




Volume VIII

Pre Building Condition Survey Report

Name and Address of Structure :	Badi Chopar to Ramp Area (Down Line)
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Name of the Project	Contract JMRC-UG1B “Design and Construction of Tunnel between Chandpole and Badi Chouper and reverse line by Shield TBM, Underground Metro Stations at Choti Chouper and Badi Chouper by Cut and Cover Methods on East West Corridor of Jaipur Metro Rail Corporation Limited .”	
Owner :	 JAIPUR METRO	Jaipur Metro Rail Corporation
Contractor :		Continental Engineering Corporation
Survey Agency :	 Aimil Ltd. Instrumentation & Technologies	

Pre Building Condition Survey Report Badi Chopar to Ramp Area (Down Line)

Sl. No.	Building No.
1	BC RA DN 0001
2	BC RA DN 0002
3	BC RA DN 0003
4	BC RA DN 0004
5	BC RA DN 0005
6	BC RA DN 0007
7	BC RA DN 0008
8	BC RA DN 0009
9	BC RA DN 0010
10	BC RA DN 0011
11	BC RA DN 0012
12	BC RA DN 0013
13	BC RA DN 0014
14	BC RA DN 0015
15	BC RA DN 0016
16	BC RA DN 0017
17	BC RA DN 0018
18	BC RA DN 0019
19	BC RA DN 0020
20	BC RA DN 0021
21	BC RA DN 0022
22	BC RA DN 0023
23	BC RA DN 0024
24	BC RA DN 0025
25	BC RA DN 0026
26	BC RA DN 0027
27	BC RA DN 0030
28	BC RA DN 0031
29	BC RA DN 0032
30	BC RA DN 0033
31	BC RA DN 0034
32	BC RA DN 0035
33	BC RA DN 0036
34	BC RA DN 0037
35	BC RA DN 0039
36	BC RA DN 0040
37	BC RA DN 0041
38	BC RA DN 0042
39	BC RA DN 0043
40	BC RA DN 0044
41	BC RA DN 0045
42	BC RA DN 0046
43	BC RA DN 0047

Pre Building Condition Survey Report Badi Chopar to Ramp Area (Down Line)

44	BC RA DN 0048
45	BC RA DN 0049
46	BC RA DN 0050
47	BC RA DN 0051
48	BC RA DN 0052
49	BC RA DN 0053
50	BC RA DN 0054
51	BC RA DN 0055
52	BC RA DN 0056
53	BC RA DN 0059
54	BC RA DN 0060
55	BC RA DN 0061
56	BC RA DN 0062
57	BC RA DN 0063
58	BC RA DN 0064
59	BC RA DN 0065
60	BC RA DN 0066
61	BC RA DN 0067
62	BC RA DN 0068
63	BC RA DN 0070
64	BC RA DN 0071
65	BC RA DN 0072
66	BC RA DN 0073
67	BC RA DN 0074
68	BC RA DN 0075

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shops
Sarafa Bazar, Badi Chopad
Jaipur
Unique ID: BC RA DN 0001

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0001/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	24/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Single Story Load Bearing Structure having 1 floors. The structure was constructed in year 1813 and is 200 years old.

There are 48 defects in the structure out of which 4 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	3	75%
Slight (1 to 5mm)	1	25%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.8mm and average length of cracks is 0.98m. The maximum crack width is 1.5mm and minimum width is 0.5mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0001-SHOP	Parampara Jewelers		
BC-RA/DL/0001-A8	Foolchand Sarraf		
BC-RA/DL/0001-B8	Ramgopal Sarraf Fagiwala		
BC-RA/DL/0001-A9	Narayandas Jaggilal Saraf		
BC-RA/DL/0001-B9	Nanulal Raj Kumar Jain Sarraf		
BC-RA/DL/0001-A10	Ramsharan Sarraf		
BC-RA/DL/0001-B10	Bachulal Sarraf		
BC-RA/DL/0001-A11	Kishnlal Gyrasilal Sarraf		
BC-RA/DL/0001-B11	Chuttanlal Anil Kumar Modi Sarraf		
BC-RA/DL/0001-12	Nangram Bhagwatilal Sarraf		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shops
2	Building Address	Shop, Sarrafa Bazar, Badi Chopad Jaipur
3	Year of Construction	1813
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12
8	Approximate Area	Not Known
9	Age of Building	200 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 & Roof Part C Ground Floor	Inclined	1.5	1	Slight	24
2	Roof Shop No. 8, Part D Ground Floor	Inclined	0.6	1	Very Slight	25, 25A
3	Varandah Col Shop No. 12, Ground Floor	Inclined	0.5	1.5	Very Slight	26
4	Varandah Col Shop No. 12, Ground Floor	Inclined	0.6	0.4	Very Slight	27

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
5	Roof Shop No. 11B Ground Floor	Peeling of Plaster	28
6	Wall No. 4 & Roof Part C Ground Floor	Peeling of Plaster	29
7	Wall No. 3 Part C Ground Floor	Peeling of Plaster	30
8	Roof Varanda of Shop No. 15A Ground Floor	Peeling of Plaster	31
9	Wall No. 4 & Roof Shop No. 5, Part C Ground Floor	Peeling of Plaster	32
10	Wall No. 2 Shop No. 5, Part C Ground Floor	Peeling of Plaster	33
11	Wall No. 3 Shop No. 5, Part C Ground Floor	Peeling of Plaster	34
12	Wall No. 1 Shop No. 5, Part C Ground Floor	Peeling of Plaster	35
13	Roof Shop No. 5, Part B Ground Floor	Peeling of Plaster	36
14	Wall No. 2 & Roof Shop No. 5, Part A Ground Floor	Peeling of Plaster	37
15	Wall No. 3 Shop No. 5, Part A Ground Floor	Peeling of Plaster	38
16	Wall No. 3 Shop No. 5, Part A Ground Floor	Peeling of Plaster	39
17	Wall No. 1 & 3 Shop No. 6 Ground Floor	Peeling of Plaster	40
18	Wall No. 2 & 3 Shop No. 7 Ground Floor	Dampness/Seepage	41
19	Wall No. 4 Varanda Ground Floor	Dampness/Seepage	42
20	Roof Shop No. 8 Ground Floor	Peeling of Plaster	43
21	Wall No. 4 Shop No. 8, Part B Ground Floor	Peeling of Plaster	44
22	Roof Shop No. 8, Part B Ground Floor	Dampness/Seepage	45
23	Wall No. 2 Shop No. 8, Part A Ground Floor	Peeling of Plaster	46
24	Roof Shop No. 8, Part A Ground Floor	Dampness/Seepage	47
25	Wall No. 3 Shop No. 8, Part A Ground Floor	Peeling of Plaster	48
26	Roof Shop No. 8, Part D Ground Floor	Dampness/Seepage	49
27	Wall No. 3 Shop No. 8, Part D Ground Floor	Peeling of Plaster	50
28	Wall No. 1 Shop No. 8, Part A Ground Floor	Peeling of Plaster	51
29	Wall No. 4 Piyau, Part B Ground Floor	Peeling of Plaster	52
30	Wall No. 2 Piyau, Part B Ground Floor	Peeling of Plaster	53
31	Wall No. 1 Piyau, Part B Ground Floor	Peeling of Plaster	54
32	Roof Piyau, Part B Ground Floor	Peeling of Plaster	55
33	Wall No. 4 Piyau, Part A Ground Floor	Peeling of Plaster	56
34	Wall No. 1 Piyau, Part A Ground Floor	Peeling of Plaster	57
35	Wall No. 2 Piyau, Part A Ground Floor	Peeling of Plaster	58
36	Roof Piyau, Part A Ground Floor	Peeling of Plaster	59
37	Wall No. Front Wall Piyau, Part A Ground Floor	Peeling of Plaster	60
38	Varandah Beam Shop No. A10, Ground Floor	Peeling of Plaster	61
39	Varandah Roof Shop No. A11, Ground Floor	Peeling of Plaster	62

40	Room No. 1 Ground Floor	Peeling of Plaster	63
41	Room No. 2 Ground Floor	Peeling of Plaster	64
42	Wall No. 1 & 3 Room No. 1 Ground Floor	Peeling of Plaster	65
43	Right External Col Shop No. 12, Ground Floor	Peeling of Plaster	66
44	Varandah Roof Shop No. 12, Ground Floor	Peeling of Plaster	67
45	Varandah Roof Shop No. 12, Ground Floor	Peeling of Plaster	68
46	Varandah Beam Shop No. 12, Ground Floor	Exposed Reinforcement	69
47	Varandah Floor Shop No. 12, Ground Floor	Peeling of Plaster	70
48	Roof Varanda Shop No. B10, Ground Floor	Peeling of Plaster	71

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2 Shop No. 11B Ground Floor	Covered with Material	72
2	Wall No. 4 Shop No. 11B Ground Floor		73
3	All Walls Kitchen of Shop No. 13A & 13B Gr.Floor	Covered with Tiles	74
4	All Walls Shop No. 18B Ground Floor		75
5	Wall No. 1 & 4 Shop No. A7 Ground Floor	Covered With Materials	76
6	Roof Shop No. A7 Ground Floor	Covered With Falsce Ciling	77
7	Shop No. A8 Ground Floor	Locked	78
8	Wall No. 1, 2 & 4 Part D Shop No. 12, Ground Floor	Covered With Materials	79
9	Wall No. 1 Part B & C Shop No. 12, Ground Floor	Covered With Materials	80
10	All Walls Shop No. B18 Ground Floor	Covered with Wood	81



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2
Shop No. 9A, Ground Floor



Photo 3
Shop No. 9B, Ground Floor



Photo 4
Shop No. 13B & 13A, Ground Floor



Photo 5
Shop No. 13B & 13B, Ground Floor



Photo 6
Shop No. 14B, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Shop No. 15A, Lower Ground Floor



Photo 8
Shop No. 15A, Upper Ground Floor



Photo 9
Shop No. 15A, Ground Floor

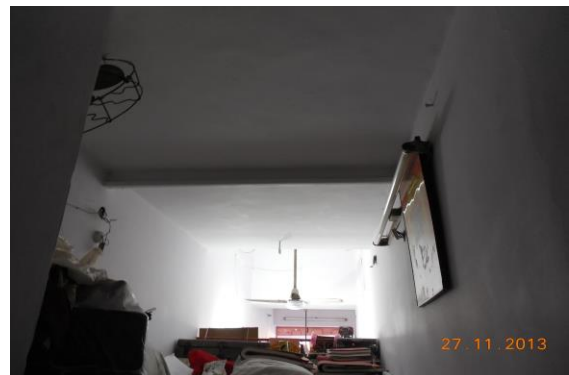


Photo 10
Shop No. 16A, Ground Floor



Photo 11
Shop No. 16B, Ground Floor



Photo 12
Shop No. 16B, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Shop No. 17B, Ground Floor



Photo 14
Shop No. A7, Ground Floor



Photo 15
Shop No. A10, Ground Floor



Photo 16
Shop No. A10, Ground Floor



Photo 17
Shop No. A11, Ground Floor



Photo 18
Shop No. A11, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19
Shop No. 12, Shop No. B18, Ground Floor



Photo 20
, Ground Floor



Photo 21
Shop No. B10, Ground Floor



Photo 22
Shop No. B10, Ground Floor



Photo 23
Shop No. A17,



Photo 24
Inclined Crack on Wall No. 1 & Roof of Part C, Ground Floor
Approx. Width = 1.5mm, Approx. Length = 1m.
Distance from Wall No. 3 = 0.6m, Height from Floor = 1.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Inclined Crack on Roof of Shop No. 8, Part D, Ground Floor
Approx. Width = 0.6mm, Approx. Length = 1m.
Distance from Wall No. 4 = 0.1m, Height from Floor = 1.5m.

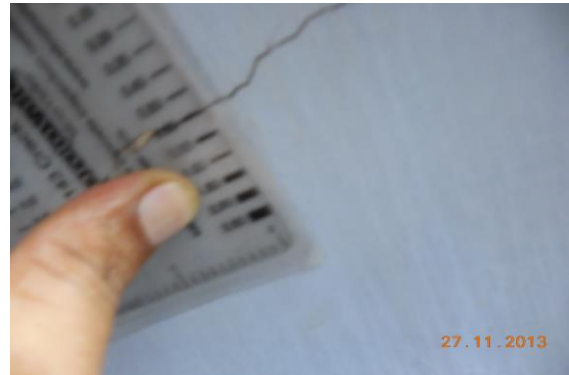


Photo 25A

Inclined Crack on Roof of Shop No. 8, Part D, Ground Floor
Approx. Width = 0.6mm, Approx. Length = 1m.
Distance from Wall No. 4 = 0.1m, Height from Floor = 1.5m.



Photo 26

Inclined Crack on of Varandah Col, Shop No. 12, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 1.5m.
Distance from Left External Col = 0m, Height from Floor = 2m.



Photo 27

Inclined Crack on of Varandah Col, Shop No. 12, Ground Floor
Approx. Width = 0.6mm, Approx. Length = 0.4m.
Distance from Right External Col = 0m, Height from Floor = 3m.



Photo 28

Peeling of Plaster on Roof of Shop No. 11B of Ground Floor

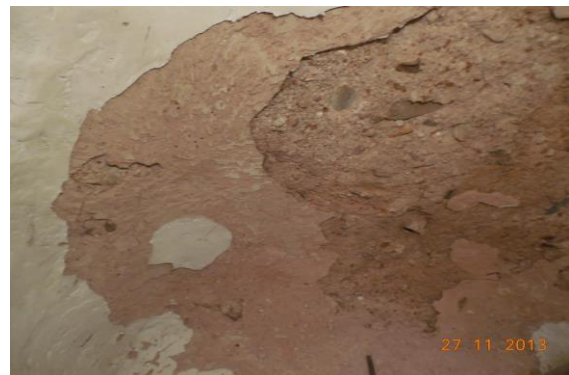


Photo 29

Peeling of Plaster on Wall No. 4 & Roof of Part C of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 30

Peeling of Plaster on Wall No. 3 of Part C of Ground Floor



Photo 31

Peeling of Plaster on Roof of Varanda of Shop No. 15A of Ground Floor



Photo 32

Peeling of Plaster on Wall No. 4 & Roof of Shop No. 5, Part C of Ground Floor



Photo 33

Peeling of Plaster on Wall No. 2 of Shop No. 5, Part C of Ground Floor



Photo 34

Peeling of Plaster on Wall No. 3 of Shop No. 5, Part C of Ground Floor



Photo 35

Peeling of Plaster on Wall No. 1 of Shop No. 5, Part C of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 36

Peeling of Plaster on Roof of Shop No. 5, Part B of Ground Floor



Photo 37

Peeling of Plaster on Wall No. 2 & Roof of Shop No. 5, Part A of Ground Floor



Photo 38

Peeling of Plaster on Wall No. 3 of Shop No. 5, Part A of Ground Floor

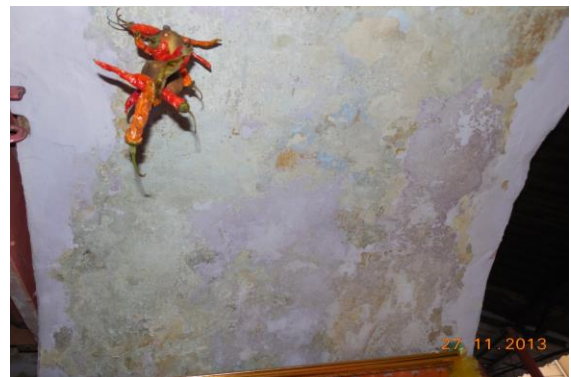


Photo 39

Peeling of Plaster on Wall No. 3 of Shop No. 5, Part A of Ground Floor



Photo 40

Peeling of Plaster on Wall No. 1 & 3 of Shop No. 6 of Ground Floor



Photo 41

Dampness/Seepage on Wall No. 2 & 3 of Shop No. 7 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 42

Dampness/Seepage on Wall No. 4 of Varanda of Ground Floor



Photo 43

Peeling of Plaster on Roof of Shop No. 8 of Ground Floor



Photo 44

Peeling of Plaster on Wall No. 4 of Shop No. 8, Part B of Ground Floor



Photo 45

Dampness/Seepage on Roof of Shop No. 8, Part B of Ground Floor



Photo 46

Peeling of Plaster on Wall No. 2 of Shop No. 8, Part A of Ground Floor



Photo 47

Dampness/Seepage on Roof of Shop No. 8, Part A of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 48

Peeling of Plaster on Wall No. 3 of Shop No. 8, Part A of Ground Floor



Photo 49

Dampness/Seepage on Roof of Shop No. 8, Part D of Ground Floor



Photo 50

Peeling of Plaster on Wall No. 3 of Shop No. 8, Part D of Ground Floor



Photo 51

Peeling of Plaster on Wall No. 1 of Shop No. 8, Part A of Ground Floor



Photo 52

Peeling of Plaster on Wall No. 4 of Piyau, Part B of Ground Floor



Photo 53

Peeling of Plaster on Wall No. 2 of Piyau, Part B of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 54

Peeling of Plaster on Wall No. 1 of Piyau, Part B of Ground Floor



Photo 55

Peeling of Plaster on Roof of Piyau, Part B of Ground Floor



Photo 56

Peeling of Plaster on Wall No. 4 of Piyau, Part A of Ground Floor



Photo 57

Peeling of Plaster on Wall No. 1 of Piyau, Part A of Ground Floor



Photo 58

Peeling of Plaster on Wall No. 2 of Piyau, Part A of Ground Floor



Photo 59

Peeling of Plaster on Roof of Piyau, Part A of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 60

Peeling of Plaster on Front Wall of Piyau, Part A of Ground Floor

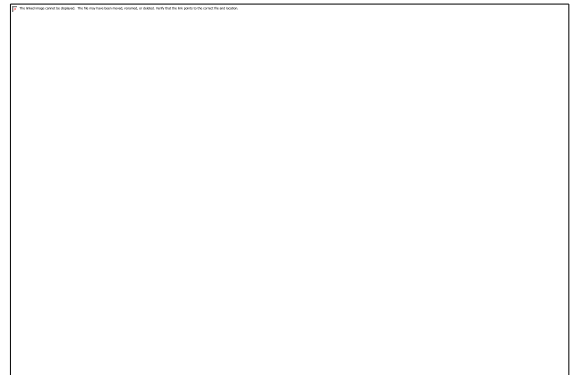


Photo 61

Peeling of Plaster on Varandah Beam of Shop No. A10, Ground Floor



Photo 62

Peeling of Plaster on Varandah Roof of Shop No. A11, Ground Floor



Photo 63

Peeling of Plaster on Room No. 1 of Ground Floor



Photo 64

Peeling of Plaster on Room No. 2 of Ground Floor



Photo 65

Peeling of Plaster on Wall No. 1 & 3 of Room No. 1 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 66

Peeling of Plaster on Right External Col of Shop No. 12, Ground Floor



Photo 67

Peeling of Plaster on Varandah Roof of Shop No. 12, Ground Floor



Photo 68

Peeling of Plaster on Varandah Roof of Shop No. 12, Ground Floor



Photo 69

Exposed Reinforcement on Varandah Beam of Shop No. 12, Ground Floor



Photo 70

Peeling of Plaster on Varandah Floor of Shop No. 12, Ground Floor



Photo 71

Peeling of Plaster on Roof of Varanda of Shop No. B10, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 72

Wall No. 2 of Shop No. 11B of Ground Floor Covered with Material



Photo 73

Wall No. 4 of Shop No. 11B of Ground Floor



Photo 74

All Walls of Kitchen of Shop No. 13A & 13B of Ground Floor Covered with Tiles

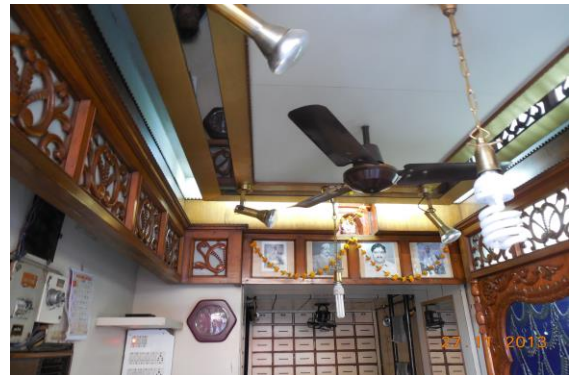


Photo 75

All Walls of Shop No. 18B of Ground Floor



Photo 76

Wall No. 1 & 4 of Shop No. A7 of Ground Floor Covered With Materials



Photo 77

Roof of Shop No. A7 of Ground Floor Covered With False Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 78
Shop No. A8 of Ground Floor Locked



Photo 79
Wall No. 1, 2 & 4 of Part D of Shop No. 12, Ground Floor Covered With Materials



Photo 80
Wall No. 1 of Part B & C of Shop No. 12, Ground Floor Covered With Materials

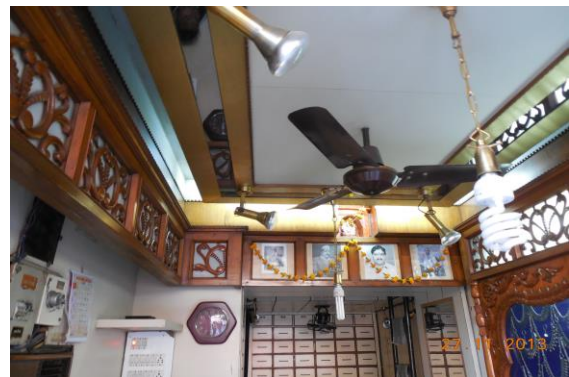


Photo 81
All Walls of Shop No. B18 of Ground Floor Covered with Wood

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 334, Shop No. 19 & 20
Ramganj Market
Jaipur
Unique ID: BC RA DN 0002

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0002/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

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Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	24/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1713 and is 300 years old.

There are 25 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0002-019	Omprakash Ramavtar		
BC-RA/DL/0002-020	Premchand Jain Sarraf		
BC-RA/DL/0002-FF-SF	H. No. 344, Above Shop No. 20		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 334, Shop No. 19 & 20
2	Building Address	House No. 334, Shop No. 19 & 20 Ramganj Market Jaipur
3	Year of Construction	1713
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12
8	Approximate Area	Not Known
9	Age of Building	300 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Part B of Shop No.20 Ground Floor	Peeling of Plaster	6
2	Wall No. 1 & 3 Part B of Shop No.20 Ground Floor	Peeling of Plaster	7
3	Wall No. 4 Part B of Shop No.20 Ground Floor	Peeling of Plaster	8
4	Wall No. 4 Part B of Shop No.20 Ground Floor	Peeling of Plaster	9
5	Wall No. 2 Part B of Shop No.20 Ground Floor	Peeling of Plaster	10
6	Roof Part C of Shop No.20 Ground Floor	Peeling of Plaster	11
7	Wall No. 3 Part C of Shop No.20 Ground Floor	Peeling of Plaster	12
8	Wall No. 3 Part C of Shop No.20 Ground Floor	Peeling of Plaster	13
9	Wall No. 1 & Roof House Above Shop No.20 First Floor	Dampness/Seepage	14
10	Roof Room No. 1 House Above Shop No.20, First Floor	Peeling of Plaster	15
11	Wall No.2 & Roof Room No. 2 House Above Shop No.20, First Floor	Peeling of Plaster	16
12	Roof Room No. 3 House Above Shop No.20, First Floor	Peeling of Plaster	17
13	Roof Balcony First Floor	Peeling of Plaster	18
14	Sun Shade & FrontSide House Above Shop No.20 First Floor	Damaged Portion	19
15	Sun Shade & FrontSide House Above Shop No.20 First Floor	Damaged Portion	20
16	Sun Shade & Rightside House Above Shop No.20 First Floor	Damaged Portion	21
17	Rightside Wall House Above Shop No.20 First Floor	Peeling of Plaster	22
18	Wall No. 3 Staircase First Floor to Second Floor	Peeling of Plaster	23
19	Wall No. 1 First Floor to Second Floor Staircase	Peeling of Plaster	24
20	Wall No. 4 Room No. 1 House Above Shop No.20, First Floor	Peeling of Plaster	25
21	Wall No. 3, Roof of Room No. 1 House Above Shop No.20, First Floor	Dampness/Seepage	26
22	Wall No. 4 House Above Shop No.20 Terrace	Peeling of Plaster	27
23	Wall No. 4 House Above Shop No.20 Terrace	Peeling of Plaster	28
24	Wall No. 3 House Above Shop No.20 Terrace	Peeling of Plaster	29
25	Wall No. 1 Staircase SF to Terrace	Peeling of Plaster	30

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2 & 4 Part A of Shop No.20 Ground Floor	Covered With Wooden Work	31
2	Wall No. 2 Room No. 2 House Above Shop No.20, First Floor	Covered With Tiles	32

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Shop Om Parkash Ram Avtaar



Photo 2
View of Shop, Ground Floor



Photo 3
View of Shop, Ground Floor



Photo 4
View of Shop No.20, Ground Floor



Photo 5
View of House Above Shop No.20, First Floor



Photo 6
Peeling of Plaster on Roof of Part B of Shop No.20 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Peeling of Plaster on Wall No. 1 & 3 of Part B of Shop No.20 of Ground Floor



Photo 8

Peeling of Plaster on Wall No. 4 of Part B of Shop No.20 of Ground Floor



Photo 9

Peeling of Plaster on Wall No. 4 of Part B of Shop No.20 of Ground Floor



Photo 10

Peeling of Plaster on Wall No. 2 of Part B of Shop No.20 of Ground Floor



Photo 11

Peeling of Plaster on Roof of Part C of Shop No.20 of Ground Floor



Photo 12

Peeling of Plaster on Wall No. 3 of Part C of Shop No.20 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Peeling of Plaster on Wall No. 3 of Part C of Shop No.20 of Ground Floor



Photo 14

Dampness/Seepage on Wall No. 1 & Roof of House Above Shop No.20 of First Floor



Photo 15

Peeling of Plaster on Roof of Room No. 1 of House Above Shop No.20, First Floor



Photo 16

Peeling of Plaster on Wall No. 2 & Roof of Room No. 2 of House Above Shop No.20, First Floor



Photo 17

Peeling of Plaster on Roof of Room No. 3 of House Above Shop No.20, First Floor



Photo 18

Peeling of Plaster on Roof of Balcony of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Damaged Portion on Sun Shade & FrontSide of House Above Shop No.20 of First Floor



Photo 20

Damaged Portion on Sun Shade & FrontSide of House Above Shop No.20 of First Floor

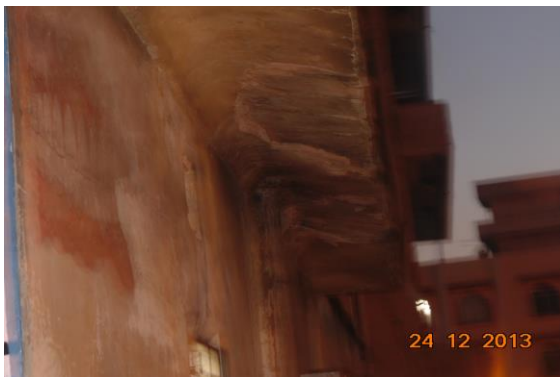


Photo 21

Damaged Portion on Sun Shade & Rightside of House Above Shop No.20 of First Floor



Photo 22

Peeling of Plaster on Rightside Wall of House Above Shop No.20 of First Floor



Photo 23

Peeling of Plaster on Wall No. 3 of First Floor to Second Floor Staircase



Photo 24

Peeling of Plaster on Wall No. 1 of First Floor to Second Floor Staircase

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Peeling of Plaster on Wall No. 4 of Room No. 1 of House Above Shop No.20, First Floor



Photo 26

Dampness/Seepage on Wall No. 3, Roof of Room No. 1 of House Above Shop No.20, First Floor



Photo 27

Peeling of Plaster on Wall No. 4 of House Above Shop No.20 of Terrace



Photo 28

Peeling of Plaster on Wall No. 4 of House Above Shop No.20 of Terrace



Photo 29

Peeling of Plaster on Wall No. 3 of House Above Shop No.20 of Terrace

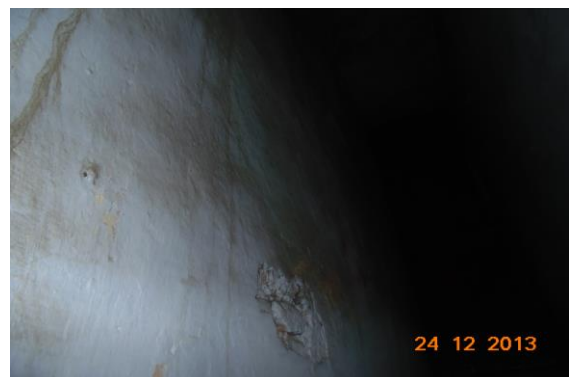


Photo 30

Peeling of Plaster on Wall No. 1 of Staircase SF to Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31

Wall No. 2 & 4 of Part A of Shop No.20 of Ground Floor Covered With Wooden Work



Photo 32

Wall No. 2 of Room No. 2 of House Above Shop No.20, First Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 343, Shop No. 21
Ramganj Market
Jaipur
Unique ID: BC RA DN 0003

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0003/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	24/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1918 and is 95 years old.

There are 4 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0003-021	Gulabchand Virendra Kumar Patni		
BC-RA/DL/0003-FF-SF	H. No. 343, Above Shop No. 21		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 343, Shop No. 21
2	Building Address	House No. 343, Shop No. 21 Ramganj Market Jaipur
3	Year of Construction	1918
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12
8	Approximate Area	Not Known
9	Age of Building	95 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Varanda of Shop No.21 Ground Floor	Dampness/Seepage	5
2	Wall No. 3 Room No. 1 Second Floor	Dampness/Seepage	6
3	Wall No. 1 Staircase Ground Floor to First Floor	Damaged Portion	7
4	Steps Staircase Ground Floor to First Floor	Damaged Portion	8

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 & 4 Part A of Shop No.21 Ground Floor	Covered With Wooden Work	9
2	Wall No. 2 & 4 Part A of Shop No.21 Ground Floor	Covered With Wooden Work	10
3	Roof Part A of Shop No.21 Ground Floor	Covered With Falls Ceiling	11
4	Wall No. 4 Part A of Shop No.21 Ground Floor	Covered With Wooden Work	12
5	Wall No. 1 & 2 Staircase First Floor to Second Floor	Covered With Material	13
6	Bathroom Second Floor	Covered With Tiles	14
7	Roof Staircase First Floor to Second Floor	Covered With Marble	15

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House Above Shop No.21



Photo 2
View of Shop No.21, Ground Floor



Photo 3
View of Room No.1, First Floor



Photo 4
View of Room No.2, First Floor



Photo 5
Dampness/Seepage on Roof of Varanda of Shop No.21 of Ground Floor



Photo 6
Dampness/Seepage on Wall No. 3 of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Damaged Portion on Wall No. 1 of Staircase Ground Floor to First Floor



Photo 8

Damaged Portion on Steps of Staircase Ground Floor to First Floor

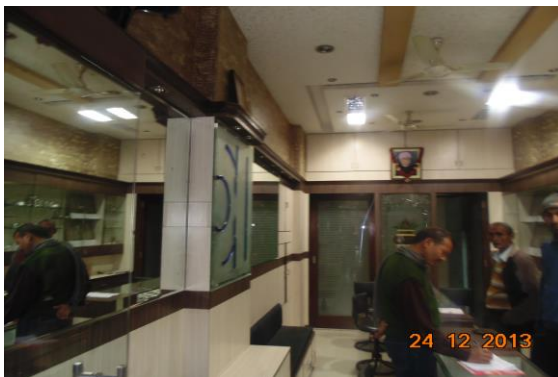


Photo 9

Wall No. 1 & 4 of Part A of Shop No.21 of Ground Floor Covered With Wooden Work



Photo 10

Wall No. 2 & 4 of Part A of Shop No.21 of Ground Floor Covered With Wooden Work



Photo 11

Roof of Part A of Shop No.21 of Ground Floor Covered With Falls Ceiling



Photo 12

Wall No. 4 of Part A of Shop No.21 of Ground Floor Covered With Wooden Work

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Wall No. 1 & 2 of Staircase First Floor to Second Floor Covered With Material



Photo 14

Bathroom of Second Floor Covered With Tiles



Photo 15

Roof of Staircase First Floor to Second Floor Covered With Marble

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Borewell in front of Shop No. 22
Ramganj Market
Jaipur
Unique ID: BC RA DN 0004

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0004/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Government
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	24/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Borewell was constructed in year 1918 and is 95 years old.

There are 0 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0004-BOREWEL	In front of Shop No. 22		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Borewell in front of Shop No. 22
2	Building Address	Borewell in front of Shop No. 22 Ramganj Market Jaipur
3	Year of Construction	1918
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	N.A.
7	Approximate Height	N.A.
8	Approximate Area	Not Known
9	Age of Building	95 years
10	Type of Structure	N.A.
11	Type of Foundation	N.A.
12	Number of Bore Wells	One
13	Depth and Diameter of Bore	150 fit 4" Dia
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Shop No. 22 Ground Floor	Locked	4
2	Shop No. 22 Ground Floor	Locked	5

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Borewell, Ground Floor



Photo 3
View of Borewell, Ground Floor



Photo 4
Shop No. 22 of Ground Floor Locked



Photo 5
Shop No. 22 of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



H. No. 339 & Shop No. 23
Ramganj Market
Jaipur
Unique ID: BC RA DN 0005

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0005/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	29/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1940 and is 73 years old.

There are 20 defects in the structure out of which 1 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.5mm and average length of cracks is 2m. The maximum crack width is 0.5mm and minimum width is 0.5mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0005-023	Jewellery House Sarraf		
BC-RA/DL/0005-FF-SF	H. No. 339, Above Shop No. 23		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	H. No. 339 & Shop No. 23
2	Building Address	H. No. 339 & Shop No. 23 Ramganj Market Jaipur
3	Year of Construction	1940
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	73 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2 Stairecase Ground Floor to First Floor of House No.339 Ground Floor	Inclined	0.5	2	Very Slight	4, 4A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
2	Roof Varanda of Shop No.23 Ground Floor	Dampness/Seepage	5
3	Roof Shop No.23 Ground Floor	Dampness/Seepage	6
4	Roof Varanda of House No. 339 First Floor	Dampness/Seepage	7
5	Wall No. 2 Varanda of House No. 339 First Floor	Peeling of Plaster	8
6	Wall No. Floor Room No. 1 House No. 339,First Floor	Damaged Portion	9
7	Roof Room No. 1 House No. 339,First Floor	Dampness/Seepage	10
8	Wall No. 2 Passage 2 of House No.339 Second Floor	Peeling of Plaster	11
9	Roof Passage 2 of House No.339 Second Floor	Peeling of Plaster	12
10	Wall No. 3 & 4 Kitchen of House No.339 Second Floor	Peeling of Plaster	13
11	Roof & Wall No. 2 & 4 of Room No. 1 House No. 339,Second Floor	Dampness/Seepage	14
12	Wall No. 4 Room No. 2 House No. 339,Second Floor	Peeling of Plaster	15
13	Roof & Wall No. 1 of Room No. 1 House No. 339,Third Floor	Dampness/Seepage	16
14	Wall No. 2 & 3 House No. 339 Third Floor	Dampness/Seepage	17
15	Wall No. 2 & 4 Third Floor	Dampness/Seepage	18
16	Roof Toilet No. 1 House No. 339,Third Floor	Dampness/Seepage	19
17	Wall No. 1 Toilet No. 1 House No. 339,Third Floor	Dampness/Seepage	20
18	Roof & Wall No. 1 Bathroom House No. 339,Third Floor	Dampness/Seepage	21
19	Wall No. 1, 2 & 4 Bathroom House No. 339,Third Floor	Peeling of Plaster	22
20	Wall No. 3 & Sunshade Toilet No. 1 House No. 339,Third Floor	Damaged Portion	23

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of House No.339



Photo 2
View of Shop no.23, Ground Floor



Photo 3
View of Shop, Ground Floor



Photo 4
Inclined Crack on Wall No. 2 of Staircase Ground Floor to First Floor of House No.339, Ground Floor Approx. Width = 0.5mm, Approx. Length = 2m. Distance from = m, Height from Floor = m.



Photo 4A
Inclined Crack on Wall No. 2 of Staircase Ground Floor to First Floor of House No.339, Ground Floor Approx. Width = 0.5mm, Approx. Length = 2m. Distance from = m, Height from Floor = m.



Photo 5
Dampness/Seepage on Roof of Varanda of Shop No.23 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6
Dampness/Seepage on Roof of Shop No.23 of Ground Floor



Photo 7
Dampness/Seepage on Roof of Varanda of House No. 339 of First Floor



Photo 8
Peeling of Plaster on Wall No. 2 of Varanda of House No. 339 of First Floor



Photo 9
Damaged Portion on Wall No. Floor of Room No. 1 of House No. 339, First Floor



Photo 10
Dampness/Seepage on Roof of Room No. 1 of House No. 339, First Floor



Photo 11
Peeling of Plaster on Wall No. 2 of Passage 2 of House No.339 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12

Peeling of Plaster on Roof of Passage 2 of House No.339 of Second Floor



Photo 13

Peeling of Plaster on Wall No. 3 & 4 of Kitchen of House No.339 of Second Floor



Photo 14

Dampness/Seepage on Roof & Wall No. 2 & 4 of Room No. 1 of House No. 339, Second Floor



Photo 15

Peeling of Plaster on Wall No. 4 of Room No. 2 of House No. 339, Second Floor



Photo 16

Dampness/Seepage on Wall No. 1 & Roof of Room No. 1 of House No. 339, Third Floor



Photo 17

Dampness/Seepage on Wall No. 2 & 3 of House No. 339 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 18
Dampness/Seepage on Wall No. 2 & 4 of Third Floor



Photo 19
Dampness/Seepage on Roof of Toilet No. 1 of House No. 339, Third Floor



Photo 20
Dampness/Seepage on Wall No. 1 of Toilet No. 1 of House No. 339, Third Floor



Photo 21
Dampness/Seepage on Wall No. 1 & Roof of Bathroom of House No. 339, Third Floor



Photo 22
Peeling of Plaster on Wall No. 1, 2 & 4 of Bathroom of House No. 339, Third Floor



Photo 23
Damaged Portion on Wall No. 3 & Sunshade of Toilet No. 1 of House No. 339, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 25 & House above
Ramganj Market
Jaipur
Unique ID: BC RA DN 0007

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0007/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mrs. Sarita Agarwal
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
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11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	24/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1813 and is 200 years old.

There are 2 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0007-25	Mohanlal Kedarmal Sarraf		
BC-RA/DL/0007-FF-SF-TF	Above Shop No. 25		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 25 & House above
2	Building Address	Shop No. 25 & House above Ramganj Market Jaipur
3	Year of Construction	1813
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	200 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Varanda of Shop No.25 Ground Floor	Dampness/Seepage	6
2	Roof Varanda of Shop No.25A Ground Floor	Dampness/Seepage	7

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	House Above	Closed	8

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Shop No.25, Ground Floor



Photo 3
View of Shop , Ground Floor



Photo 4
View of Shop No.25A, Ground Floor



Photo 5
View of Shop , Ground Floor



Photo 6
Dampness/Seepage on Roof of Varanda of Shop No.25 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Dampness/Seepage on Roof of Varanda of Shop No.25A of Ground Floor



Photo 8

House Above of Closed

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 333, Shop No. 26, 26B
Ramganj Market
Jaipur
Unique ID: BC RA DN 0008

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0008/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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3	About the Structure	3
4	Building Ownership Details	3
5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	30/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 6 floors. The structure was constructed in year 1860 and is 153 years old.

There are 27 defects in the structure out of which 1 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	1	100%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 5mm and average length of cracks is 2m. The maximum crack width is 5mm and minimum width is 5mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0008-026	Lashkari Jewellers		
BC-RA/DL/0008-FF-SF-TF	House No. 333		
BC-RA/DL/0008-026B	Shop No. 26B		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 333, Shop No. 26, 26B
2	Building Address	House No. 333, Shop No. 26, 26B Ramganj Market Jaipur
3	Year of Construction	1860
4	Number of Floors	G+5
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	18m
8	Approximate Area	Not Known
9	Age of Building	153 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2 Stair GF to FF House No. 333 Fifth Floor	Inclined	5	2	Moderate	7, 7A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
2	Varandah Open House No. 333 First Floor	Damaged Portion	8
3	Front Side Wall Varandah House No. 333 First Floor	Peeling of Plaster	9
4	Front Side Wall Varandah Shed House No. 333 First Floor	Peeling of Plaster	10
5	Front Side Wall Varandah Shed House No. 333 First Floor	Peeling of Plaster	11
6	Wall No. 7 Passage House No. 333 First Floor	Damaged Portion	12
7	Stair Steps FF to SF House No. 333	Damaged Portion	13
8	Wall No. 1 & Roof Store House No. 333 Second Floor	Peeling of Plaster	14
9	Stair Steps SF to TF House No. 333	Damaged Portion	15
10	Wall No. 4 Stair SF to TF House No. 333	Peeling of Plaster	16
11	Stair Steps SF to TF House No. 333	Damaged Portion	17
12	Wall No. 1 Hall No. 1 House No. 333 Third Floor	Dampness/Seepage	18
13	Wall No. 1 Stair House No. 333 Third Floor	Peeling of Plaster	19
14	Stair TF to 4Th Floor House No. 333	Peeling of Plaster	20
15	Wall No. 2 Kitchen House No. 333 Fourth Floor	Dampness/Seepage	21
16	Wall No. 2 Kitchen House No. 333 Fourth Floor	Dampness/Seepage	22
17	Wall No. 1, 4 & Roof Kitchen House No. 333 Fourth Floor	Dampness/Seepage	23
18	Balcony Shed House No. 333 Fourth Floor	Dampness/Seepage	24
19	Balcony Floor House No. 333 Fourth Floor	Peeling of Plaster	25
20	Roof Passage House No. 333 Fifth Floor	Dampness/Seepage	26
21	Wall No. 2 Stair GF to FF House No. 333 Fifth Floor	Peeling of Plaster	27
22	Wall No. 3 Passage House No. 333 Fifth Floor	Peeling of Plaster	28
23	Wall No. 2 Stairs GF to FF House No. 333 Fifth Floor	Peeling of Plaster	29
24	Roof Varanda of Shop No.26 Ground Floor	Dampness/Seepage	30
25	Beam Varanda of Shop No.26 Ground Floor	Dampness/Seepage	31
26	Roof Varanda of Shop No.26B Ground Floor	Dampness/Seepage	32
27	Roof Varanda of Shop No.26B Ground Floor	Peeling of Plaster	33

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls & Roof Hall No. 1 House No. 333 First Floor		34
2	All Walls Toilet No. 1 House No. 333 First Floor	Covered With Wood	35
3	Floor Hall No. 1 House No. 333 Second Floor	Covered With Wood	36
4	Floor Office House No. 333 Second Floor	Covered With Wood	37
5	Wall No. 4 Store House No. 333 Second Floor	Covered With Matrials	38
6	Roof Hall No. 1 House No. 333 Third Floor	Covered With Wood	39
7	Wall No. 2 Hall No. 1 House No. 333 Third Floor	Covered With Wood	40

8	Wall No. 4 Hall No. 1 House No. 333 Third Floor	Covered With Wood	41
9	All Part Of Floor House No. 333 Third Floor	Covered With Wood	42
10	Between Hall & Passage House No. 333 Third Floor	Covered With Wood	43
11	Wall No. 4 Store House No. 333 Fourth Floor	Covered With Matrials	44
12	Wall No. 2 Kitchen House No. 333 Fourth Floor	Covered With Tiles	45
13	All Walls Toilet No. 1 House No. 333 Fifth Floor	Covered With Tiles	46
14	All Walls Shop No.26 Ground Floor	Covered With Wooden Work	47
15	Roof Shop No.26 Ground Floor	Covered With Falls Ceiling	48
16	Wall No. 1 Shop No.26B Ground Floor	Covered With Wooden Work	49
17	Wall No. 2 Shop No.26B Ground Floor	Covered With Glass Work	50
18	Roof Shop No.26B Ground Floor	Covered With Falls Ceiling	51
19	Wall No. 4 Shop No.26B Ground Floor	Covered With Stairs Step	52



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Hall No. 1, House No. 333 Second Floor

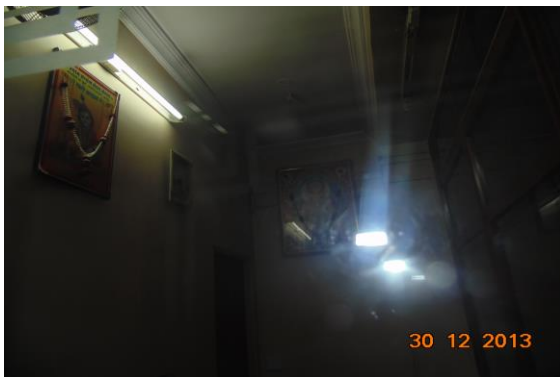


Photo 3
View of Office, House No. 333 Second Floor



Photo 4
View of Store, House No. 333 Third Floor



Photo 5
View of Shop No.26, Ground Floor



Photo 6
View of Shop No.26B, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Wall No. 2 of Stair GF to FF, House No. 333
Approx. Width = 5mm, Approx. Length = 2m.
Distance from Stair Step = 0m, Height from Floor = 0.1m.



Photo 7A

Inclined Crack on Wall No. 2 of Stair GF to FF, House No. 333
Approx. Width = 5mm, Approx. Length = 2m.
Distance from Stair Step = 0m, Height from Floor = 0.1m.



Photo 8

Damaged Portion on Varandah Open of House No. 333 First Floor



Photo 9

Peeling of Plaster on Front Side Wall of Varandah of House No. 333
First Floor



Photo 10

Peeling of Plaster on Front Side Wall of Varandah Shed of House No.
333 First Floor



Photo 11

Peeling of Plaster on Front Side Wall of Varandah Shed of House No.
333 First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12

Damaged Portion on Wall No. 7 of Passage of House No. 333 First Floor



Photo 13

Damaged Portion on Stair Steps FF to SF of House No. 333



Photo 14

Peeling of Plaster on Wall No. 1 & Roof of Store of House No. 333 Second Floor



Photo 15

Damaged Portion on Stair Steps SF to TF of House No. 333



Photo 16

Peeling of Plaster on Wall No. 4 of Stair SF to TF of House No. 333



Photo 17

Damaged Portion on Stair Steps SF to TF of House No. 333

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 18

Dampness/Seepage on Wall No. 1 of Hall No. 1 of House No. 333 Third Floor



Photo 19

Peeling of Plaster on Wall No. 1 of Stair of House No. 333 Third Floor



Photo 20

Peeling of Plaster on Wall No. 2 of Stair TF to 4Th Floor of House No. 333



Photo 21

Dampness/Seepage on Wall No. 2 of Kitchen of House No. 333 Fourth Floor



Photo 22

Dampness/Seepage on Wall No. 2 of Kitchen of House No. 333 Fourth Floor



Photo 23

Dampness/Seepage on Wall No. 1, 4 & Roof of Kitchen of House No. 333 Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 24

Dampness/Seepage on Balcony Shed of House No. 333 Fourth Floor



Photo 25

Peeling of Plaster on Balcony Floor of House No. 333 Fourth Floor



Photo 26

Dampness/Seepage on Roof of Passage of House No. 333 Fifth Floor



Photo 27

Peeling of Plaster on Wall No. 2 of Stair GF to FF of House No. 333

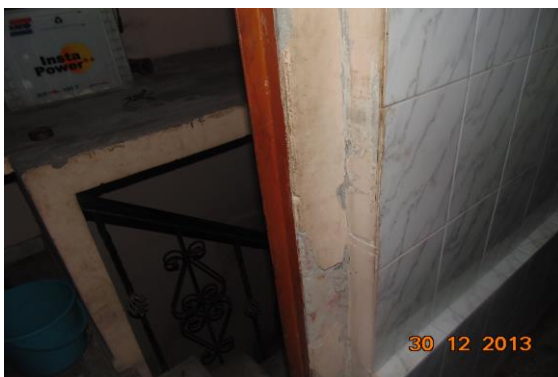


Photo 28

Peeling of Plaster on Wall No. 3 of Passage of House No. 333



Photo 29

Peeling of Plaster on Wall No. 2 of Stair GF to FF of House No. 333

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 30

Dampness/Seepage on Roof of Varanda of Shop No.26 of Ground Floor



Photo 31

Dampness/Seepage on Wall No. Beam of Varanda of Shop No.26 of Ground Floor



Photo 32

Dampness/Seepage on Roof of Varanda of Shop No.26B of Ground Floor



Photo 33

Peeling of Plaster on Roof of Varanda of Shop No.26B of Ground Floor



Photo 34

All Walls & Roof of Hall No. 1 of House No. 333 First Floor



Photo 35

All Walls of Toilet No. 1 of House No. 333 First Floor Covered With Wood

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 36

Floor of Hall No. 1 of House No. 333 Second Floor Covered With Wood



Photo 37

Floor of Office of House No. 333 Second Floor Covered With Wood



Photo 38

Wall No. 4 of Store of House No. 333 Second Floor Covered With Materials



Photo 39

Roof of Hall No. 1 of House No. 333 Third Floor Covered With Wood

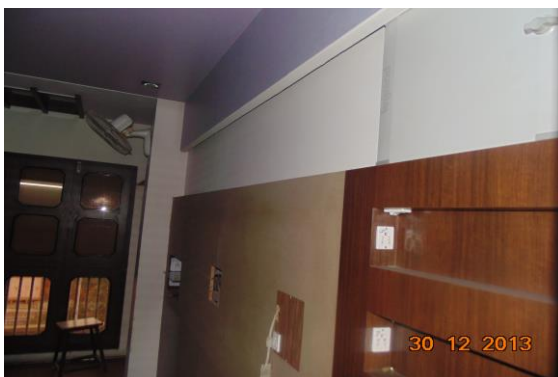


Photo 40

Wall No. 2 of Hall No. 1 of House No. 333 Third Floor Covered With Wood



Photo 41

Wall No. 4 of Hall No. 1 of House No. 333 Third Floor Covered With Wood

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 42

All Part Of Floor of House No. 333 Third Floor Covered With Wood



Photo 43

Between Hall & Passage of House No. 333 Third Floor Covered With Wood



Photo 44

Wall No. 4 of Store of House No. 333 Fourth Floor Covered With Matrials



Photo 45

Wall No. 2 of Kitchen of House No. 333 Fourth Floor Covered With Tiles

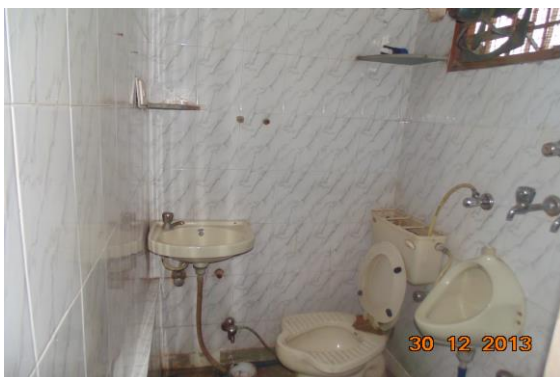


Photo 46

All Walls of Toilet No. 1 of House No. 333 Fifth Floor Covered With Tiles



Photo 47

All Walls of Shop No.26 of Ground Floor Covered With Wooden Work

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 48

Roof of Shop No.26 of Ground Floor Covered With Falls Ceiling



Photo 49

Wall No. 1 of Shop No.26B of Ground Floor Covered With Wooden Work



Photo 50

Wall No. 2 of Shop No.26B of Ground Floor Covered With Glass Work



Photo 51

Roof of Shop No.26B of Ground Floor Covered With Falls Ceiling



Photo 52

Wall No. 4 of Shop No.26B of Ground Floor Covered With Stairs Step

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 331 & Shop No. 27
Ramganj Market
Jaipur
Unique ID: BC RA DN 0009

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0009/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	31/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1860 and is 153 years old.

There are 12 defects in the structure out of which 1 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	1	100%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1mm and average length of cracks is 0.4m. The maximum crack width is 1mm and minimum width is 1mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0009-027	Sadhuram Manghanda		
BC-RA/DL/0009-FF-TF	House No. 331		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 331 & Shop No. 27
2	Building Address	House No. 331 & Shop No. 27 Ramganj Market Jaipur
3	Year of Construction	1860
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	153 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 3 Stair Terrace Floor	Inclined	1	0.4	Slight	6

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
2	Wall No. 1 Stair SF to TF	Dampness/Seepage	7
3	Hall No. 1 Third Floor	Dampness/Seepage	8
4	Wall No. 1, 3, 4 & Roof Stair TF to Fourth Floor	Dampness/Seepage	9
5	Wall No. 1 Hall No. 1 Fourth Floor	Dampness/Seepage	10
6	Wall No. 2 Hall No. 1 Fourth Floor	Peeling of Plaster	11
7	Wall No. 3 Hall No. 1 Fourth Floor	Dampness/Seepage	12
8	Wall No. 3 Hall No. 1 Fourth Floor	Dampness/Seepage	13
9	Wall No. 1 Stair Fourth Floor to Terrace	Dampness/Seepage	14
10	Wall No. 1 & 2 Stair GF to FF	Dampness/Seepage	15
11	Roof Varanda of Shop No.27 Ground Floor	Peeling of Plaster	16
12	Beam Varanda of Shop No.27 Ground Floor	Peeling of Plaster	17

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	First Floor	Locked	18
2	All Walls Shop No.27 Ground Floor	Covered With Material	19
3	Roof Shop No.27 Ground Floor	Covered With Falls Ceiling	20

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
Second Floor



Photo 3
Second Floor



Photo 4
Terrace Floor



Photo 5
View of Shop No.27, Ground Floor



Photo 6
Inclined Crack on Wall No. 3 of Terrace
Approx. Width = 1mm, Approx. Length = 0.4m.
Distance from Wall No. 1 = 1m, Height from Floor = 2.2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Dampness/Seepage on Wall No. 1 of Stair SF to TF



Photo 8
Dampness/Seepage on Hall No. 1 of Third Floor

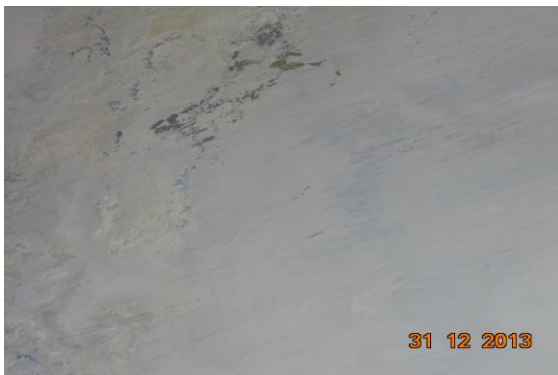


Photo 9
Dampness/Seepage on Wall No. 1, 3, 4 & Roof of Stair TF to Fourth Floor



Photo 10
Dampness/Seepage on Wall No. 1 of Hall No. 1 of Fourth Floor



Photo 11
Peeling of Plaster on Wall No. 2 of Hall No. 1 of Fourth Floor

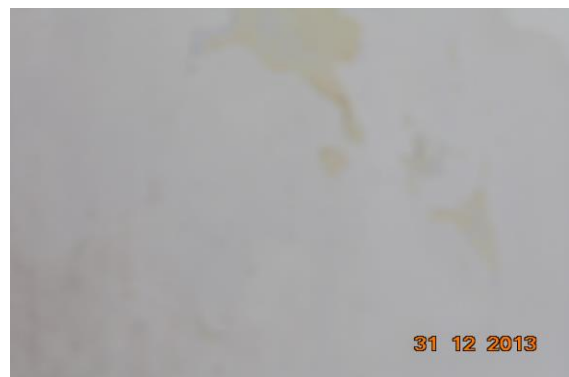


Photo 12
Dampness/Seepage on Wall No. 3 of Hall No. 1 of Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

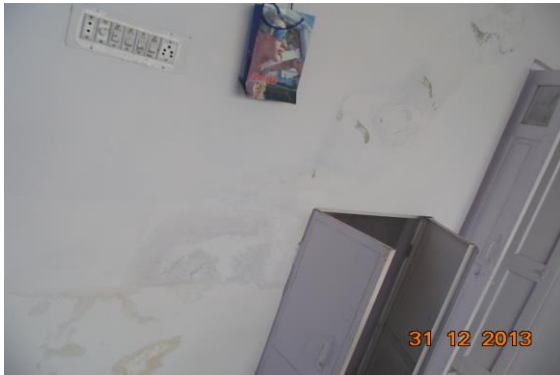


Photo 13

Dampness/Seepage on Wall No. 3 of Hall No. 1 of Fourth Floor



Photo 14

Dampness/Seepage on Wall No. 1 of Stair Fourth Floor to Terrace



Photo 15

Dampness/Seepage on Wall No. 1 & 2 of Stair GF to FF



Photo 16

Peeling of Plaster on Roof of Varanda of Shop No.27 of Ground Floor



Photo 17

Peeling of Plaster on Beam of Varanda of Shop No.27 of Ground Floor

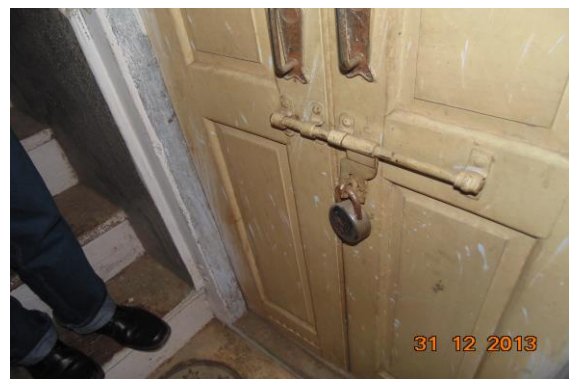


Photo 18

First Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

All Walls of Shop No.27 of Ground Floor Covered With Material



Photo 20

Roof of Shop No.27 of Ground Floor Covered With Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 329 & Shop No. 28
Ramganj Market
Jaipur
Unique ID: BC RA DN 0010

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0010/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

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The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	30/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1813 and is 200 years old.

There are 7 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0010-028	Labh Singh Jivan Singh		
BC-RA/DL/0010-FF-TF	House No. 329		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 329 & Shop No. 28
2	Building Address	House No. 329 & Shop No. 28 Ramganj Market Jaipur
3	Year of Construction	1813
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	200 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Wall No. 2 Room No. 2 House No. 329 First Floor	Peeling of Plaster	4
2	Stair Step FF to SF House No. 329 First Floor	Damaged Portion	5
3	Wall No. 1 & 4 Stair SF to TF House No. 329 Second Floor	Peeling of Plaster	6
4	Wall No. 1 Room No. 1 House No. 329 Third Floor	Damaged Portion	7
5	Beam Varanda of Shop No.28 Ground Floor	Peeling of Plaster	8
6	Roof Varanda of Shop No.28 Ground Floor	Peeling of Plaster	9
7	Roof Shop No.28 Ground Floor	Peeling of Plaster	10

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Store House No. 329 First Floor		11
2	All Walls Toilet No. 1 House No. 329 First Floor		12
3	Roof Room No. 1 House No. 329 Second Floor	Covered With Matrials	13
4	Wall No. 2 Room No. 2 House No. 329 Second Floor	Covered With Matrials	14
5	Wall No. 1 Room No. 2 House No. 329 Third Floor	Covered With Matrials	15
6	Wall No. 2 Room No. 2 House No. 329 Third Floor	Covered With Matrials	16
7	Stair TF to Fourth Floor House No. 329 Third Floor	Locked	17
8	All Walls Shop No.28 Ground Floor	Covered With Material	18

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Room No. 1, House No. 329 Third Floor



Photo 3
View of Shop No.28, Ground Floor



Photo 4
Peeling of Plaster on Wall No. 2 of Room No. 2 of House No. 329 First Floor



Photo 5
Damaged Portion on Stair Step FF to SF of House No. 329



Photo 6
Peeling of Plaster on Wall No. 1 & 4 of Stair SF to TF of House No. 329

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Damaged Portion on Wall No. 1 of Room No. 1 of House No. 329 Third Floor



Photo 8

Peeling of Plaster on Beam of Varanda of Shop No.28 of Ground Floor



Photo 9

Peeling of Plaster on Roof of Varanda of Shop No.28 of Ground Floor



Photo 10

Peeling of Plaster on Roof of Shop No.28 of Ground Floor



Photo 11

All Walls of Store of House No. 329 First Floor



Photo 12

All Walls of Toilet No. 1 of House No. 329 First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Roof of Room No. 1 of House No. 329 Second Floor Covered With Material



Photo 14

Wall No. 2 of Room No. 2 of House No. 329 Second Floor Covered With Material



Photo 15

Wall No. 1 of Room No. 2 of House No. 329 Third Floor Covered With Material



Photo 16

Wall No. 2 of Room No. 2 of House No. 329 Third Floor Covered With Material



Photo 17

Stair TF to Fourth Floor of House No. 329 Third Floor Locked



Photo 18

All Walls of Shop No.28 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Banshi Jewellers
Ramganj Market
Jaipur
Unique ID: BC RA DN 0011

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0011/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Sh. Om Prakash Agarwal
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	24/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1860 and is 153 years old.

There are 2 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0011-029	Banshi Jewellers		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Banshi Jewellers
2	Building Address	Banshi Jewellers Ramganj Market Jaipur
3	Year of Construction	1860
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	153 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Varanda of Shop No.29 Ground Floor	Peeling of Plaster	3
2	Wall No. 1 Shop No.29 Ground Floor	Dampness/Seepage	4

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	House Above Shop No.29 Ground Floor	Permanent Locked	5

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Shop No.29



Photo 2
View of Shop, Ground Floor



Photo 3
Peeling of Plaster on Roof of Varanda of Shop No.29 of Ground Floor



Photo 4
Dampness/Seepage on Wall No. 1 of Shop No.29 of Ground Floor



Photo 5
House Above Shop No.29 of Ground Floor Permanent Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 30 & House above
Ramganj Market
Jaipur
Unique ID: BC RA DN 0012

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0012/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Rajiv Kumar Jain
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	25/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1860 and is 153 years old.

There are 50 defects in the structure out of which 12 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	9	75%
Slight (1 to 5mm)	3	25%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.83mm and average length of cracks is 1.87m. The maximum crack width is 3mm and minimum width is 0.4mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0012-30	Shahnulal Saraf		
BC-RA/DL/0012-FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 30 & House above
2	Building Address	Shop No. 30 & House above Ramganj Market Jaipur
3	Year of Construction	1860
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	153 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2 Staircase Ground Floor to First Floor	Vertical	3	1.8	Slight	2, 2A
2	Wall No. 1 & 4 Hall No. 1 First Floor	Inclined	0.6	2	Very Slight	3, 3A
3	Wall No. 1 Part A of Shop No.30 First Floor	Inclined	0.6	2.3	Very Slight	4, 4A
4	Wall No. 4 Part A of Shop No.30 First Floor	Vertical	0.5	2	Very Slight	5, 5A
5	Wall No. 2 & 4 Part A of Shop No.30 First Floor	Vertical	1	2	Slight	6, 6A
6	Wall No. 1 Part A of Shop No.30 First Floor	Inclined	0.4	1.3	Very Slight	7
7	Wall No. 2 Balcony First Floor	Vertical	1	1.5	Slight	8, 8A
8	Wall No. 1 Open Sky Varanda Second Floor	Inclined	0.5	1.3	Very Slight	9, 9A
9	Wall No. 1 Open Sky Varanda Second Floor	Inclined	0.5	3	Very Slight	10, 10A
10	Wall No. 4 Second Floor	Inclined	0.6	1.25	Very Slight	11, 11A
11	Wall No. 4 Second Floor	Inclined	0.8	2	Very Slight	12
12	Wall No. 1 Staircase area Third Floor	Inclined	0.4	2	Very Slight	13, 13A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
13	Roof Varanda of Shop No.30 Ground Floor	Dampness/Seepage	14
14	Wall No. 4 Shop No.30 Ground Floor	Dampness/Seepage	15
15	Wall No. 1 Staircase Ground Floor to First Floor	Dampness/Seepage	16
16	Wall No. 1 Staircase Ground Floor to First Floor	Dampness/Seepage	17
17	Wall No. 2 Staircase Ground Floor to First Floor	Peeling of Plaster	18
18	Roof Staircase Ground Floor to First Floor	Peeling of Plaster	19
19	Wall No. 4 Staircase Ground Floor to First Floor	Peeling of Plaster	20
20	Wall No. 2 & Roof Hall No. 1 First Floor	Dampness/Seepage	21
21	Wall No. 4 Part A of Shop No.30 First Floor	Peeling of Plaster	22
22	Wall No. 2 & Roof Hall No. 1 First Floor	Dampness/Seepage	23
23	Roof Balcony First Floor	Peeling of Plaster	24
24	Wall No. 4 & Roof Balcony First Floor	Dampness/Seepage	25
25	Shade Part-II First Floor	Peeling of Plaster	26
26	Shade Part-II First Floor	Peeling of Plaster	27
27	Outer Wall Part-II First Floor	Peeling of Plaster	28
28	Wall No. 3 Passage First Floor	Peeling of Plaster	29
29	Roof Passage First Floor	Peeling of Plaster	30
30	Staircase First Floor to Second Floor	Dampness/Seepage	31
31	Staircase First Floor to Second Floor	Dampness/Seepage	32
32	Wall No. 2 Staircase First Floor to Second Floor	Peeling of Plaster	33
33	Wall No. 1 Room No. 1 Second Floor	Peeling of Plaster	34
34	Wall No. 1 Room No. 1 Second Floor	Peeling of Plaster	35
35	Wall No. 3 & Roof Room No. 1 Second Floor	Peeling of Plaster	36
36	Wall No. 4 & Roof Room No. 1 Second Floor	Peeling of Plaster	37
37	Wall No. 2 Room No. 1 Second Floor	Peeling of Plaster	38
38	Wall No. 2 & Roof Lobby Second Floor	Dampness/Seepage	39
39	Wall No. 3 & Roof Lobby Second Floor	Dampness/Seepage	40

40	Roof Open Sky Varanda Second Floor	Peeling of Plaster	41
41	Wall No. 4 & 2 Open Sky Varanda Second Floor	Peeling of Plaster	42
42	Wall No. 2, 4 & Roof Open Sky Varanda Second Floor	Dampness/Seepage	43
43	Wall No. 3 & 1 Open Sky Varanda Second Floor	Dampness/Seepage	44
44	All Walls & Roof Balcony Second Floor	Dampness/Seepage	45
45	All Walls & Roof Balcony Second Floor	Dampness/Seepage	46
46	Wall No. 3 Staircase area Third Floor	Dampness/Seepage	47
47	Wall No. 3 Staircase area Third Floor	Dampness/Seepage	48
48	Wall No. 1 Staircase area Third Floor	Peeling of Plaster	49
49	Wall No. 2 Staircase area Third Floor	Peeling of Plaster	50
50	Toilet No. 1 First Floor	Dampness/Seepage	51

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Shop No.30 Ground Floor		52
2	Wall No. 2 Shop No.30 Ground Floor		53
3	Wall No. 4 Shop No.30 Ground Floor		54
4	Wall No. 4 Shop No.30 Ground Floor		55
5	Wall No. 4 Shop No.30 Ground Floor		56
6	Staircase area Third Floor	Locked	57



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Shop No.30



Photo 2
Vertical Crack on Wall No. 2 of Staircase Ground Floor to First Floor
Approx. Width = 3mm, Approx. Length = 1.8m.
Distance from Wall No.3 = 2m, Height from Floor = 0m.



Photo 2A
Vertical Crack on Wall No. 2 of Staircase Ground Floor to First Floor
Approx. Width = 3mm, Approx. Length = 1.8m.
Distance from Wall No.3 = 2m, Height from Floor = 0m.



Photo 3
Inclined Crack on Wall No. 1 & 4 of Hall No. 1, First Floor
Approx. Width = 0.6mm, Approx. Length = 2m.
Distance from Corner Wall No.1 = 4m, Height from Floor = 0m.



Photo 3A
Inclined Crack on Wall No. 1 & 4 of Hall No. 1, First Floor
Approx. Width = 0.6mm, Approx. Length = 2m.
Distance from Corner Wall No.1 = 4m, Height from Floor = 0m.

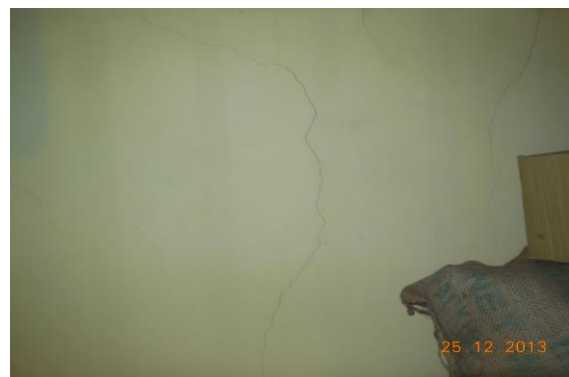


Photo 4
Inclined Crack on Wall No. 1 of Part A of Shop No.30, First Floor
Approx. Width = 0.6mm, Approx. Length = 2.3m.
Distance from Wall No.3 = 1.2m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

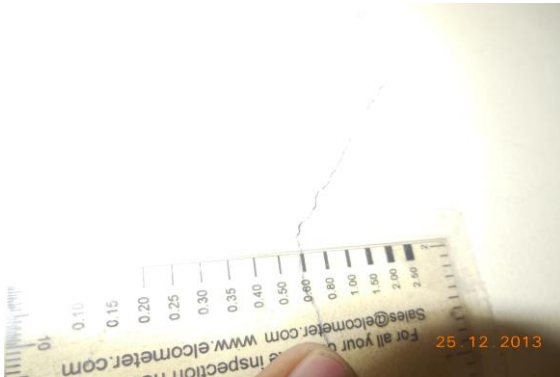


Photo 4A

Inclined Crack on Wall No. 1 of Part A of Shop No.30, First Floor
Approx. Width = 0.6mm, Approx. Length = 2.3m.
Distance from Wall No.3 = 1.2m, Height from Floor = 0m.



Photo 5

Vertical Crack on Wall No. 4 of Part A of Shop No.30, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Wall No.1 = 1m, Height from Floor = 0m.



Photo 5A

Vertical Crack on Wall No. 4 of Part A of Shop No.30, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Wall No.1 = 1m, Height from Floor = 0m.



Photo 5A

Vertical Crack on Wall No. 4 of Part A of Shop No.30, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Wall No.1 = 1m, Height from Floor = 0m.

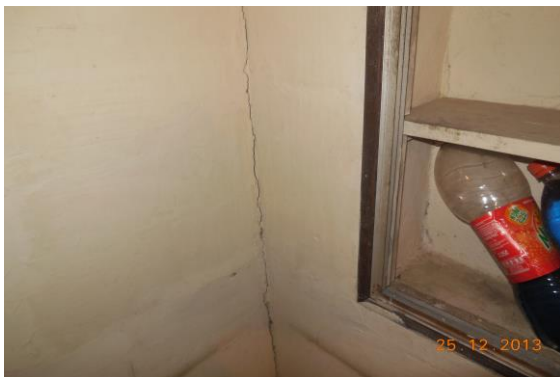


Photo 6

Vertical Crack on Wall No. 2 & 4 of Part A of Shop No.30, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = Corner Wall No.2 & 4m, Height from Floor = 0m.



Photo 6A

Vertical Crack on Wall No. 2 & 4 of Part A of Shop No.30, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = Corner Wall No.2 & 4m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Wall No. 1 of Part A of Shop No.30, First Floor
Approx. Width = 0.4mm, Approx. Length = 1.3m.
Distance from Wall No.4 = 1m, Height from Floor = 1.5m.



Photo 8

Vertical Crack on Wall No. 2 of Balcony, First Floor
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall No.3 = 0m, Height from Floor = 0m.



Photo 8A

Vertical Crack on Wall No. 2 of Balcony, First Floor
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall No.3 = 0m, Height from Floor = 0m.



Photo 9

Inclined Crack on Wall No. 1 of Open Sky Varanda, Second Floor
Approx. Width = 0.5mm, Approx. Length = 1.3m.
Distance from Wall no.3 = 0m, Height from Floor = 0m.



Photo 9A

Inclined Crack on Wall No. 1 of Open Sky Varanda, Second Floor
Approx. Width = 0.5mm, Approx. Length = 1.3m.
Distance from Wall no.3 = 0m, Height from Floor = 0m.



Photo 10

Inclined Crack on Wall No. 1 of Open Sky Varanda, Second Floor
Approx. Width = 0.5mm, Approx. Length = 3m.
Distance from Wall No.3 = 1.5m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 10A

Inclined Crack on Wall No. 1 of Open Sky Varanda, Second Floor
Approx. Width = 0.5mm, Approx. Length = 3m.
Distance from Wall No.3 = 1.5m, Height from Floor = 0m.



Photo 11

Inclined Crack on Wall No. 4 of Second Floor
Approx. Width = 0.6mm, Approx. Length = 1.25m.
Distance from Wall No.1 = 0.1m, Height from Floor = 1.2m.

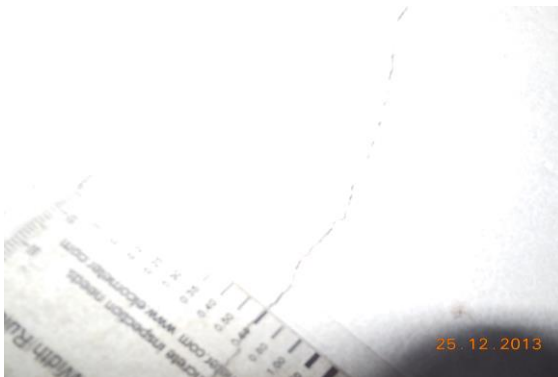


Photo 11A

Inclined Crack on Wall No. 4 of Second Floor
Approx. Width = 0.6mm, Approx. Length = 1.25m.
Distance from Wall No.1 = 0.1m, Height from Floor = 1.2m.



Photo 12

Inclined Crack on Wall No. 4 of Second Floor
Approx. Width = 0.8mm, Approx. Length = 2m.
Distance from Wall No.2 = 1.1m, Height from Floor = 1.2m.



Photo 13

Inclined Crack on Wall No. 1 of Staircase area, Third Floor
Approx. Width = 0.4mm, Approx. Length = 2m.
Distance from Wall No.3 = 0.8m, Height from Floor = 0m.



Photo 13A

Inclined Crack on Wall No. 1 of Staircase area, Third Floor
Approx. Width = 0.4mm, Approx. Length = 2m.
Distance from Wall No.3 = 0.8m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 14

Dampness/Seepage on Roof of Varanda of Shop No.30 of Ground Floor



Photo 15

Dampness/Seepage on Wall No. 4 of Shop No.30 of Ground Floor



Photo 16

Dampness/Seepage on Wall No. 1 of Staircase Ground Floor to First Floor



Photo 17

Dampness/Seepage on Wall No. 1 of Staircase Ground Floor to First Floor



Photo 18

Peeling of Plaster on Wall No. 2 of Staircase Ground Floor to First Floor



Photo 19

Peeling of Plaster on Roof of Staircase Ground Floor to First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 20

Peeling of Plaster on Wall No. 4 of Staircase Ground Floor to First Floor



Photo 21

Dampness/Seepage on Wall No. 2 & Roof of Hall No. 1 of First Floor



Photo 22

Peeling of Plaster on Wall No. 4 of Part A of Shop No.30 of First Floor



Photo 23

Dampness/Seepage on Wall No. 2 & Roof of Hall No. 1 of First Floor



Photo 24

Peeling of Plaster on Roof of Balcony of First Floor



Photo 25

Dampness/Seepage on Wall No. 4 & Roof of Balcony of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 26
Peeling of Plaster on Shade of Part-II of First Floor



Photo 27
Peeling of Plaster on Shade of Part-II of First Floor



Photo 28
Peeling of Plaster on Outer Wall of Part-II of First Floor



Photo 29
Peeling of Plaster on Wall No. 3 of Passage of First Floor



Photo 30
Peeling of Plaster on Roof of Passage of First Floor



Photo 31
Dampness/Seepage on Staircase First Floor to Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

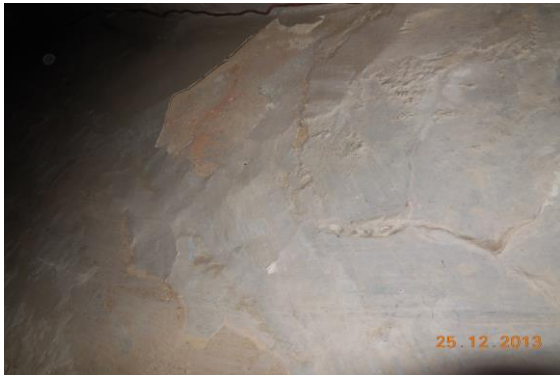


Photo 32
Dampness/Seepage on of Staircase First Floor to Second Floor



Photo 33
Peeling of Plaster on Wall No. 2 of Staircase First Floor to Second Floor



Photo 34
Peeling of Plaster on Wall No. 1 of Room No. 1 of Second Floor



Photo 35
Peeling of Plaster on Wall No. 1 of Room No. 1 of Second Floor



Photo 36
Peeling of Plaster on Wall No. 3 & Roof of Room No. 1 of Second Floor



Photo 37
Peeling of Plaster on Wall No. 4 & Roof of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 38

Peeling of Plaster on Wall No. 2 of Room No. 1 of Second Floor



Photo 39

Dampness/Seepage on Wall No. 2 & Roof of Lobby of Second Floor



Photo 40

Dampness/Seepage on Wall No. 3 & Roof of Lobby of Second Floor



Photo 41

Peeling of Plaster on Roof of Open Sky Varanda of Second Floor



Photo 42

Peeling of Plaster on Wall No. 4 & 2 of Open Sky Varanda of Second Floor



Photo 43

Dampness/Seepage on Wall No. 2, 4 & Roof of Open Sky Varanda of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 44

Dampness/Seepage on Wall No. 3 & 1 of Open Sky Varanda of Second Floor



Photo 45

Dampness/Seepage on All Walls & Roof of Balcony of Second Floor



Photo 46

Dampness/Seepage on All Walls & Roof of Balcony of Second Floor



Photo 47

Dampness/Seepage on Wall No. 3 of Staircase area of Third Floor



Photo 48

Dampness/Seepage on Wall No. 3 of Staircase area of Third Floor



Photo 49

Peeling of Plaster on Wall No. 1 of Staircase area of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 50

Peeling of Plaster on Wall No. 2 of Staircase area of Third Floor



Photo 51

Dampness/Seepage on Toilet No. 1 of First Floor



Photo 52

Wall No. 1 of Shop No.30 of Ground Floor



Photo 53

Wall No. 2 of Shop No.30 of Ground Floor



Photo 54

Wall No. 4 of Shop No.30 of Ground Floor



Photo 55

Wall No. 4 of Shop No.30 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 56
Wall No. 4 of Shop No.30 of Ground Floor



Photo 57
Staircase area of Third Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 31
Ramganj Market
Jaipur
Unique ID: BC RA DN 0013

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0013/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Bakshi
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	25/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1813 and is 200 years old.

There are 3 defects in the structure out of which 2 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.65mm and average length of cracks is 1.4m. The maximum crack width is 0.8mm and minimum width is 0.5mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0013-31	Ladiwals Jewellers		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 31
2	Building Address	Shop No. 31 Ramganj Market Jaipur
3	Year of Construction	1813
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	200 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	Two Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Backside & Leftside External Column Shop No.31 Ground Floor	Inclined	0.8	0.8	Very Slight	3
2	Backside & Leftside External Column Shop No.31 Ground Floor	Horizontal	0.5	2	Very Slight	4

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
3	Roof Shop No.31 Ground Floor	Dampness/Seepage	5

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Shop No.31 Ground Floor	Covered With Wooden Work	6
2	Wall No. 2 Shop No.31 Ground Floor	Covered With Wooden Work	7
3	Roof Shop No.31 Ground Floor	Covered With Falls Ceiling	8
4	Shop No.31 Ground Floor	Not Permitted Area	9

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Shop No.31



Photo 2
View of Shop Upper Ground Floor



Photo 3
Inclined Crack on Backside & Leftside External Column of Shop No.31, Ground Floor
Approx. Width = 0.8mm, Approx. Length = 0.8m.
Distance from Leftside External Column = Backside Height from Floor



Photo 4
Horizontal Crack on Backside & Leftside External Column of Shop No.31, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Leftside External Column = Backside Height from Floor



Photo 5
Dampness/Seepage on Roof of Shop No.31 of Ground Floor



Photo 6
Wall No. 1 of Shop No.31 of Ground Floor Covered With Wooden Work

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Wall No. 2 of Shop No.31 of Ground Floor Covered With Wooden Work



Photo 8

Roof of Shop No.31 of Ground Floor Covered With Falls Ceiling



Photo 9

Shop No.31 of Ground Floor Not Permitted Area

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 32
Ramganj Market
Jaipur
Unique ID: BC RA DN 0014

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0014/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Joginder Singh
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	25/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1860 and is 153 years old.

There are 4 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0014-32	Jogender Singh Labh Singh		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 32
2	Building Address	Shop No. 32 Ramganj Market Jaipur
3	Year of Construction	1860
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	153 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	Two Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Shop No.32 Ground Floor	Dampness/Seepage	4
2	Wall No. 3 Part-II of Shop No.32 Ground Floor	Peeling of Plaster	5
3	Roof Shop No.32 Ground Floor	Dampness/Seepage	6
4	Beam Shop No.32 Ground Floor	Peeling of Plaster	7

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Shop No.32 Ground Floor	Covered With Material	8
2	Wall No. 2 Shop No.32 Ground Floor	Covered With Material	9
3	Wall No. 4 Shop No.32 Ground Floor	Covered With Material	10
4	Wall No. 1, 2 & 4 Part-II of Shop No.32 Ground Floor	Covered With Material	11
5	House above	Locked	12

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Shop No.32, Ground Floor

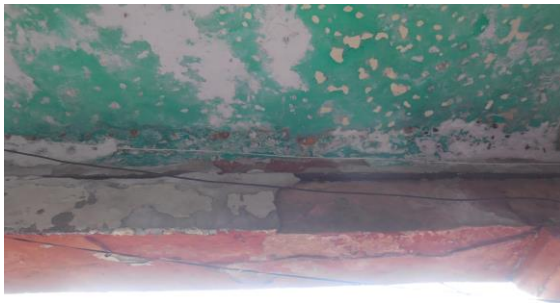


Photo 3
View of Shop No.33, Ground Floor



Photo 4
Dampness/Seepage on Roof of Shop No.32 of Ground Floor



Photo 5
Peeling of Plaster on Wall No. 3 of Part-II of Shop No.32 of Ground Floor



Photo 6
Dampness/Seepage on Roof of Shop No.32 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Peeling of Plaster on Beam of Shop No.32 of Ground Floor



Photo 8

Wall No. 1 of Shop No.32 of Ground Floor Covered With Material



Photo 9

Wall No. 2 of Shop No.32 of Ground Floor Covered With Material



Photo 10

Wall No. 4 of Shop No.32 of Ground Floor Covered With Material



Photo 11

Wall No. 1, 2 & 4 of Part-II of Shop No.32 of Ground Floor Covered With Material



Photo 12

House above of Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 33 & House No. 319
Ramganj Market
Jaipur
Unique ID: BC RA DN 0015

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0015/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Abdul Aziz
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	25/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1860 and is 153 years old.

There are 32 defects in the structure out of which 5 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	40%
Slight (1 to 5mm)	3	60%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.78mm and average length of cracks is 1.74m. The maximum crack width is 1mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0015-33	The General Gramophone & Radio House		
BC-RA/DL/0015-FF-TF	House No. 319		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 33 & House No. 319
2	Building Address	Shop No. 33 & House No. 319 Ramganj Market Jaipur
3	Year of Construction	1860
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	153 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	Two Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 Staircase Ground To First Floor	Vertical	1	1.5	Slight	2, 2A
2	Wall No. 4 Room No. 2 First Floor	Inclined	1	2	Slight	3, 3A
3	Wall No. 3 Room No. 2 First Floor	Horizontal	0.3	0.7	Very Slight	4, 4A
4	Wall No. 2 & 3 Room No. 1 Third Floor	Vertical	1	2	Slight	5
5	Staircase Area Third Floor to Terrace	Inclined	0.6	2.5	Very Slight	6, 6A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
6	Roof Shop No.33 Ground Floor	Dampness/Seepage	7
7	Wall No. 4 & Roof Shop No.33 Ground Floor	Dampness/Seepage	8
8	Wall No. 1 Staircase Ground To First Floor	Dampness/Seepage	9
9	Wall No. 2 Staircase Ground To First Floor	Dampness/Seepage	10
10	Roof Staircase Ground To First Floor	Peeling of Plaster	11
11	Wall No. 2 Staircase Ground To First Floor	Peeling of Plaster	12
12	Wall No. 4 Room No. 2 First Floor	Dampness/Seepage	13
13	Wall No. 4 Room No. 2 First Floor	Peeling of Plaster	14
14	Roof Balcony First Floor	Dampness/Seepage	15
15	Wall No. 1 & 3 Balcony First Floor	Dampness/Seepage	16
16	Wall No. 2 Balcony First Floor	Peeling of Plaster	17
17	Wall No. 3 Balcony First Floor	Peeling of Plaster	18
18	Wall No. 1 Staircase First Floor to Second Floor	Dampness/Seepage	19
19	Wall No. 1 Staircase First Floor to Second Floor	Peeling of Plaster	20
20	Wall No. 1, 4 & Roof Staircase First Floor to Second Floor	Dampness/Seepage	21
21	Roof Staircase First Floor to Second Floor	Peeling of Plaster	22
22	Wall No. 4 Staircase First Floor to Second Floor	Peeling of Plaster	23
23	Wall No. 4 Staircase First Floor to Second Floor	Dampness/Seepage	24
24	Wall No. 2 & 4 Second Floor	Dampness/Seepage	25
25	Roof Balcony Second Floor	Dampness/Seepage	26
26	Wall No. 3 Balcony Second Floor	Dampness/Seepage	27
27	Wall No. 3 Store Second Floor	Dampness/Seepage	28
28	Wall No. 1, 4 & Roof Room No. 1 Third Floor	Peeling of Plaster	29
29	Roof Bathroom Third Floor	Peeling of Plaster	30
30	Wall No. 3 Balcony Third Floor	Dampness/Seepage	31
31	Shade House No.319 Above Shop No.33 First Floor	Peeling of Plaster	32
32	Shade House No.319 Above Shop No.33 Second Floor	Peeling of Plaster	33

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Shop No.33 Ground Floor	Covered With Material	34
2	All Walls Part-II of Shop No.33 Ground Floor	Covered With Material	35
3	Wall No. 2 Shop No.33 Ground Floor	Covered With Material	36

4	All Walls Part-III of Shop No.33 Ground Floor	Covered With Material	37
5	All Walls Part-III of Shop No.33 Ground Floor	Covered With Material	38
6	Wall No. 1 & 4 House No.319 Above Shop No.33 Second Floor	Covered With Material	39
7	Wall No. 2 & 4 House No.319 Above Shop No.33 Second Floor	Covered With Material	40
8	Wall No. 4 Open Sky Third Floor	Covered With Tiles	41
9	All Walls Bathroom Third Floor	Covered With Tiles	42
10	All Walls Toilet No. 1 Third Floor	Covered With Tiles	43



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
House No.319 Above Shop No.33



Photo 2
Vertical Crack on Wall No. 1 of Staircase Ground To First Floor
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall No.4 = 0.9m, Height from Floor = 0m.



Photo 2A
Vertical Crack on Wall No. 1 of Staircase Ground To First Floor
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall No.4 = 0.9m, Height from Floor = 0m.



Photo 3
Inclined Crack on Wall No. 4 of Room No. 2, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from Wall No.2 = 0.3m, Height from Floor = 0m.



Photo 3A
Inclined Crack on Wall No. 4 of Room No. 2, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from Wall No.2 = 0.3m, Height from Floor = 0m.



Photo 4
Horizontal Crack on Wall No. 3 of Room No. 2, First Floor
Approx. Width = 0.3mm, Approx. Length = 0.7m.
Distance from Wall No.1 = 0.85m, Height from Floor = 1.6m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 4A

Horizontal Crack on Wall No. 3 of Room No. 2, First Floor
Approx. Width = 0.3mm, Approx. Length = 0.7m.
Distance from Wall No.1 = 0.85m, Height from Floor = 1.6m.



Photo 5

Vertical Crack on Wall No. 2 & 3 of Room No. 1, Third Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 6

Inclined Crack on Staircase Area Third Floor to Terrace
Approx. Width = 0.6mm, Approx. Length = 2.5m.
Distance from Wall No.3 = 1.7m, Height from Floor = 0m.



Photo 6A

Inclined Crack on of Staircase Area Third Floor to Terrace
Approx. Width = 0.6mm, Approx. Length = 2.5m.
Distance from Wall No.3 = 1.7m, Height from Floor = 0m.



Photo 7

Dampness/Seepage on Roof of Shop No.33 of Ground Floor



Photo 8

Dampness/Seepage on Wall No. 4 & Roof of Shop No.33 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 9

Dampness/Seepage on Wall No. 1 of Staircase Ground To First Floor



Photo 10

Dampness/Seepage on Wall No. 2 of Staircase Ground To First Floor



Photo 11

Peeling of Plaster on Roof of Staircase Ground To First Floor



Photo 12

Peeling of Plaster on Wall No. 2 of Staircase Ground To First Floor



Photo 13

Dampness/Seepage on Wall No. 4 of Room No. 2 of First Floor



Photo 14

Peeling of Plaster on Wall No. 4 of Room No. 2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 15

Dampness/Seepage on Roof of Balcony of First Floor



Photo 16

Dampness/Seepage on Wall No. 1 & 3 of Balcony of First Floor



Photo 17

Peeling of Plaster on Wall No. 2 of Balcony of First Floor



Photo 18

Peeling of Plaster on Wall No. 3 of Balcony of First Floor



Photo 19

Dampness/Seepage on Wall No. 1 of Staircase First Floor to Second Floor



Photo 20

Peeling of Plaster on Wall No. 1 of Staircase First Floor to Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 21

Dampness/Seepage on Wall No. 1, 4 & Roof of Staircase First Floor to Second Floor



Photo 22

Peeling of Plaster on Roof of Staircase First Floor to Second Floor



Photo 23

Peeling of Plaster on Wall No. 4 of Staircase First Floor to Second Floor



Photo 24

Dampness/Seepage on Wall No. 4 of Staircase First Floor to Second Floor



Photo 25

Dampness/Seepage on Wall No. 2 & 4 of Second Floor



Photo 26

Dampness/Seepage on Roof of Balcony of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 27

Dampness/Seepage on Wall No. 3 of Balcony of Second Floor



Photo 28

Dampness/Seepage on Wall No. 3 of Store of Second Floor



Photo 29

Peeling of Plaster on Wall No. 1, 4 & Roof of Room No. 1 of Third Floor



Photo 30

Peeling of Plaster on Roof of Bathroom of Third Floor



Photo 31

Dampness/Seepage on Wall No. 3 of Balcony of Third Floor



Photo 32

Peeling of Plaster on Wall No. Shade of House No.319 Above Shop No.33 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 33

Peeling of Plaster on Wall No. 319 Above Shop No.33 of Second Floor



Photo 34

Wall No. 1 of Shop No.33 of Ground Floor Covered With Material



Photo 35

All Walls of Part-II of Shop No.33 of Ground Floor Covered With Material



Photo 36

Wall No. 2 of Shop No.33 of Ground Floor Covered With Material



Photo 37

All Walls of Part-III of Shop No.33 of Ground Floor Covered With Material



Photo 38

All Walls of Part-III of Shop No.33 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 39

Wall No. 1 & 4 of House No.319 Above Shop No.33 of Second Floor Covered With Material



Photo 40

Wall No. 2 & 4 of House No.319 Above Shop No.33 of Second Floor Covered With Material



Photo 41

Wall No. 4 of Open Sky of Third Floor Covered With Tiles



Photo 42

All Walls of Bathroom of Third Floor Covered With Tiles



Photo 43

All Walls of Toilet No. 1 of Third Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 317 & Shop No. 34
Ramganj Market
Jaipur
Unique ID: BC RA DN 0016

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0016/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	31/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1813 and is 200 years old.

There are 57 defects in the structure out of which 5 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	20%
Slight (1 to 5mm)	3	60%
Moderate (5 to 15mm)	1	20%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 2.46mm and average length of cracks is 1.56m. The maximum crack width is 5mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0016-34	Dlip Kumar Jivat Ram		
BC-RA/DL/0016-FF-TF	House No. 317		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 317 & Shop No. 34
2	Building Address	House No. 317 & Shop No. 34 Ramganj Market Jaipur
3	Year of Construction	1813
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	200 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 5 Open Area 1 Terrace	Inclined	4	3	Slight	4, 4A
2	Wall No. 5 Open Area Terrace	Vertical	5	2	Moderate	5
3	Wall No. 5 Open Area Terrace	Inclined	2	1	Slight	6
4	Wall No. 4 Bathroom Second Floor	Inclined	1	0.3	Slight	7
5	Wall No. 4 Open Area Second Floor	Horizontal	0.3	1.5	Very Slight	8, 8A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
6	Wall No. 2 Open Area Third Floor	Peeling of Plaster	9
7	Wall No. 3 Third Floor	Peeling of Plaster	10
8	Wall No. 1 Third Floor	Peeling of Plaster	11
9	Wall No. 4 Third Floor	Peeling of Plaster	12
10	Roof Toilet No. 1 Third Floor	Dampness/Seepage	13
11	Wall No. 1 Toilet No. 1 Third Floor	Dampness/Seepage	14
12	Wall No. 2 Room No. 1 Third Floor	Dampness/Seepage	15
13	Wall No. 1 Room No. 1 Third Floor	Dampness/Seepage	16
14	Roof Room No. 1 Third Floor	Dampness/Seepage	17
15	Wall No. 3 Room No. 1 Third Floor	Peeling of Plaster	18
16	Floor Open Area 1 Terrace	Peeling of Plaster	19
17	Wall No. 4 Open Area 1 Terrace	Peeling of Plaster	20
18	Store Room Shed Terrace	Damaged Portion	21
19	Wall No. 2 Terrace	Peeling of Plaster	22
20	Wall No. 2 Stair SF to TF Terrace	Peeling of Plaster	23
21	Wall No. 1 Terrace	Peeling of Plaster	24
22	Wall No. 2 Terrace	Peeling of Plaster	25
23	Stair Step Second Floor	Damaged Portion	26
24	Wall No. 4 Lobby Second Floor	Dampness/Seepage	27
25	Wall No. 1 Lobby Second Floor	Dampness/Seepage	28
26	Wall No. 3 Second Floor	Peeling of Plaster	29
27	Wall No. 4 Second Floor	Peeling of Plaster	30
28	Wall No. 4 & Roof Bathroom No. 1 Second Floor	Dampness/Seepage	31
29	Wall No. 2 Lobby Shed Second Floor	Dampness/Seepage	32
30	Wall No. 4 & Roof Room No. 2 Second Floor	Dampness/Seepage	33
31	Wall No. 4 & Roof Room No. 1 Second Floor	Dampness/Seepage	34
32	Wall No. 3 Room No. 1 Second Floor	Peeling of Plaster	35
33	Roof Room No. 1 Second Floor	Peeling of Plaster	36
34	Wall No. 2 Room No. 1 Second Floor	Peeling of Plaster	37
35	Wall No. 1 Room No. 1 Second Floor	Peeling of Plaster	38
36	Wall No. 2 Stair FF to SF	Peeling of Plaster	39
37	Wall No. 1 Second Floor	Peeling of Plaster	40
38	Wall No. 5 & Roof Lobby First Floor	Dampness/Seepage	41
39	Wall No. 1 & Roof First Floor	Dampness/Seepage	42
40	Wall No. 4 First Floor	Dampness/Seepage	43
41	Wall No. 4 Varanda First Floor	Dampness/Seepage	44
42	Wall No. 4 First Floor	Peeling of Plaster	45

43	Wall No. 2 First Floor	Peeling of Plaster	46
44	Wall No. 1, 4 & Roof Toilet No. 1 First Floor	Dampness/Seepage	47
45	Wall No. 4 Store First Floor	Peeling of Plaster	48
46	Wall No. 2 Stair GF to FF	Peeling of Plaster	49
47	Wall No. 1 First Floor	Peeling of Plaster	50
48	Roof First Floor	Peeling of Plaster	51
49	Outer Wall First Floor	Peeling of Plaster	52
50	Outer Wall Second Floor	Peeling of Plaster	53
51	Outer Wall Second Floor	Peeling of Plaster	54
52	Shed Second Floor	Peeling of Plaster	55
53	Outer Wall Third Floor	Dampness/Seepage	56
54	Wall No. 2 Shop No. 34 Ground Floor	Peeling of Plaster	57
55	Roof Shop No. 34 Ground Floor	Peeling of Plaster	58
56	Roof Shop No. 34 Ground Floor	Dampness/Seepage	59
57	Roof Shop No. 34 Ground Floor	Dampness/Seepage	60

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Kitchen Third Floor	Covered with Material	61
2	All Walls Toilet No. 1 Third Floor	Covered with Tiles	62
3	Store Terrace	Locked	63
4	All Walls Bathroom Second Floor	Covered with Tiles	64
5	All Walls Room No. 2 Second Floor	Covered	65
6	All Walls Store Room Second Floor	Covered	66
7	All Walls Toilet No. 1 First Floor	Covered with Tiles	67
8	Wall No. 1 Shop No.34 Ground Floor	Covered With Material	68
9	Wall No. 2 Shop No.34 Ground Floor	Covered With Material	69
10	Wall No. 4 Shop No.34 Ground Floor	Covered With Material	70
11	All Walls Shop No.34 Upper Ground Floor	Covered With Material	71

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2
General View, First Floor



Photo 3
View of Shop No.34, Ground Floor



Photo 4
Inclined Crack on Wall No. 5 of Open Area 1, Terrace, Approx. Width = 4mm, Approx. Length = 3m.
Distance from Wall No. 2 = 1.1m, Height from Floor = 0m.



Photo 4A
Inclined Crack on Wall No. 5 of Open Area 1, Terrace, Approx. Width = 4mm, Approx. Length = 3m.
Distance from Wall No. 2 = 1.1m, Height from Floor = 0m.



Photo 5
Vertical Crack on Wall No. 5 of Open Area, Terrace, Approx. Width = 5mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6

Inclined Crack on Wall No. 5 of Open Area, Terrace, Approx. Width = 2mm, Approx. Length = 1m.
Distance from Wall No. 2 = 2m, Height from Floor = 2m.



Photo 7

Inclined Crack on Wall No. 4 of Bathroom, Second Floor, Approx. Width = 1mm, Approx. Length = 0.3m.
Distance from Wall No. 1 = 0.8m, Height from Floor = 2.1m.



Photo 8

Horizontal Crack on Wall No. 4 of Open Area, Second Floor, Approx. Width = 0.3mm, Approx. Length = 1.5m.
Distance from Wall No. 1 = 0.8m, Height from Floor = 1.5m.



Photo 8A

Horizontal Crack on Wall No. 4 of Open Area, Second Floor, Approx. Width = 0.3mm, Approx. Length = 1.5m.
Distance from Wall No. 1 = 0.8m, Height from Floor = 1.5m.



Photo 9

Peeling of Plaster on Wall No. 2 of Open Area of Third Floor



Photo 10

Peeling of Plaster on Wall No. 3 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11
Peeling of Plaster on Wall No. 1 of Third Floor



Photo 12
Peeling of Plaster on Wall No. 4 of Third Floor



Photo 13
Dampness/Seepage on Roof of Toilet No. 1 of Third Floor



Photo 14
Dampness/Seepage on Wall No. 1 of Toilet No. 1 of Third Floor



Photo 15
Dampness/Seepage on Wall No. 2 of Room No. 1 of Third Floor



Photo 16
Dampness/Seepage on Wall No. 1 of Room No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 17

Dampness/Seepage on Roof of Room No. 1 of Third Floor



Photo 18

Peeling of Plaster on Wall No. 3 of Room No. 1 of Third Floor



Photo 19

Peeling of Plaster on Floor of Open Area 1 of Terrace



Photo 20

Peeling of Plaster on Wall No. 4 of Open Area 1 of Terrace



Photo 21

Damaged Portion on Store Room Shed of Terrace



Photo 22

Peeling of Plaster on Wall No. 2 of Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 23
Peeling of Plaster on Wall No. 2 of Stair SF to TF of Terrace



Photo 24
Peeling of Plaster on Wall No. 1 of Terrace



Photo 25
Peeling of Plaster on Wall No. 2 of Terrace



Photo 26
Damaged Portion on Stair Step of Second Floor



Photo 27
Dampness/Seepage on Wall No. 4 of Lobby of Second Floor



Photo 28
Dampness/Seepage on Wall No. 1 of Lobby of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29
Peeling of Plaster on Wall No. 3 of Second Floor



Photo 30
Peeling of Plaster on Wall No. 4 of Second Floor



Photo 31
Dampness/Seepage on Wall No. 4 & Roof of Bathroom of Second Floor



Photo 32
Dampness/Seepage on Wall No. 2 of Lobby Shed of Second Floor



Photo 33
Dampness/Seepage on Wall No. 4 & Roof of Room No. 2 of Second Floor



Photo 34
Dampness/Seepage on Wall No. 4 & Roof of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 35

Peeling of Plaster on Wall No. 3 of Room No. 1 of Second Floor



Photo 36

Peeling of Plaster on Roof of Room No. 1 of Second Floor



Photo 37

Peeling of Plaster on Wall No. 2 of Room No. 1 of Second Floor



Photo 38

Peeling of Plaster on Wall No. 1 of Room No. 1 of Second Floor



Photo 39

Peeling of Plaster on Wall No. 2 of Stair FF to SF

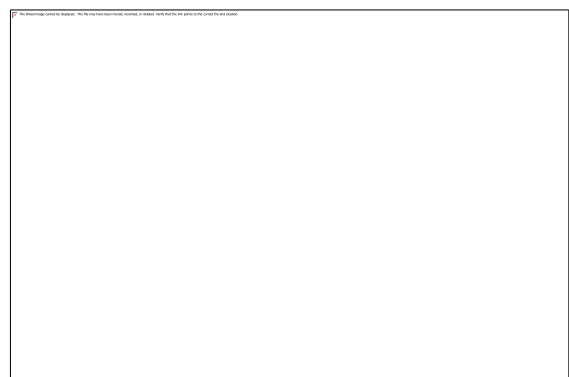


Photo 40

Peeling of Plaster on Wall No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 41
Dampness/Seepage on Wall No. 5 & Roof of Lobby of First Floor



Photo 42
Dampness/Seepage on Wall No. 1 & Roof of First Floor



Photo 43
Dampness/Seepage on Wall No. 4 of First Floor



Photo 44
Dampness/Seepage on Wall No. 4 of Varanda of First Floor



Photo 45
Peeling of Plaster on Wall No. 4 of First Floor



Photo 46
Peeling of Plaster on Wall No. 2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 47

Dampness/Seepage on Wall No. 1, 4 & Roof of Toilet No. 1 of First Floor



Photo 48

Peeling of Plaster on Wall No. 4 of Store of First Floor



Photo 49

Peeling of Plaster on Wall No. 2 of Stair GF to FF



Photo 50

Peeling of Plaster on Wall No. 1 of First Floor



Photo 51

Peeling of Plaster on Roof of First Floor



Photo 52

Peeling of Plaster on Outer Wall of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 53
Peeling of Plaster on Outer Wall of Second Floor



Photo 54
Peeling of Plaster on Outer Wall of Second Floor



Photo 55
Peeling of Plaster on Shed of Second Floor



Photo 56
Dampness/Seepage on Outer Wall of Third Floor



Photo 57
Peeling of Plaster on Wall No. 2 of Shop No.34 of Ground Floor

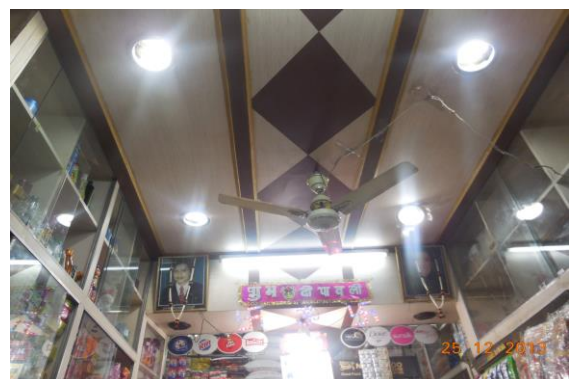


Photo 58
Peeling of Plaster on Roof of Shop No.34 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 59
Dampness/Seepage on Roof of Shop No.34 of Ground Floor



Photo 60
Dampness/Seepage on Roof of Shop No.34 of Ground Floor



Photo 61
All Walls of Kitchen of Third Floor Covered with Material



Photo 62
All Walls of Toilet No. 1 of Third Floor Covered with Tiles



Photo 63
Store of Terrace Locked



Photo 64
All Walls of Bathroom of Second Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 65
All Walls of Room No. 2 of Second Floor Covered



Photo 66
All Walls of Store Room of Second Floor Covered



Photo 67
All Walls of Toilet No. 1 of First Floor Covered with Tiles



Photo 68
Wall No. 1 of Shop No.34 of Ground Floor Covered With Material



Photo 69
Wall No. 2 of Shop No.34 of Ground Floor Covered With Material



Photo 70
Wall No. 4 of Shop No.34 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 71

All Walls of Shop No.34 of Upper Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 315
35, Ramganj Market
Jaipur
Unique ID: BC RA DN 0017

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0017/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Pandit Dayal Ji Sharma
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1863 and is 150 years old.

There are 35 defects in the structure out of which 8 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	3	37.50%
Slight (1 to 5mm)	5	62.50%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.61mm and average length of cracks is 1.7m. The maximum crack width is 3mm and minimum width is 0.25mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0017-35	Padam Electrical		
BC-RA/DL/0017-FF-TF	House No. 315		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 315
2	Building Address	House No. 315 35, Ramganj Market Jaipur
3	Year of Construction	1863
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	150 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Kitchen Third Floor	Inclined	0.5	2	Very Slight	4
2	Wall No. 3 Lobby Third Floor	Inclined	3	3	Slight	5
3	Outer wall No.3 Store Third Floor	Inclined	2	2	Slight	6, 6A
4	Wall No. 4 & Roof Balcony Second Floor	Inclined	0.25	0.6	Very Slight	7, 7A
5	Roof Lobby Second Floor	Inclined	0.6	2	Very Slight	8
6	Wall No. 4 Lobby Second Floor	Vertical	2.5	0.5	Slight	9, 9A
7	Wall No. 2 Staircase GF to FF	Inclined	1	1	Slight	10
8	Roof Varanda of Shop No. 35 Ground Floor	Horizontal	3	2.5	Slight	11

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
9	Wall No. 2 Lobby Third Floor	Peeling of Plaster	12
10	Wall No. 1 & 4 Kitchen Third Floor	Dampness/Seepage	13
11	Roof Kitchen Third Floor	Dampness/Seepage	14
12	Roof Kitchen Third Floor	Dampness/Seepage	15
13	Wall No. 1 & 3 Kitchen Third Floor	Dampness/Seepage	16
14	Wall No. 2 & 3 Kitchen Third Floor	Dampness/Seepage	17
15	Wall No. 4 Kitchen Third Floor	Dampness/Seepage	18
16	Roof Store Third Floor	Dampness/Seepage	19
17	Wall No. 3 & Roof Store Third Floor	Dampness/Seepage	20
18	Wall No. 4 & Roof Store Third Floor	Dampness/Seepage	21
19	Wall No. 2 & 3 Room No. 1 Third Floor	Dampness/Seepage	22
20	Wall No. 1 & 4 Room No. 1 Third Floor	Dampness/Seepage	23
21	Wall No. 3 Room No. 1 Third Floor	Dampness/Seepage	24
22	Wall No. 1 Staircase Area Third Floor	Peeling of Plaster	25
23	Wall No. 1 Staircase Area	Peeling of Plaster	26
24	Roof Balcony Second Floor	Dampness/Seepage	27
25	Wall No. 3 Balcony Second Floor	Dampness/Seepage	28
26	Wall No. 3 Balcony Second Floor	Dampness/Seepage	29
27	Wall No. 3 Balcony Second Floor	Dampness/Seepage	30
28	Wall No. 4 Lobby Second Floor	Peeling of Plaster	31
29	Wall No. 3 Lobby Second Floor	Peeling of Plaster	32
30	Wall No. 4 Bathroom Second Floor	Peeling of Plaster	33
31	Wall No. 1, 3 & 4 Staircase FF to SF	Peeling of Plaster	34
32	Outer wall Shade Second Floor	Damaged Portion	35
33	Outerwall Shade Third Floor	Damaged Portion	36
34	Beam & Left side External Column Varanda of Shop No. 35 Ground Floor	Peeling of Plaster	37
35	Roof Varanda of Shop No. 35 Ground Floor	Peeling of Plaster	38

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls & Bottam Portion Store Third Floor	Covered with Material	39
2	First Floor	Locked	40
3	All Walls Shop No.35 Ground Floor	Covered with Material	41
4	All Walls Shop No.35 Upper Ground Floor	Covered with Material	42



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of House No.315 Above Shop No.35



Photo 2

View of Room No.1, Second Floor



Photo 3

View of Shop No.35 Kamal Electronic



Photo 4

Inclined Crack on Wall No. 4 of Kitchen, Third Floor
Approx. Width = 0.5mm, Approx. Length = 2m.



Photo 5

Inclined Crack on Wall No. 3 of Lobby, Third Floor
Approx. Width = 3mm, Approx. Length = 3m.



Photo 6

Inclined Crack on Outer wall No.3 of Store, Third Floor
Approx. Width = 2mm, Approx. Length = 2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6A

Inclined Crack on Outer wall No.3 of Store, Third Floor
Approx. Width = 2mm, Approx. Length = 2m.



Photo 7

Inclined Crack on Wall No. 4 & Roof of Balcony, Second Floor
Approx. Width = 0.25mm, Approx. Length = 0.6m.
Distance from Wall No.1 = 0.8m, Height from Floor = 1.8m.



Photo 7A

Inclined Crack on Wall No. 4 & Roof of Balcony, Second Floor
Approx. Width = 0.25mm, Approx. Length = 0.6m.
Distance from Wall No.1 = 0.8m, Height from Floor = 1.8m.

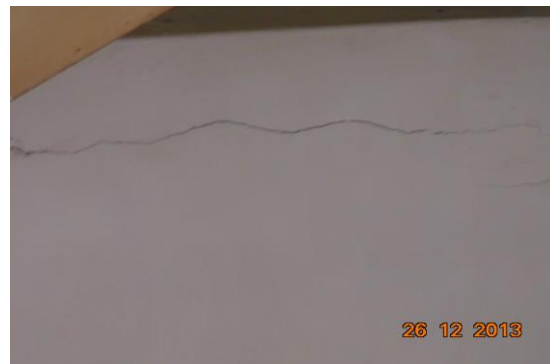


Photo 8

Inclined Crack on Roof of Lobby, Second Floor
Approx. Width = 0.6mm, Approx. Length = 2m.
Distance from Wall no.1 = 0m, Height from Floor = 2m.

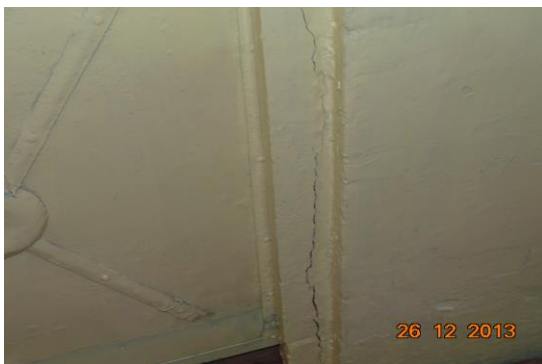


Photo 9

Vertical Crack on Wall No. 4 of Lobby, Second Floor
Approx. Width = 2.5mm, Approx. Length = 0.5m.
Distance from Wall No.1 = 0.9m, Height from Floor = 0m.



Photo 9A

Vertical Crack on Wall No. 4 of Lobby, Second Floor
Approx. Width = 2.5mm, Approx. Length = 0.5m.
Distance from Wall No.1 = 0.9m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 10
Inclined Crack on Wall No. 2 of Staircase GF to FF,
Approx. Width = 1mm, Approx. Length = 1m.



Photo 11
Horizontal Crack on Roof of Varanda of Shop No. 35, Ground Floor
Approx. Width = 3mm, Approx. Length = 2.5m.
Distance from Right side External Column = 0m, Height from Floor = 3m.



Photo 12
Peeling of Plaster on Wall No. 2 of Lobby of Third Floor



Photo 13
Dampness/Seepage on Wall No. 1 & 4 of Kitchen of Third Floor



Photo 14
Dampness/Seepage on Roof of Kitchen of Third Floor



Photo 15
Dampness/Seepage on Roof of Kitchen of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 16

Dampness/Seepage on Wall No. 1 & 3 of Kitchen of Third Floor



Photo 17

Dampness/Seepage on Wall No. 2 & 3 of Kitchen of Third Floor



Photo 18

Dampness/Seepage on Wall No. 4 of Kitchen of Third Floor



Photo 19

Dampness/Seepage on Roof of Store of Third Floor



Photo 20

Dampness/Seepage on Wall No. 3 & Roof of Store of Third Floor



Photo 21

Dampness/Seepage on Wall No. 4 & Roof of Store of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 22

Dampness/Seepage on Wall No. 2 & 3 of Room No. 1 of Third Floor

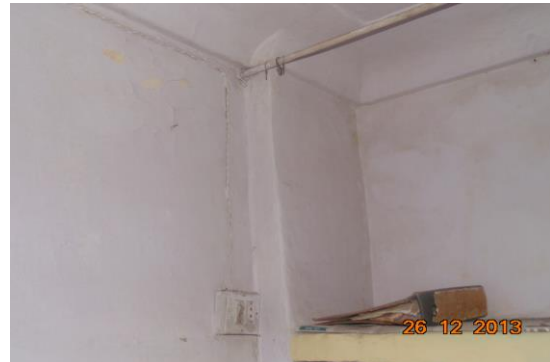


Photo 23

Dampness/Seepage on Wall No. 1 & 4 of Room No. 1 of Third Floor



Photo 24

Dampness/Seepage on Wall No. 3 of Room No. 1 of Third Floor



Photo 25

Peeling of Plaster on Wall No. 1 of Staircase Area of Third Floor



Photo 26

Peeling of Plaster on Wall No. 1 of Staircase Area



Photo 27

Dampness/Seepage on Roof of Balcony of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 28

Dampness/Seepage on Wall No. 3 of Balcony of Second Floor



Photo 29

Dampness/Seepage on Wall No. 3 of Balcony of Second Floor



Photo 30

Dampness/Seepage on Wall No. 3 of Balcony of Second Floor



Photo 31

Peeling of Plaster on Wall No. 4 of Lobby of Second Floor



Photo 32

Peeling of Plaster on Wall No. 3 of Lobby of Second Floor



Photo 33

Peeling of Plaster on Wall No. 4 of Bathroom of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34

Peeling of Plaster on Wall No. 1, 3 & 4 of Staircase FF to SF



Photo 35

Damaged Portion on outer wall Shade of Second Floor



Photo 36

Damaged Portion on outerwall Shade of Third Floor



Photo 37

Peeling of Plaster on Beam & Left side External Column of Varanda of Shop No. 35 of Ground Floor



Photo 38

Peeling of Plaster on Roof of Varanda of Shop No. 35 of Ground Floor



Photo 39

All Walls & Bottam Portion of Store of Third Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40
First Floor Locked



Photo 41
All Walls of Shop No.35 of Ground Floor Covered with Material



Photo 42
All Walls of Shop No.35 of Upper Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 313
36, Ramganj Market
Jaipur
Unique ID: BC RA DN 0018

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0018/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Hariram Dhamija
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1978 and is 35 years old.

There are 5 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0018-36	P.J.Jewellers		
BC-RA/DL/0018-FF-TF	House No. 313		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 313
2	Building Address	House No. 313 36, Ramganj Market Jaipur
3	Year of Construction	1978
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	35 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Right side External Column Varanda Shop No.36, Ground Floor	Damaged Portion	3
2	Right side External Column Varanda Shop No.36, Ground Floor	Damaged Portion	4
3	Roof Varanda Shop No.36, Ground Floor	Peeling of Plaster	5
4	Internal Beam Varanda Shop No.36, Ground Floor	Dampness/Seepage	6
5	Roof Varanda Shop No.36, Ground Floor	Peeling of Plaster	7

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	H.NO.313 First Floor Onwards	Locked	8

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of H.No.313 above Shop No.36



Photo 2

View of Shop No.36 P J Jewellers, Ground Floor



Photo 3

Damaged Portion on Right side External Column of Varanda of Shop No.36, Ground Floor



Photo 4

Damaged Portion on Right side External Column of Varanda of Shop No.36, Ground Floor



Photo 5

Peeling of Plaster on Roof of Varanda of Shop No.36, Ground Floor



Photo 6

Dampness/Seepage on Internal Beam of Varanda of Shop No.36, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Peeling of Plaster on Roof of Varanda of Shop No.36, Ground Floor



Photo 8

H.NO.313 of First Floor Onwards Locked



Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 311, Shop No. 37
36-39, Ramganj Market
Jaipur
Unique ID: BC RA DN 0019

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0019/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Smt. Chandrakanta Agarwal
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1978 and is 35 years old.

There are 37 defects in the structure out of which 16 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	7	43.75%
Slight (1 to 5mm)	8	50%
Moderate (5 to 15mm)	1	6.25%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.14mm and average length of cracks is 1.16m. The maximum crack width is 5mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0019-37	Puran Nand Jagdish Prasad		
BC-RA/DL/0019-38	NBT Limited		
BC-RA/DL/0019-39	Sikar Store & Shooters Centre		
BC-RA/DL/0019-FF-TF	House No. 311		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 311, Shop No. 37
2	Building Address	House No. 311, Shop No. 37 36-39, Ramganj Market Jaipur
3	Year of Construction	1978
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	35 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 & Roof Staircase Second Floor	Inclined	0.6	1	Very Slight	8
2	Wall No. 4 Hall No. 1 Second Floor	Inclined	0.3	1	Very Slight	9
3	Wall No. 2 Hall No. 1 Second Floor	Inclined	0.3	1	Very Slight	10, 10A
4	Wall No. 1 & Roof Hall No. 1 Second Floor	Inclined	2	1	Slight	11, 11A
5	Roof Room No. 1 Third Floor	Inclined	2	1	Slight	12
6	Roof Bathroom Third Floor	Horizontal	1	0.5	Slight	13
7	Roof Bathroom Third Floor	Horizontal	1	0.5	Slight	14
8	Roof Bathroom Third Floor	Horizontal	0.8	0.5	Very Slight	15
9	Floor Staircase Third Floor	Inclined	1	1	Slight	16
10	Wall No. 1 Staircase SF to TF Second Floor	Inclined	1	1	Slight	17
11	Wall No. 2 Staircase FF to SF First Floor	Vertical	0.5	2	Very Slight	18
12	Wall No. 2 Staircase GF to FF Ground Floor	Inclined	0.3	2	Very Slight	19
13	Wall No. 1 Staircase GF to FF Ground Floor	Inclined	0.5	2	Very Slight	20
14	Roof Varanda Shop No. 37, Ground Floor	Inclined	1	1	Slight	21
15	Left side External Column Varanda Shop No. 39, Ground Floor	Inclined	1	2	Slight	22
16	Left side External Column Varanda Shop No. 39, Ground Floor	Vertical	5	1	Moderate	23

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
17	Wall No. 4 Hall No. 1 First Floor	Dampness/Seepage	24
18	Wall No. 4 Hall No. 1 First Floor	Dampness/Seepage	25
19	Roof & 4 Lobby Second Floor	Dampness/Seepage	26
20	Roof Staircase Second Floor	Dampness/Seepage	27
21	Wall No. 4 Hall No. 1 Second Floor	Dampness/Seepage	28
22	Wall No. 4 Hall No. 1 Second Floor	Dampness/Seepage	29
23	Wall No. 4 Hall No. 1 Second Floor	Dampness/Seepage	30
24	Wall No. 4 & Roof Toilet No. 1 Second Floor	Dampness/Seepage	31
25	Wall No. 2 & 3 Room No. 2 Third Floor	Dampness/Seepage	32
26	Wall No. 1 & 4 Room No. 2 Third Floor	Dampness/Seepage	33
27	Roof Room No. 2 Third Floor	Peeling of Plaster	34
28	Roof Room No. 1 Third Floor	Peeling of Plaster	35
29	Roof Room No. 1 Third Floor	Peeling of Plaster	36
30	Roof Bathroom Third Floor	Dampness/Seepage	37
31	Wall No. 2 Bathroom Third Floor	Dampness/Seepage	38
32	Wall No. 1 Staircase SF to TF Second Floor	Dampness/Seepage	39
33	Wall No. 1 Staircase GF to FF Ground Floor	Dampness/Seepage	40
34	Front side Wall Building Second Floor	Dampness/Seepage	41
35	Roof Varanda Shop No. 37, Ground Floor	Dampness/Seepage	42
36	Beam Varanda Shop No. 39, Ground Floor	Peeling of Plaster	43
37	Roof Varanda Shop No. 39, Ground Floor	Dampness/Seepage	44

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 4 Hall No. 1 First Floor	Half Portion Covered with Almira	45
2	Wall No. 2 Hall No. 1 First Floor	Half Portion Covered with Almira	46
3	Wall No. 3 Hall No. 1 First Floor	Half Portion Covered with Almira	47
4	Wall No. 4 H.No.311 First Floor	View of Office No.2	48
5	Wall No. 3 Hall No. 1 Second Floor	Covered with Almira	49
6	All Walls Toilet No. 1 Second Floor	Covered with Tiles	50
7	All Walls Room No. 1 Second Floor	Covered with Material	51
8	All Walls Bathroom Second Floor	Covered with Tiles	52
9	Room No. 3 Third Floor	Locked	53
10	Room No. 4 Third Floor	Locked	54
11	Wall No. 2 & 4 Part A of Shop No.37 Ground Floor	Covered with wooden work	55
12	All Walls Shop No.39 Ground Floor	Covered with Material	56



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of H. No.311 Above Shop no.37 to 39



Photo 2

View of Office, First Floor



Photo 3

View of Shop No.37 Pooran Mal Jagdish Prasad, Ground Floor



Photo 4

View of Shop Part B, Shop No. 37, Ground Floor



Photo 5

View of shop no.39, Ground Floor



Photo 6

View of Shop No.38 NBT Limited, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of shop No. 38, Ground Floor



Photo 8
Inclined Crack on Wall No. 1 & Roof of Staircase, Second Floor
Approx. Width = 0.6mm, Approx. Length = 1m.
Distance from Wall no.2 = 1m, Height from Floor = 2.5m.



Photo 9
Inclined Crack on Wall No. 4 of Hall No. 1, Second Floor
Approx. Width = 0.3mm, Approx. Length = 1m.



Photo 10
Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor
Approx. Width = 0.3mm, Approx. Length = 1m.

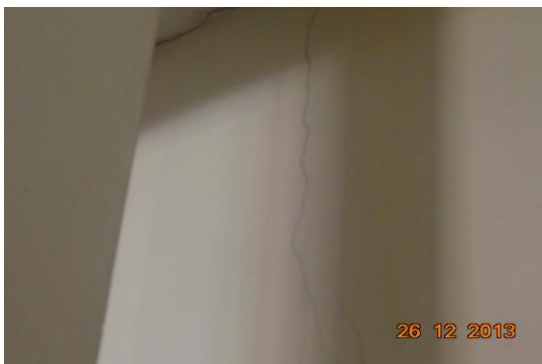


Photo 10A
Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor
Approx. Width = 0.3mm, Approx. Length = 1m.

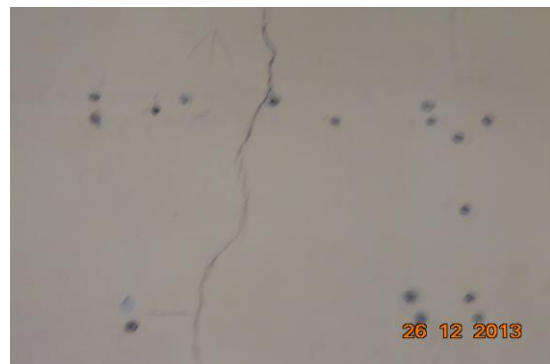


Photo 10A
Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor
Approx. Width = 0.3mm, Approx. Length = 1m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Wall No. 1 & Roof of Hall No. 1, Second Floor
Approx. Width = 2mm, Approx. Length = 1m.



Photo 11A

Inclined Crack on Wall No. 1 & Roof of Hall No. 1, Second Floor
Approx. Width = 2mm, Approx. Length = 1m.



Photo 12

Inclined Crack on Roof of Room No. 1, Third Floor
Approx. Width = 2mm, Approx. Length = 1m.



Photo 13

Horizontal Crack on Roof of Bathroom Third Floor
Approx. Width = 1mm, Approx. Length = 0.5m.
Distance from Wall no.3 = 0m, Height from Floor = 2.5m.



Photo 14

Horizontal Crack on Roof of Bathroom Third Floor
Approx. Width = 1mm, Approx. Length = 0.5m.
Distance from Wall no.4 = 0m, Height from Floor = 2.5m.



Photo 15

Horizontal Crack on Roof of Bathroom Third Floor
Approx. Width = 0.8mm, Approx. Length = 0.5m.
Distance from Wall No.4 = 0m, Height from Floor = 2.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

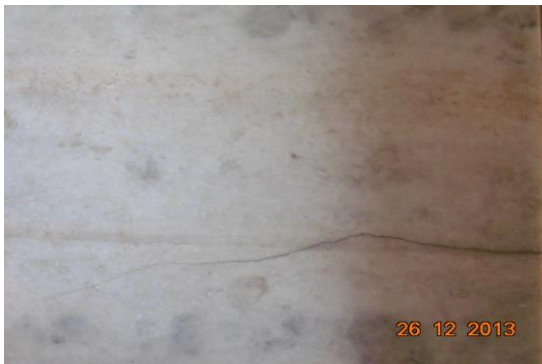


Photo 16
Inclined Crack on Floor of Staircase, Third Floor
Approx. Width = 1mm, Approx. Length = 1m.



Photo 17
Inclined Crack on Wall No. 1 of Staircase SF to TF, Second Floor
Approx. Width = 1mm, Approx. Length = 1m.



Photo 18
Vertical Crack on Wall No. 2 of Staircase FF to SF, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.



Photo 19
Inclined Crack on Wall No. 2 of Staircase GF to FF, Ground Floor
Approx. Width = 0.3mm, Approx. Length = 2m.



Photo 20
Inclined Crack on Wall No. 1 of Staircase GF to FF, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 2m.



Photo 21
Inclined Crack on Roof of Varanda, Shop No. 37, Ground Floor
Approx. Width = 1mm, Approx. Length = 1m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 22

Inclined Crack on Left side External Column of Varanda, Shop No. 39, Ground Floor

Approx. Width = 1mm, Approx. Length = 2m.

Distance from Left side External Column = 0m. Height from Floor = 1m.



Photo 23

Vertical Crack on Left side External Column of Varanda, Shop No. 39, Ground Floor

Approx. Width = 5mm, Approx. Length = 1m.

Distance from = m. Height from Floor = m.



Photo 24

Dampness/Seepage on Wall No. 4 of Hall No. 1 of First Floor



Photo 25

Dampness/Seepage on Wall No. 4 of Hall No. 1 of First Floor



Photo 26

Dampness/Seepage on Roof & 4 of Lobby of Second Floor



Photo 27

Dampness/Seepage on Roof of Staircase of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 28

Dampness/Seepage on Wall No. 4 of Hall No. 1 of Second Floor



Photo 29

Dampness/Seepage on Wall No. 4 of Hall No. 1 of Second Floor



Photo 30

Dampness/Seepage on Wall No. 4 of Hall No. 1 of Second Floor



Photo 31

Dampness/Seepage on Wall No. 4 & Roof of Toilet No. 1 of Second Floor



Photo 32

Dampness/Seepage on Wall No. 2 & 3 of Room No. 2 of Third Floor



Photo 33

Dampness/Seepage on Wall No. 1 & 4 of Room No. 2 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34
Peeling of Plaster on Roof of Room No. 2 of Third Floor



Photo 35
Peeling of Plaster on Roof of Room No. 1 of Third Floor



Photo 36
Peeling of Plaster on Roof of Room No. 1 of Third Floor



Photo 37
Dampness/Seepage on Roof of Bathroom of Third Floor



Photo 38
Dampness/Seepage on Wall No. 2 of Bathroom of Third Floor



Photo 39
Dampness/Seepage on Wall No. 1 of Staircase SF to TF of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40

Dampness/Seepage on Wall No. 1 of Staircase GF to FF of Ground Floor

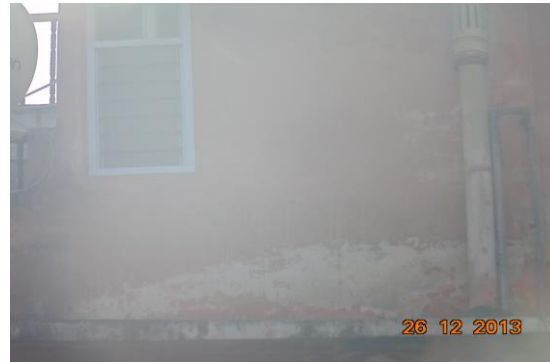


Photo 41

Dampness/Seepage on Front side Wall of Building of Second Floor



Photo 42

Dampness/Seepage on Roof of Varanda of Shop No. 37, Ground Floor



Photo 43

Peeling of Plaster on Beam of Varanda of Shop No. 39, Ground Floor



Photo 44

Dampness/Seepage on Roof of Varanda of Shop No. 39, Ground Floor



Photo 45

Wall No. 4 of Hall No. 1 of First Floor Half Portion Covered with Almira

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 46

Wall No. 2 of Hall No. 1 of First Floor Half Portion Covered with Almira



Photo 47

Wall No. 3 of Hall No. 1 of First Floor Half Portion Covered with Almira



Photo 48

Wall No. 4 of H.No.311 of First Floor View of Office No.2



Photo 49

Wall No. 3 of Hall No. 1 of Second Floor Covered with Almira



Photo 50

All Walls of Toilet No. 1 of Second Floor Covered with Tiles

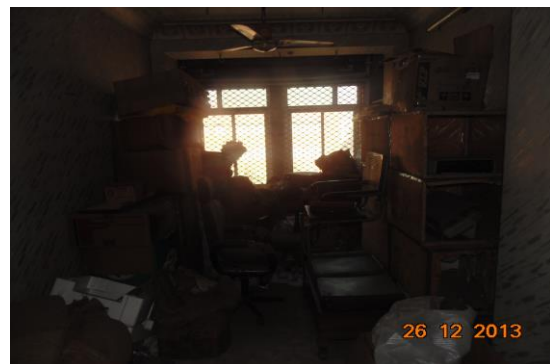


Photo 51

All Walls of Room No. 1 of Second Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 52

All Walls of Bathroom of Second Floor Covered with Tiles



Photo 53

Room No. 3 of Third Floor Locked



Photo 54

Room No. 4 of Third Floor Locked



Photo 55

Wall No. 2 & 4 of Part A of Shop No. 37 of Ground Floor Covered with wooden work



Photo 56

All Walls of Shop No. 39 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 306, Shop No. 40
41, Ramganj Market
Jaipur
Unique ID: BC RA DN 0020

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0020/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	31/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1848 and is 165 years old.

There are 33 defects in the structure out of which 3 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	33.33%
Slight (1 to 5mm)	1	33.33%
Moderate (5 to 15mm)	1	33.33%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 3.77mm and average length of cracks is 2.17m. The maximum crack width is 10mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0020-40	Indian Purse & Bags		
BC-RA/DL/0020-FF	House No. 306		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 306, Shop No. 40
2	Building Address	House No. 306, Shop No. 40 41, Ramganj Market Jaipur
3	Year of Construction	1848
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	165 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Beam Varanda Shop No.40, Ground Floor	Horizontal	10	2	Moderate	5
2	Roof Varanda Shop No.40, Ground Floor	Horizontal	1	2.5	Slight	6
3	Roof Varanda Shop No.40, Ground Floor	Inclined	0.3	2	Very Slight	7

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
4	Roof Varanda Shop No.40, Ground Floor	Dampness/Seepage	8
5	Roof Shop No.40 Ground Floor	Peeling of Plaster	9
6	Wall No. 4 & Roof Room No. 1 First Floor	Dampness/Seepage	10
7	Wall No. 2 Room No. 2 First Floor	Peeling of Plaster	11
8	Roof Room No. 1 Second Floor	Peeling of Plaster	12
9	Roof Varanda Second Floor	Dampness/Seepage	13
10	Roof Varanda Second Floor	Dampness/Seepage	14
11	Wall No. 1 Second Floor	Dampness/Seepage	15
12	Wall No. 4 Second Floor	Peeling of Plaster	16
13	Wall No. 2 & 4 Room No. 2 Second Floor	Peeling of Plaster	17
14	Wall No. 1, 2 & Roof Stair SF to TF Second Floor	Peeling of Plaster	18
15	Roof Second Floor	Dampness/Seepage	19
16	Room No. 1 Third Floor	Damaged Portion	20
17	Wall No. 1, 2 & Roof Bathroom No. 1 Third Floor	Dampness/Seepage	21
18	Wall No. 1, 4, 2 & Roof Toilet No. 1 Third Floor	Dampness/Seepage	22
19	Wall No. 4 Room No. 1 Third Floor	Dampness/Seepage	23
20	Room No. 1 Third Floor	Peeling of Plaster	24
21	Wall No. 3 Room No. 1 Third Floor	Dampness/Seepage	25
22	Wall No. 1, 3, 4 & Roof Room No. 2 Third Floor	Dampness/Seepage	26
23	Wall No. 2 & Roof Room No. 2 Third Floor	Dampness/Seepage	27
24	Wall No. 1, 4 & Roof Room No. 2 Third Floor	Dampness/Seepage	28
25	Roof Room No. 2 Third Floor	Peeling of Plaster	29
26	Wall No. 2 Room No. 2 Third Floor	Peeling of Plaster	30
27	Wall No. 2 Room No. 1 Third Floor	Peeling of Plaster	31
28	Wall No. 2 Stair FF to SF Third Floor	Peeling of Plaster	32
29	Wall No. 1, 2 & Roof Stair GF to FF Third Floor	Dampness/Seepage	33
30	Wall No. 1, 2 & Roof Stair GF to FF Third Floor	Dampness/Seepage	34
31	Roof Third Floor	Peeling of Plaster	35
32	Outer Wall SF External Hazard	Damaged Portion	36
33	Outer Wall Third Floor	Peeling of Plaster	37

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No.40 Ground Floor	Covered with Material	38
2	Wall No. 4 Room No. 2 First Floor	Covered with Wood	39
3	Wall No. 2 & 4 Room No. 3 First Floor	Covered with Wood	40
4	Wall No. 1, 4 & 2 Bathroom No. 1 Third Floor	Covered with Tiles	41

5	Wall No. 1, 2 & 4 Toilet No. 1 Third Floor	Covered with Tiles	42
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Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Shop No.40 Indian Purse & Begg, Ground Floor



Photo 3
View of Room No. 1, First Floor



Photo 4
Tinshed, Third Floor



Photo 5
Horizontal Crack on Beam of Varanda, Shop No.40, Ground Floor,
Approx. Width = 10mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 6
Horizontal Crack on Roof of Varanda, Shop No. 40, Ground Floor,
Approx. Width = 1mm, Approx. Length = 2.5m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Roof of Varanda, Shop No. 40, Ground Floor, Approx.
Width = 0.3mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 8

Dampness/Seepage on Roof of Varanda of Shop No.40, Ground Floor



Photo 9

Peeling of Plaster on Roof of Shop No.40 of Ground Floor



Photo 10

Dampness/Seepage on Wall No. 4 & Roof of Room No. 1 of First Floor



Photo 11

Peeling of Plaster on Wall No. 2 of Room No. 2 of First Floor



Photo 12

Peeling of Plaster on Roof of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Dampness/Seepage on Roof of Varanda of Second Floor



Photo 14
Dampness/Seepage on Roof of Varanda of Second Floor



Photo 15
Dampness/Seepage on Wall No. 1 of Second Floor

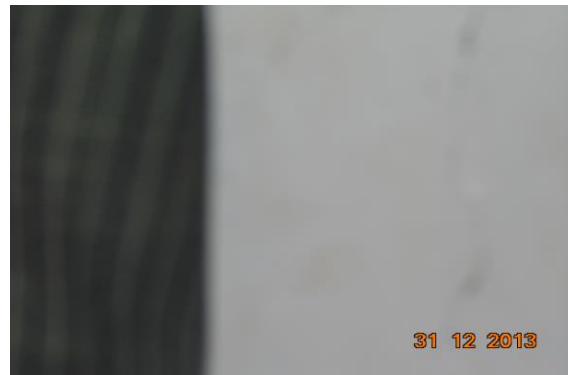


Photo 16
Peeling of Plaster on Wall No. 4 of Second Floor



Photo 17
Peeling of Plaster on Wall No. 2 & 4 of Room No. 2 of Second Floor



Photo 18
Peeling of Plaster on Wall No. 1, 2 & Roof of Stair SF to TF of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19
Dampness/Seepage on Roof of Second Floor



Photo 20
Damaged Portion on Room No. 1 of Third Floor



Photo 21
Dampness/Seepage on Wall No. 1, 2 & Roof of Bathroom No. 1 Third Floor



Photo 22
Dampness/Seepage on Wall No. 1, 4, 2 & Roof of Toilet No. 1 of Third Floor



Photo 23
Dampness/Seepage on Wall No. 4 of Room No. 1 of Third Floor



Photo 24
Peeling of Plaster on Room No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25
Dampness/Seepage on Wall No. 3 of Room No. 1 of Third Floor



Photo 26
Dampness/Seepage on Wall No. 1, 3, 4 & Roof of Room No. 2 of Third Floor



Photo 27
Dampness/Seepage on Wall No. 2 & Roof of Room No. 2 of Third Floor



Photo 28
Dampness/Seepage on Wall No. 1, 4 & Roof of Room No. 2 of Third Floor



Photo 29
Peeling of Plaster on Roof of Room No. 2 of Third Floor



Photo 30
Peeling of Plaster on Wall No. 2 of Room No. 2 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

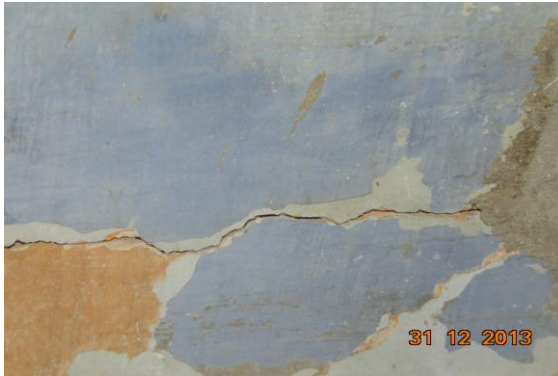


Photo 31
Peeling of Plaster on Wall No. 2 of Room No. 1 of Third Floor



Photo 32
Peeling of Plaster on Wall No. 2 of Stair FF to SF of Third Floor



Photo 33
Dampness/Seepage on Wall No. 1, 2 & Roof of Stair GF to FF of Third Floor



Photo 34
Dampness/Seepage on Wall No. 1, 2 & Roof of Stair GF to FF of Third Floor



Photo 35
Peeling of Plaster on Roof of Third Floor



Photo 36
Damaged Portion on Outer Wall of SF External Hazard

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 37
Peeling of Plaster on Outer Wall of Third Floor



Photo 38
All Walls of Shop No.40 of Ground Floor Covered with Material



Photo 39
Wall No. 4 of Room No. 2 of First Floor Covered with Wood



Photo 40
Wall No. 2 & 4 of Room No. 3 of First Floor Covered with Wood



Photo 41
Wall No. 1, 4 & 2 of Third Floor of Bathroom No. 1 Covered with Tiles



Photo 42
Wall No. 1, 2 & 4 of Toilet No. 1 of Third Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 304, Shop No. 41
41, Ramganj Market
Jaipur
Unique ID: BC RA DN 0021

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0021/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Akeel Ahmed
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1978 and is 35 years old.

There are 24 defects in the structure out of which 7 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	3	42.86%
Slight (1 to 5mm)	2	28.57%
Moderate (5 to 15mm)	2	28.57%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 2.36mm and average length of cracks is 1.39m. The maximum crack width is 5mm and minimum width is 0.25mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0021-41	Ashok Kumar Keval Ram		
BC-RA/DL/0021-FF-SF	House No. 304		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 304, Shop No. 41
2	Building Address	House No. 304, Shop No. 41 41, Ramganj Market Jaipur
3	Year of Construction	1978
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	35 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Lobby First Floor	Inclined	0.25	0.7	Very Slight	4, 4A
2	Wall No. 4 Lobby Second Floor	Inclined	0.35	1	Very Slight	5, 5A
3	Wall No. 4 Open Sky External Façade	Inclined	4	2	Slight	6
4	Shade Open Sky External Façade	Horizontal	5	1	Moderate	7
5	Beam Left Side Shop No.41 Ground Floor	Inclined	0.9	1	Very Slight	8
6	Beam Rightside Shop No.41 Ground Floor	Inclined	1	2	Slight	9
7	Roof Varanda Shop No.41, Ground Floor	Inclined	5	2	Moderate	10

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
8	Floor Varanda First Floor	Damaged Portion	11
9	Roof Varanda First Floor	Peeling of Plaster	12
10	Wall No. 4 Lobby First Floor	Peeling of Plaster	13
11	Roof Lobby Second Floor	Peeling of Plaster	14
12	Wall No. 2 & 3 Lobby Second Floor	Peeling of Plaster	15
13	Steps Staircase SF to TF Second Floor	Damaged Portion	16
14	Wall No. 3 Open Sky External Façade	Damaged Portion	17
15	Wall No. 3 Open Sky External Façade	Peeling of Plaster	18
16	Roof Toilet No. 1 External Façade	Peeling of Plaster	19
17	Wall No. 4 & Shade Open Sky External Façade	Peeling of Plaster	20
18	Wall No. 2 Room No. 1 External Façade	Peeling of Plaster	21
19	Roof Room No. 1 External Façade	Peeling of Plaster	22
20	Roof Staircase GF to FF	Peeling of Plaster	23
21	Wall No. 1 Staircase GF to FF	Damaged Portion	24
22	Wall No. 2 & Roof Staircase GF to FF	Damaged Portion	25
23	Roof Varanda Shop No.41, Ground Floor	Peeling of Plaster	26
24	Roof Part B of Shop No.42 Ground Floor	Damaged Portion	27

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 4 Toilet No. 1 First Floor	Covered with Tiles	28
2	All Walls Part A of Shop No.41 Ground Floor	Covered with Material	29
3	All Walls Part B of Shop No.41 Ground Floor	Covered with Material	30
4	Roof Part of a Shop No.41 Ground Floor	Covered with wooden work	31

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of H.No.304 Above Shop 41



Photo 2
View of Room No.1



Photo 3
View of Shop No.41 Ashok Kumar Kewal Ram, Ground Floor



Photo 4
Inclined Crack on Wall No. 4 of Lobby, First Floor
Approx. Width = 0.25mm, Approx. Length = 0.7m.
Distance from Wall No.1 = 1.5m, Height from Floor = 0.05m.



Photo 4A
Inclined Crack on Wall No. 4 of Lobby, First Floor
Approx. Width = 0.25mm, Approx. Length = 0.7m.
Distance from Wall No.1 = 1.5m, Height from Floor = 0.05m.



Photo 5
Inclined Crack on Wall No. 4 of Lobby, Second Floor
Approx. Width = 0.35mm, Approx. Length = 1m.
Distance from Wall No.1 = 1.5m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 5A

Inclined Crack on Wall No. 4 of Lobby, Second Floor
Approx. Width = 0.35mm, Approx. Length = 1m.
Distance from Wall No.1 = 1.5m, Height from Floor = 0m.



Photo 6

Inclined Crack on Wall No. 4 of Open Sky, External Façade
Approx. Width = 4mm, Approx. Length = 2m.



Photo 7

Horizontal Crack on Shade of Open Sky, External Façade
Approx. Width = 5mm, Approx. Length = 1m.



Photo 8

Inclined Crack on Beam Left Side of Shop No.41, Ground Floor
Approx. Width = 0.9mm, Approx. Length = 1m.
Distance from = Leftside external Columnn, Height from Floor = 3m.



Photo 9

Inclined Crack on Beam Rightside of Shop No.41, Ground Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = Rightside External Columnn, Height from Floor = 3m.



Photo 10

Inclined Crack on Roof of Varanda, Shop No.41, Ground Floor
Approx. Width = 5mm, Approx. Length = 2m

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11
Damaged Portion on Floor of Varanda of First Floor



Photo 12
Peeling of Plaster on Roof of Varanda of First Floor



Photo 13
Peeling of Plaster on Wall No. 4 of Lobby of First Floor



Photo 14
Peeling of Plaster on Roof of Lobby of Second Floor



Photo 15
Peeling of Plaster on Wall No. 2 & 3 of Lobby of Second Floor



Photo 16
Damaged Portion on Steps of Staircase SF to TF of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 17
Damaged Portion on Wall No. 3 of Open Sky of External Façade



Photo 18
Peeling of Plaster on Wall No. 3 of Open Sky of External Façade



Photo 19
Peeling of Plaster on Roof of Toilet No. 1 of External Façade



Photo 20
Peeling of Plaster on Wall No. 4 & Shade of Open Sky of External Façade



Photo 21
Peeling of Plaster on Wall No. 2 of Room No. 1 of External Façade



Photo 22
Peeling of Plaster on Roof of Room No. 1 of External Façade

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 23
Peeling of Plaster on Roof of Staircase GF to FF



Photo 24
Damaged Portion on Wall No. 1 of Staircase GF to FF



Photo 25
Damaged Portion on Wall No. 2 & Roof of Staircase GF to FF of



Photo 26
Peeling of Plaster on Roof of Varanda of Shop No.41, Ground Floor



Photo 27
Damaged Portion on Roof of Part B of Shop No.42 of Ground Floor



Photo 28
Wall No. 4 of Toilet No. 1 of First Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29

All Walls of Part of Shop No.41 of Ground Floor Covered with Material



Photo 30

All Walls of Part B of Shop No.41 of Ground Floor Covered with Material



Photo 31

Roof of Part of Shop No.41 of Ground Floor Covered with wooden work

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 302, Shop No. 42
42, Ramganj Market
Jaipur
Unique ID: BC RA DN 0022

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0022/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1993 and is 20 years old.

There are 11 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0022-42	Lavisa Foot Style		
BC-RA/DL/0022-F-SF	House No. 302		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 302, Shop No. 42
2	Building Address	House No. 302, Shop No. 42 42, Ramganj Market Jaipur
3	Year of Construction	1993
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	20 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Wall No. 2, 4 & Corner Room No. 1 First Floor	Peeling of Plaster	6
2	Floor & Entry Gate Hall No. 1 Second Floor	Peeling of Plaster	7
3	Wall No. 2, 4 & Roof Hall No. 1 Second Floor	Dampness/Seepage	8
4	Wall No. 1, 1 & Shade H.NO.302 Second Floor	Peeling of Plaster	9
5	Wall No. 2 & 4 Bathroom Third Floor	Peeling of Plaster	10
6	Roof Toilet No. 1 Third Floor	Dampness/Seepage	11
7	Wall No. 4 Hall No. 1 Third Floor	Dampness/Seepage	12
8	Roof Room No. 1 Third Floor	Dampness/Seepage	13
9	Roof H.NO.302 Third Floor	Peeling of Plaster	14
10	Roof Varanda Shop No.42, Ground Floor	Peeling of Plaster	15
11	Beam Varanda Shop No.42, Ground Floor	Dampness/Seepage	16

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1, 2 & 4 Bathroom Third Floor	Half Covered with Tiles	17
2	Wall No. 1, 2 & 4 Toilet No. 1 Third Floor	Half Covered with Tiles	18
3	All Walls Shop No.42 Ground Floor	Covered with Material	19
4	Wall No. 2 Shop No.42 Ground Floor	Covered with Material	20

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of House No.302 Above Shop No.42



Photo 2

View of Hall, First Floor



Photo 3

View of Tinshed Hall, Third Floor



Photo 4

View of Kitchen, Third Floor



Photo 5

View of Shop No.42 Lavish Foot Style, Ground Floor



Photo 6

Peeling of Plaster on Wall No. 2, 4 & Corner of Room No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Peeling of Plaster on Floor & Entry Gate of Hall No. 1 of Second Floor



Photo 8

Dampness/Seepage on Wall No. 2, 4 & Roof of Hall No. 1 of Second Floor



Photo 9

Peeling of Plaster on Wall No. 1 & Shade of H.NO.302 of Second Floor



Photo 10

Peeling of Plaster on Wall No. 2 & 4 of Bathroom of Third Floor



Photo 11

Dampness/Seepage on Roof of Toilet No. 1 of Third Floor



Photo 12

Dampness/Seepage on Wall No. 4 of Hall No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Dampness/Seepage on Roof of Room No. 1 of Third Floor



Photo 14
Peeling of Plaster on Roof of H.NO.302 of Third Floor



Photo 15
Peeling of Plaster on Roof of Varanda of Shop No.42, Ground Floor



Photo 16
Dampness/Seepage on Beam of Varanda of Shop No.42, Ground Floor



Photo 17
Wall No. 1, 2 & 4 of Bathroom of Third Floor Half Covered with Tiles



Photo 18
Wall No. 1, 2 & 4 of Toilet No. 1 of Third Floor Half Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

All Walls of Shop No.42 of Ground Floor Covered with Material



Photo 20

Wall No. 2 of Shop No.42 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 43
Ramganj Market
Jaipur
Unique ID: BC RA DN 0023

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0023/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Nazeer Ahmed
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Single Story Load Bearing Structure . The structure was constructed in year 1978 and is 35 years old.

There are 4 defects in the structure out of which 2 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.45mm and average length of cracks is 1.5m. The maximum crack width is 0.5mm and minimum width is 0.4mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0023-43	Shop No. 43		
BC-RA/DL/0023-FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 43
2	Building Address	Shop No. 43 Ramganj Market Jaipur
3	Year of Construction	1978
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	35 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Outside Beam Varanda of Shop No.43 Ground Floor	Inclined	0.5	1	Very Slight	4
2	Roof Varanda of Shop No.43 Ground Floor	Horizontal	0.4	2	Very Slight	5

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
3	Beam Varanda of Shop No.43 Ground Floor	Dampness/Seepage	6
4	Roof Varanda of Shop No.43 Ground Floor	Dampness/Seepage	7

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Part a of Shop No.43 Ground Floor	Covered with Material	8
2	Roof Part a of Shop No.43 Ground Floor	Covered with False Ceiling	9
3	House above Shop No.43	Locked	10

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2

View of Shop No.43 Dulhan, Ground Floor



Photo 3

View of Shop part B



Photo 4

Inclined Crack on Outside Beam of Varanda of Shop No.43, Ground Floor Approx. Width = 0.5mm, Approx. Length = 1m. Distance from = m, Height from Floor = m.



Photo 5

Horizontal Crack on Roof of Varanda of Shop No.43, Ground Floor Approx. Width = 0.4mm, Approx. Length = 2m. Distance from Leftside External Column = 0m, Height from Floor = 3m.



Photo 6

Dampness/Seepage on Beam of Varanda of Shop No.43 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Dampness/Seepage on Roof of Varanda of Shop No.43 of Ground Floor All Walls of Part A of Shop No.43 of Ground Floor Covered with Material



Photo 8



Photo 9

Roof of Part A of Shop No.43 of Ground Floor Covered with Falls Ceiling



Photo 10

House above of Shop No.43 Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 299, Shop No. 44
44, Ramganj Market
Jaipur
Unique ID: BC RA DN 0024

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0024/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1763 and is 250 years old.

There are 26 defects in the structure out of which 4 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	1	25%	Required
Slight (1 to 5mm)	2	50%	Required
Moderate (5 to 15mm)	1	25%	Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

The average width of cracks is 3.32mm and average length of cracks is 1.5m. The maximum crack width is 10mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0024-44	Babu Khokhar Auto Store		
BC-RA/DL/0024-FF-SF	House No. 299		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 299, Shop No. 44
2	Building Address	House No. 299, Shop No. 44 44, Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	9, 9A
1	Wall No. 1 Kitchen First Floor	Inclined	2	2	Slight	10
2	Wall No. 1 Kitchen First Floor	Inclined	0.3	1	Very Slight	11, 11A
3	Roof Kitchen First Floor	Inclined	1	2	Slight	12, 12A
4	Wall No. Leftside Shade front wall H.no.299 First Floor	Inclined	10	1	Moderate	13

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
5	Roof Lobby First Floor	Damaged Portion	14
6	Wall No. 1, 4 & Roof Lobby First Floor	Dampness/Seepage	15
7	Wall No. 2 & 4 Lobby First Floor	Damaged Portion	16
8	Wall No. 1 Passage First Floor	Peeling of Plaster	17
9	Wall No. 4 Passage First Floor	Peeling of Plaster	18
10	Roof Passage First Floor	Peeling of Plaster	19
11	Roof Varanda First Floor	Damaged Portion	20
12	Wall No. 4 Varanda First Floor	Damaged Portion	21
13	Wall No. Floor Kitchen First Floor	Peeling of Plaster	22
14	Roof Kitchen First Floor	Peeling of Plaster	23
15	Wall No. 4 Kitchen First Floor	Peeling of Plaster	24
16	Roof Lobby Second Floor	Peeling of Plaster	25
17	Wall No. 1 & 4 Lobby Second Floor	Peeling of Plaster	26
18	Wall No. 2 Varanda Second Floor	Dampness/Seepage	27
19	Roof Varanda Second Floor	Dampness/Seepage	28
20	Wall No. 1, 3 & Roof Kitchen Second Floor	Dampness/Seepage	29
21	Wall No. 4 Kitchen Second Floor	Dampness/Seepage	30
22	Wall No. 4 Room No. 1 Second Floor	Dampness/Seepage	31
23	Wall No. 1 Room No. 1 Second Floor	Dampness/Seepage	32
24	Wall No. Wall No. Staircase FF to SF Second Floor	Peeling of Plaster	33
25	Roof Staircase FF to SF Second Floor	Peeling of Plaster	34
26	Wall No. Front Wall H.no.299 Second Floor	Damaged Portion	35

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Part a of Shop No.68 Ground Floor	Covered with material	36
2	All Walls Part b of Shop No.68	Covered with material	37
3	Wall No. 2 Varanda First Floor	Covered with Material	38
4	Wall No. 1 Varanda First Floor	Covered with Material	39
5	Wall No. 2 Kitchen First Floor	Covered with Material	40
6	Wall No. Floor Room No. 1 Second Floor	Covered With marble	41
7	Wall No. 1 & 4 Bathroom No. Third Floor	Half Covered With Tiles	42

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Shop Babu Khokhar auto Center



Photo 2
Covered with Plastic work, First Floor



Photo 3
View of Room No. 1 - Under Construction, Third Floor



Photo 4
View of Lobby, Third Floor



Photo 5
View of Tinshed Room, Terrace



Photo 6
View of toilet, Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of Toilet No.2, Terrace



Photo 8
View of Terrace, Terrace



Photo 9
View of TinshedRoom No.1, Terrace



Photo 9A
View of TinshedRoom No.1, Terrace



Photo 9A
View of TinshedRoom No.1, Terrace



Photo 10
Inclined Crack on Wall No. 1 of Kitchen, First Floor
Approx. Width = 2mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Wall No. 1 of Kitchen, First Floor
Approx. Width = 0.3mm, Approx. Length = 1m.
Distance from Wall No.1 = 1.5m, Height from Floor = 1.9m.

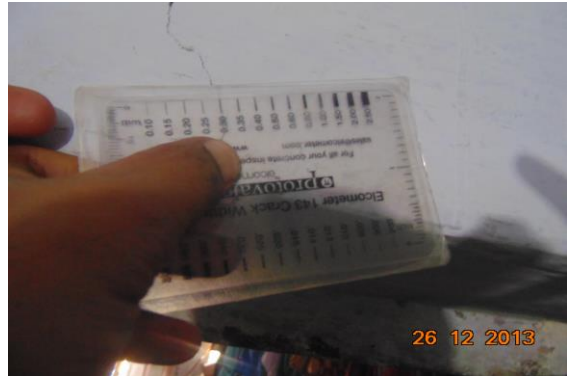


Photo 11A

Inclined Crack on Wall No. 1 of Kitchen, First Floor
Approx. Width = 0.3mm, Approx. Length = 1m.
Distance from Wall No.1 = 1.5m, Height from Floor = 1.9m.



Photo 12

Inclined Crack on Roof of Kitchen, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 12A

Inclined Crack on Roof of Kitchen, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 12A

Inclined Crack on Roof of Kitchen, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 12A

Inclined Crack on Roof of Kitchen, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



PHOTO 13

Inclined Crack on Wall No. Leftside Shade front wall of H.no.299, First Floor

Approx. Width = 10mm, Approx. Length = 1m.
Distance from = m. Height from Floor = m.



Photo 14

Damaged Portion on Roof of Lobby of First Floor



Photo 15

Dampness/Seepage on Wall No. 1, 4 & Roof of Lobby of First Floor



Photo 16

Damaged Portion on Wall No. 2 & 4 of Lobby of First Floor



Photo 17

Peeling of Plaster on Wall No. 1 of Passage of First Floor



Photo 18

Peeling of Plaster on Wall No. 4 of Passage of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19
Peeling of Plaster on Roof of Passage of First Floor



Photo 20
Damaged Portion on Roof of Varanda of First Floor



Photo 21
Damaged Portion on Wall No. 4 of Varanda of First Floor



Photo 22
Peeling of Plaster on Wall No. Floor of Kitchen of First Floor



Photo 23
Peeling of Plaster on Roof of Kitchen of First Floor



Photo 24
Peeling of Plaster on Wall No. 4 of Kitchen of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25
Peeling of Plaster on Roof of Lobby of Second Floor



Photo 26
Peeling of Plaster on Wall No. 1 & 4 of Lobby of Second Floor



Photo 27
Dampness/Seepage on Wall No. 2 of Varanda of Second Floor

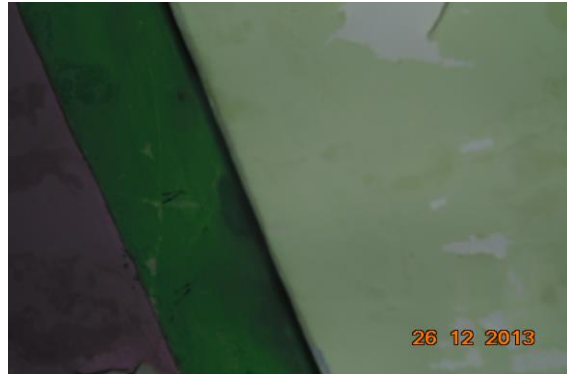


Photo 28
Dampness/Seepage on Roof of Varanda of Second Floor



Photo 29
Dampness/Seepage on Wall No. 1, 3 & Roof of Kitchen of Second Floor



Photo 30
Dampness/Seepage on Wall No. 4 of Kitchen of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31

Dampness/Seepage on Wall No. 4 of Room No. 1 of Second Floor



Photo 32

Dampness/Seepage on Wall No. 1 of Room No. 1 of Second Floor



Photo 33

Peeling of Plaster on Wall No. of Staircase FF to SF of Second Floor



Photo 34

Peeling of Plaster on Roof of Staircase FF to SF of Second Floor



Photo 35

Damaged Portion on Wall No. Front Wall of H.no.299 of Second Floor



Photo 36

All Walls of Part a of Shop No.68 of Ground Floor Covered with material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 37

All Walls of Part b of Shop No.68 of Covered with material



Photo 38

Wall No. 2 of Varanda of First Floor Covered with Material



Photo 39

Wall No. 1 of Varanda of First Floor Covered with Material



Photo 40

Wall No. 2 of Kitchen of First Floor Covered with Material



Photo 41

Wall No. Floor of Room No. 1 of Second Floor Covered With marble

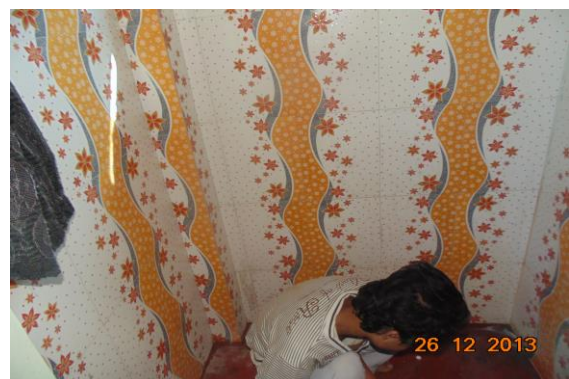


Photo 42

Wall No. 1 & 4 of Bathroom No. of Third Floor Half Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 1 & 2
44, Ramganj Market
Jaipur
Unique ID: BC RA DN 0025

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0025/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having Ground floor. The structure was constructed in year 1900 and is 113 years old.

There are 0 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0025-1	Radhika Silver & Arts		
BC-RA/DL/0025-2	Sodhani Jewellers & Arts		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultants JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 1 & 2
2	Building Address	Shop No. 1 & 2 , Ramganj Market Jaipur
3	Year of Construction	1900
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	113 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No. 2 Ground Floor	Covered with Wooden	3
2	Roof Shop No. 2 Ground Floor	Covered with False Ceiling	4
3	Roof & All Walls Shop No. 1 Ground Floor	Covered with Wooden	5

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Shop, Ground Floor



Photo 2
View of Shop, Ground Floor



Photo 3
All Walls of Shop No. 2 of Ground Floor Covered with Wooden



Photo 4
Roof of Shop No. 2 of Ground Floor Covered with False Ceiling



Photo 5
Roof & All Walls of Shop No. 1 of Ground Floor Covered with Wooden

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 347/ Shop No.1-5/Temple
 , Ramganj Market
 Jaipur
 Unique ID: BC RA DN 0026

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0026/01, Rev. 00, Dated: January 2014

Building Owner
 Contractor

Various Owners
 CEC

Client
 Sub-Contractor

JMRC Limited
 AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1900 and is 113 years old.

There are 96 defects in the structure out of which 7 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	7	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.39mm and average length of cracks is 1.46m. The maximum crack width is 0.5mm and minimum width is 0.2mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0026/1	M/s Rajender Kr. Mahender Kr.		
BC-RA-DL/0026/2	M/s Banshi Lal Laxmi Naryan		
BC-RA-DL/0026/3	M/s Murlidhar Tulshiram		
BC-RA-DL/0026/4	Karim Baks		
BC-RA-DL/0026/5	Not Provided		
BC-RA-DL/0026/GF-TF (A)	H.No. 347		
BC-RA-DL/0026/GF-4th Floor (B)	H.No. 347		
BC-RA-DL/0026/GF-SF (C)	H.No. 347		
BC-RA-DL/0026/Temple	Bhairo Ji		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 347/ Shop No.1-5/Temple
2	Building Address	Ramganj Bazar
3	Year of Construction	1900
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	16m
8	Approximate Area	Not Known
9	Age of Building	113 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 Room No. 1 Part B of House No. 347, Fourth Floor	Horizontal	0.4	1.3	Very Slight	24
2	Wall No. 1 Room No. 1 Part B of House No. 347, Fourth Floor	Horizontal	0.35	0.6	Very Slight	25
3	Wall No. 4 Room No. 1 Part B of House No. 347, Fourth Floor	Inclined	0.2	2.5	Very Slight	26, 26A
4	Wall No. 2 Staircase First Floor to Second Floor First Floor	Horizontal	0.5	0.8	Very Slight	27, 27A
5	Backside Wall Part C of House No. 347 First Floor	Inclined	0.5	2	Very Slight	28
6	Backside Wall Part C of House No. 347 First Floor	Inclined	0.5	2	Very Slight	29
7	Wall No. 2 Hall No. 1 Ground Floor	Inclined	0.3	1	Very Slight	30, 30A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
8	Wall No. 1 Open Sky First Floor	Peeling of Plaster	31
9	Roof Open Sky First Floor	Peeling of Plaster	32
10	Wall No. 1 Staircase First Floor to Second Floor First Floor	Peeling of Plaster	33
11	Wall No. 4 Staircase First Floor to Second Floor First Floor	Peeling of Plaster	34
12	Roof Room No. 2 Part B of House No. 347, Second Floor	Peeling of Plaster	35
13	Wall No. 4 Open Sky Second Floor	Peeling of Plaster	36
14	Wall No. 3 Balcony Second Floor	Peeling of Plaster	37
15	Wall No. 3 Room No. 1 Part B of House No. 347, Third Floor	Peeling of Plaster	38
16	Wall No. 1 Lobby Ground Floor	Peeling of Plaster	39
17	Wall No. 3 Lobby Ground Floor	Peeling of Plaster	40
18	Wall No. 5 Lobby Ground Floor	Peeling of Plaster	41
19	Wall No. 6 Lobby Ground Floor	Peeling of Plaster	42
20	Wall No. 1 Staircase Ground Floor To First Floor Ground Floor	Peeling of Plaster	43
21	Wall No. 2 Balcony First Floor	Dampness/Seepage	44
22	Wall No. 3 Staircase First Floor to Second Floor First Floor	Dampness/Seepage	45
23	Floor Part C of House No. 347 Second Floor	Peeling of Plaster	46
24	Right-side View Part C of House No. 347 First Floor	Damaged Portion	47
25	Rightside View Part C of House No. 347 First Floor	Peeling of Plaster	48
26	External Wall Murlidhar Tulsiram Shop Ground Floor	Peeling of Plaster	49
27	External Wall Murlidhar Tulsiram Shop Ground Floor	Peeling of Plaster	50
28	Wall No. 2 Murlidhar Tulsiram Shop Ground Floor	Peeling of Plaster	51
29	Wall No. 4 Murlidhar Tulsiram Shop	Peeling of Plaster	52
30	Wall No. 2 & 4 Murlidhar Tulsiram Shop	Peeling of Plaster	53
31	Roof Murlidhar Tulsiram Shop	Peeling of Plaster	54
32	Roof Part A Shop No. 4, Ground Floor	Peeling of Plaster	55
33	Wall No. 4 Part A Shop No. 4, Ground Floor	Peeling of Plaster	56
34	Roof Lobby No. 1 House No. 347 Part A, Ground Floor	Peeling of Plaster	57

35	Roof Lobby No. 2 House No. 347 Part A, Ground Floor	Dampness/Seepage	58
36	Roof Lobby No. 2 House No. 347 Part A, Ground Floor	Dampness/Seepage	59
37	Wall No. 2 Lobby No. 2 House No. 347 Part A, Ground Floor	Dampness/Seepage	60
38	Wall No. 4 & Roof Lobby No. 2 House No. 347 Part A, Ground Floor	Dampness/Seepage	61
39	Wall No. 3 Room No. 1 House No. 347 Part A, Ground Floor	Dampness/Seepage	62
40	Roof Room No. 2 House No. 347 Part A, Ground Floor	Dampness/Seepage	63
41	Wall No. 2 Room No. 2 House No. 347 Part A, Ground Floor	Peeling of Plaster	64
42	Wall No. 2 Hall No. 1 House No. 347 Part A, Ground Floor	Dampness/Seepage	65
43	Wall No. 3 Hall No. 1 House No. 347 Part A, Ground Floor	Plaster Crack	66
44	Wall No. 1 Open Sky Area House No. 347 Part A, Ground Floor	Dampness/Seepage	67
45	Wall No. 1 Open Sky Area House No. 347 Part A, Ground Floor	Dampness/Seepage	68
46	Wall No. 1 & Shade Open Sky Area House No. 347 Part A, Ground Floor	Peeling of Plaster	69
47	Wall No. 1 & Shade Open Sky Area House No. 347 Part A, Ground Floor	Peeling of Plaster	70
48	Wall No. 3 Open Sky Area House No. 347 Part A, Ground Floor	Dampness/Seepage	71
49	Wall No. 2, Roof & 1 Store House No. 347 Part A, Ground Floor	Dampness/Seepage	72
50	Wall No. 2 & Roof Stair House No. 347 Part A, Ground Floor to First Floor	Dampness/Seepage	73
51	Wall No. 2 & Roof Stair House No. 347 Part A, Ground Floor to First Floor	Dampness/Seepage	74
52	Steps Stair House No. 347 Part A, Ground Floor to First Floor	Peeling of Plaster	75
53	Wall No. 1 Stair House No. 347 Part A, Ground Floor to First Floor	Peeling of Plaster	76
54	Wall No. 1, 2 & Roof Stair House No. 347 Part A, Ground Floor to First Floor	Dampness/Seepage	77
55	Shade Open Sky Area Balcony House No. 347 Part A, First Floor	Peeling of Plaster	78
56	Wall No. 1 Hall No. 1 House No. 347 Part A, First Floor	Peeling of Plaster	79
57	Wall No. 2 Hall No. 1 House No. 347 Part A, First Floor	Peeling of Plaster	80
58	Wall No. 3, 2 & Roof Open Sky Area House No. 347 Part A, First Floor	Dampness/Seepage	81
59	Wall No. 1 & Shade Open Sky Area House No. 347 Part A, First Floor	Dampness/Seepage	82
60	Wall No. 1 & Shade Open Sky Area House No. 347 Part A, First Floor	Dampness/Seepage	83
61	Wall No. 1 & Shade Open Sky Area House No. 347 Part A, First Floor	Dampness/Seepage	84
62	Wall No. 1, 2 & Roof Stair House No. 347 Part A, First Floor to Second Floor	Dampness/Seepage	85
63	Wall No. 2 Stair House No. 347 Part A, First Floor to Second Floor	Dampness/Seepage	86
64	Wall No. 2 & Roof Stair House No. 347 Part A, First Floor to Second Floor	Dampness/Seepage	87
65	Wall No. 1 Stair House No. 347 Part A, First Floor to Second Floor	Peeling of Plaster	88
66	Wall No. 1 & Roof Stair House No. 347 Part A, First Floor to Second Floor	Peeling of Plaster	89
67	Wall No. 1, 2, 3 & Roof Stair House No. 347 Part A, First Floor to Second Floor	Dampness/Seepage	90
68	Wall No. 1, 3 & Shade Open Sky Area House No. 347 Part A, Second Floor	Dampness/Seepage	91
69	Roof Hall No. 1 House No. 347 Part A, Second Floor	Dampness/Seepage	92
70	Roof Kitchen House No. 347 Part A, Second Floor	Dampness/Seepage	93
71	Wall No. 1 & Roof Store House No. 347 Part A, Second Floor	Dampness/Seepage	94

72	Wall No. 4 & Roof Bathroom No. House No. 347 Part A, Second Floor	Dampness/Seepage	95
73	Floor Balcony No. 3 House No. 347 Part A, Second Floor	Plaster Crack	96
74	Floor Balcony No. 3 House No. 347 Part A, Second Floor	Plaster Crack	97
75	Wall No. 1 Open Sky Area House No. 347 Part A, Second Floor	Dampness/Seepage	98
76	Wall No. 2 Stair House No. 347 Part A, Second Floor to Terrace Floor	Dampness/Seepage	99
77	Wall No. 2 Stair House No. 347 Part A, Second Floor to Terrace Floor	Dampness/Seepage	100
78	Wall No. 2 Stair House No. 347 Part A, Second Floor to Terrace Floor	Peeling of Plaster	101
79	Roof Stair House No. 347 Part A, Second Floor to Terrace Floor	Plaster Crack	102
80	Roof Stair House No. 347 Part A, Second Floor to Terrace Floor	Peeling of Plaster	103
81	Roof Passage House No. 347 Part A, Second Floor	Peeling of Plaster	104
82	Wall No. 1 Passage House No. 347 Part A, Second Floor	Peeling of Plaster	105
83	Wall No. 4 Passage House No. 347 Part A, Second Floor	Plaster Crack	106
84	Wall No. 3 Passage House No. 347 Part A, Second Floor	Plaster Crack	107
85	Roof Lobby House No. 347 Part A, Second Floor	Plaster Crack	108
86	Wall No. 3 Lobby House No. 347 Part A, Second Floor	Plaster Crack	109
87	Roof Toilet No. 1 House No. 347 Part A, Second Floor	Peeling of Plaster	110
88	Wall No. 4 Hall No. 1 House No. 347 Part A, Second Floor	Peeling of Plaster	111
89	Wall No. 1 & 4 Hall No. 1 House No. 347 Part A, Second Floor	Peeling of Plaster	112
90	Wall No. 2 & 4 Hall No. 1 House No. 347 Part A, Second Floor	Peeling of Plaster	113
91	Roof Hall No. 1 House No. 347 Part A, Second Floor	Plaster Crack	114
92	Wall No. 3 Hall No. 1 House No. 347 Part A, Second Floor	Plaster Crack	115
93	Wall No. 1 & Roof Store House No. 347 Part A, Second Floor	Peeling of Plaster	116
94	Floor House No. 347 Terrace	Peeling of Plaster	117
95	Wall No. 1, 2, 3 & Roof House No. 347 Terrace	Dampness/Seepage	118
96	Wall No. 1, 2, 4 & Roof House No. 347 Terrace	Dampness/Seepage	119

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No. 1 Ground Floor	Covered With Wooden Work	120
2	Wall No. 4 & Floor Kitchen Second Floor	Covered With Marble	121
3	Wall No. 1 Room No. 1 Part B of House No. 347, Second Floor	Covered With almira	122
4	All Walls Bathroom Part B of House No. 347, Second Floor	Covered With tiles	123
5	Wall No. 1 Kitchen Third Floor	Covered With Wooden Work	124
6	Wall No. 2 Toilet No. 3 Part B of House No. 347, Third Floor	Covered With Wooden Almira	125
7	Wall No. 1 Toilet No. 2 Part B of House No. 347, Third Floor	Covered With Wooden Almira	126
8	All Walls Toilet No. 1 Part B of House No. 347, Third Floor	Covered With Tiles	127
9	All Walls Store Fourth Floor		128
10	All Walls Toilet No. 1 Part C of House No. 347, Ground Floor	Covered With Tiles	129
11	Wall No. 4 Kitchen First Floor	Covered With Tiles	130
12	Wall No. 1 Room No. 1 Part C of House No. 347, Second Floor	Covered With Parda	131
13	All Walls Temple Ground Floor	Covered With Tiles	132

14	Roof Lobby No. 1 House No. 347 Part A, Ground Floor	Covered With Material	133
15	Wall No. 4 Room No. 1 House No. 347 Part A, Ground Floor	Covered With Almira	134
16	Wall No. 4 Room No. 2 House No. 347 Part A, Ground Floor	Covered With Material	135
17	All Walls Store House No. 347 Part A, First Floor	Covered With Material	136
18	All Walls Toilet & Washroom First Floor	Covered With Tiles	137
19	Hall No. 2 House No. 347 Part A, First Floor	Locked	138
20	Wall No. 3 & 4 Kitchen House No. 347 Part A, Second Floor	Covered With Tiles	139
21	Wall No. 2, 4 & Floor Kitchen House No. 347 Part A, Second Floor	Covered With Tiles	140
22	Wall No. 4 & Floor Bathroom No. House No. 347 Part A, Second Floor	Covered With Tiles	141
23	Wall No. 1 Lobby House No. 347 Part A, Second Floor	Covered With Almira	142
24	All Walls & Floor Toilet No. 1 House No. 347 Part A, Second Floor	Covered With Tiles	143
25	Wall No. 2 Hall No. 1 House No. 347 Part A, Second Floor	Covered With Almira	144
26	Wall No. 4 Store House No. 347 Part A, Second Floor	Covered With Material	145



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2
View of Room No. 1, Ground Floor



Photo 3
Covered With tiles, Part B of House No. 347, Ground Floor



Photo 4
View of Room No.1, Part B of House No. 347, First Floor



Photo 5
View of House No. 347, Fourth Floor



Photo 6
View of House No. 347, Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of Varanda , First Floor



Photo 8
View of House No. 347 Part C, Ground Floor



Photo 9
Ground Floor



Photo 10
View of Shop No. 1, Ground Floor



Photo 11
View of Shop No. 1, Ground Floor

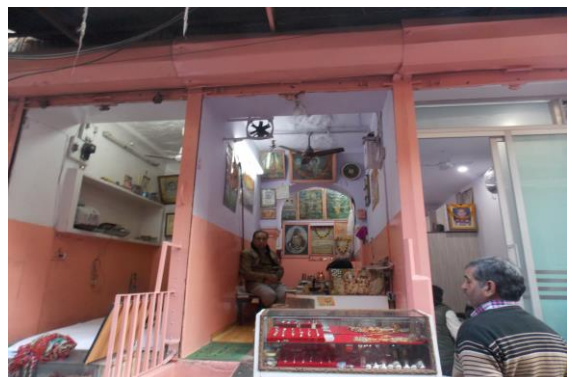


Photo 12
View of Shop No. 2, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

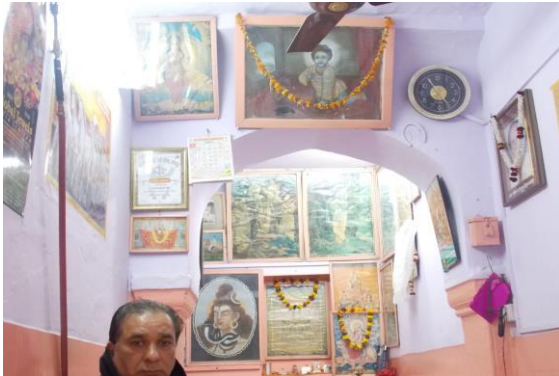


Photo 13
View of Shop No. 2, Ground Floor



Photo 14
View of Shop No. 3, Ground Floor



Photo 15
View of Shop No. 3, Ground Floor



Photo 16
View of Temple, Ground Floor



Photo 17
Ground Floor



Photo 18
Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19
Shop No. 4, Ground Floor



Photo 20
View of Washroom, House No. 347 Part A, Ground Floor



Photo 21
View of Toilet, House No. 347 Part A, Ground Floor



Photo 22
View of Terrace, Terrace



Photo 23
View of House No. 347, Ground Floor



Photo 24
Horizontal Crack on Wall No. 1 of Room No. 1, Part B of House No. 347, Fourth Floor, Approx. Width = 0.4mm, Approx. Length = 1.3m. Distance from Wall No. 4 = 0.6m, Height from Floor = 2.1m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Horizontal Crack on Wall No. 1 of Room No. 1, Part B of House No. 347, Fourth Floor, Approx. Width = 0.35mm, Approx. Length = 0.6m. Distance from Wall No. 1 = 1m, Height from Floor = 2.7m.



Photo 26

Inclined Crack on Wall No. 4 of Room No. 1, Part B of House No. 347, Fourth Floor, Approx. Width = 0.2mm, Approx. Length = 2.5m. Distance from Wall No. 5 = 0.3m, Height from Floor = 0m.



Photo 26A

Inclined Crack on Wall No. 4 of Room No. 1, Part B of House No. 347, Fourth Floor, Approx. Width = 0.2mm, Approx. Length = 2.5m. Distance from Wall No. 5 = 0.3m, Height from Floor = 0m.



Photo 27

Horizontal Crack on Wall No. 2 of Staircase First Floor to Second Floor, First Floor, Approx. Width = 0.5mm, Approx. Length = 0.8m. Distance from Wall No. 4 = 0.9m, Height from Floor = 0.1m.



Photo 27A

Horizontal Crack on Wall No. 2 of Staircase First Floor to Second Floor, First Floor, Approx. Width = 0.5mm, Approx. Length = 0.8m. Distance from Wall No. 4 = 0.9m, Height from Floor = 0.1m.



Photo 28

Inclined Crack on Backside Wall of Part C of House No. 347, First Floor, Approx. Width = 0.5mm, Approx. Length = 2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29

Inclined Crack on Backside Wall of Part C of House No. 347, First Floor, Approx. Width = 0.5mm, Approx. Length = 2m.



Photo 30

Inclined Crack on Wall No. 2 of Hall No. 1, Ground Floor, Approx. Width = 0.3mm, Approx. Length = 1m. Distance from Wall No. 3 = 0.5m, Height from Floor = 0.5m.

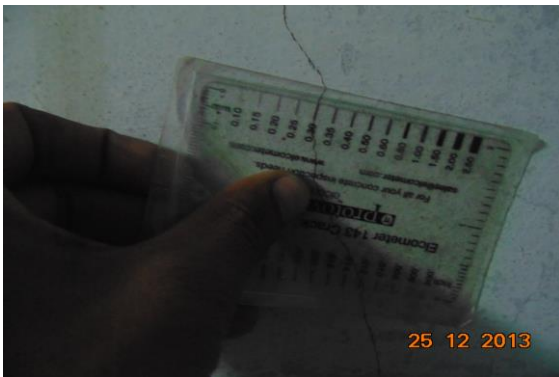


Photo 30A

Inclined Crack on Wall No. 2 of Hall No. 1, Ground Floor, Approx. Width = 0.3mm, Approx. Length = 1m. Distance from Wall No. 3 = 0.5m, Height from Floor = 0.5m.



Photo 31

Peeling of Plaster on Wall No. 1 of Open Sky of First Floor

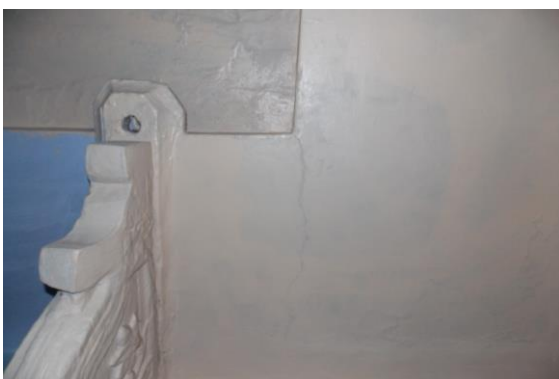


Photo 32

Peeling of Plaster on Roof of Open Sky of First Floor



Photo 33

Peeling of Plaster on Wall No. 1 of Staircase First Floor to Second Floor of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34

Peeling of Plaster on Wall No. 4 of Staircase First Floor to Second Floor of First Floor



Photo 35

Peeling of Plaster on Roof of Room No. 2 of Part B of House No. 347, Second Floor



Photo 36

Peeling of Plaster on Wall No. 4 of Open Sky of Second Floor



Photo 37

Peeling of Plaster on Wall No. 3 of Balcony of Second Floor



Photo 38

Peeling of Plaster on Wall No. 3 of Room No. 1 of Part B of House No. 347, Third Floor



Photo 39

Peeling of Plaster on Wall No. 1 of Lobby of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40
Peeling of Plaster on Wall No. 3 of Lobby of Ground Floor



Photo 41
Peeling of Plaster on Wall No. 5 of Lobby of Ground Floor



Photo 42
Peeling of Plaster on Wall No. 6 of Lobby of Ground Floor



Photo 43
Peeling of Plaster on Wall No. 1 of Staircase Ground Floor To First Floor of Ground Floor



Photo 44
Dampness/Seepage on Wall No. 2 of Balcony of First Floor



Photo 45
Dampness/Seepage on Wall No. 3 of Staircase First Floor to Second Floor of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 46

Peeling of Plaster on Floor of Part C of House No. 347 of Second Floor



Photo 47

Damaged Portion on Rightside View of Part C of House No. 347 of First Floor



Photo 48

Peeling of Plaster on Rightside View of Part C of House No. 347 of First Floor



Photo 49

Peeling of Plaster on External Wall of Murlidhar Tulsiram Shop of Ground Floor



Photo 50

Peeling of Plaster on External Wall of Murlidhar Tulsiram Shop of Ground Floor



Photo 51

Peeling of Plaster on Wall No. 2 of Murlidhar Tulsiram Shop of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 52

Peeling of Plaster on Wall No. 4 of Murlidhar Tulsiram Shop of

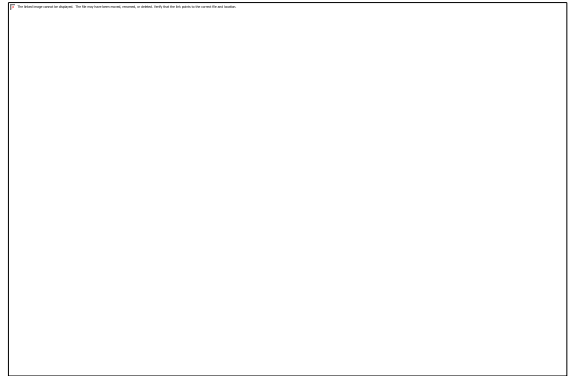


Photo 53

Peeling of Plaster on Wall No. 2 & 4 of Murlidhar Tulsiram Shop of



Photo 54

Peeling of Plaster on Roof of Murlidhar Tulsiram Shop of



Photo 55

Peeling of Plaster on Roof of Part A of Shop No. 4, Ground Floor



Photo 56

Peeling of Plaster on Wall No. 4 of Part A of Shop No. 4, Ground Floor



Photo 57

Peeling of Plaster on Roof of Lobby No. 1 of House No. 347 Part A, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 58

Dampness/Seepage on Roof of Lobby No. 2 of House No. 347 Part A, Ground Floor



Photo 59

Dampness/Seepage on Roof of Lobby No. 2 of House No. 347 Part A, Ground Floor



Photo 60

Dampness/Seepage on Wall No. 2 of Lobby No. 2 of House No. 347 Part A, Ground Floor



Photo 61

Dampness/Seepage on Wall No. 4 & Roof of Lobby No. 2 of House No. 347 Part A, Ground Floor

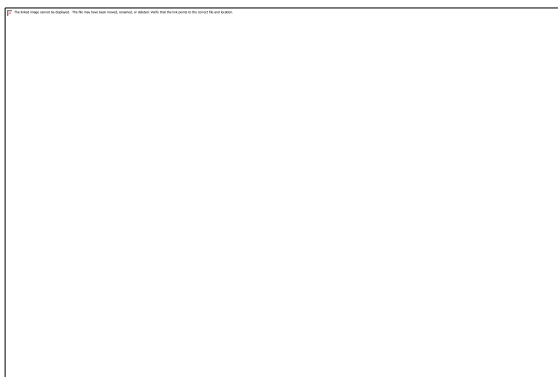


Photo 62

Dampness/Seepage on Wall No. 3 of Room No. 1 of House No. 347 Part A, Ground Floor



Photo 63

Dampness/Seepage on Roof of Room No. 2 of House No. 347 Part A, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 64

Peeling of Plaster on Wall No. 2 of Room No. 2 of House No. 347 Part A, Ground Floor



Photo 65

Dampness/Seepage on Wall No. 2 of Hall No. 1 of House No. 347 Part A, Ground Floor



Photo 66

Plaster Crack on Wall No. 3 of Hall No. 1 of House No. 347 Part A, Ground Floor



Photo 67

Dampness/Seepage on Wall No. 1 of Open Sky Area of House No. 347 Part A, Ground Floor



Photo 68

Dampness/Seepage on Wall No. 1 of Open Sky Area of House No. 347 Part A, Ground Floor



Photo 69

Peeling of Plaster on Wall No. 1 & Shade of Open Sky Area of House No. 347 Part A, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 70

Dampness/Seepage on Wall No. 1 & Shade of Open Sky Area of House No. 347 Part A, Ground Floor



Photo 71

Dampness/Seepage on Wall No. 3 of Open Sky Area of House No. 347 Part A, Ground Floor



Photo 72

Dampness/Seepage on Wall No. 2, Roof & 1 of Store of House No. 347 Part A, Ground Floor



Photo 73

Dampness/Seepage on Wall No. 2 & Roof of Stair of House No. 347 Part A, Ground Floor to First Floor



Photo 74

Dampness/Seepage on Wall No. 2 & Roof of Stair of House No. 347 Part A, Ground Floor to First Floor



Photo 75

Peeling of Plaster on Wall No. Steps of Stair of House No. 347 Part A, Ground Floor to First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 76

Peeling of Plaster on Wall No. 1 of Stair of House No. 347 Part A, Ground Floor to First Floor



Photo 77

Dampness/Seepage on Wall No. 1, 2 & Roof of Stair of House No. 347 Part A, Ground Floor to First Floor



Photo 78

Peeling of Plaster on Shade of Open Sky Area Balcony of House No. 347 Part A, First Floor



Photo 79

Peeling of Plaster on Wall No. 1 of Hall No. 1 of House No. 347 Part A, First Floor



Photo 80

Peeling of Plaster on Wall No. 2 of Hall No. 1 of House No. 347 Part A, First Floor



Photo 81

Dampness/Seepage on Wall No. 3, 2 & Roof of Open Sky Area of House No. 347 Part A, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 82

Dampness/Seepage on Wall No. 1 & Shade of Open Sky Area of House No. 347 Part A, First Floor



Photo 83

Dampness/Seepage on Wall No. 1 & Shade of Open Sky Area of House No. 347 Part A, First Floor



Photo 84

Dampness/Seepage on Wall No. 1 & Shade of Open Sky Area of House No. 347 Part A, First Floor



Photo 85

Dampness/Seepage on Wall No. 1, 2 & Roof of Stair of House No. 347 Part A, First Floor to Second Floor



Photo 86

Dampness/Seepage on Wall No. 2 of Stair of House No. 347 Part A, First Floor to Second Floor



Photo 87

Dampness/Seepage on Wall No. 2 & Roof of Stair of House No. 347 Part A, First Floor to Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 88

Peeling of Plaster on Wall No. 1 of Stair of House No. 347 Part A, First Floor to Second Floor



Photo 89

Peeling of Plaster on Wall No. 1 & Roof of Stair of House No. 347 Part A, First Floor to Second Floor



Photo 90

Dampness/Seepage on Wall No. 1, 2, 3 & Roof of Stair of House No. 347 Part A, First Floor to Second Floor



Photo 91

Dampness/Seepage on Wall No. 1, 3 & Shade of Open Sky Area of House No. 347 Part A, Second Floor



Photo 92

Dampness/Seepage on Roof of Hall No. 1 of House No. 347 Part A, Second Floor



Photo 93

Dampness/Seepage on Roof of Kitchen of House No. 347 Part A, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 94

Dampness/Seepage on Wall No. 1 & Roof of Store of House No. 347 Part A, Second Floor



Photo 95

Dampness/Seepage on Wall No. 4 & Roof of Bathroom No. of House No. 347 Part A, Second Floor



Photo 96

Plaster Crack on Floor of Balcony No. 3 of House No. 347 Part A, Second Floor



Photo 97

Plaster Crack on Floor of Balcony No. 3 of House No. 347 Part A, Second Floor



Photo 98

Dampness/Seepage on Wall No. 1 of Open Sky Area of House No. 347 Part A, Second Floor



Photo 99

Dampness/Seepage on Wall No. 2 of Stair of House No. 347 Part A, Second Floor to Terrace Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 100

Dampness/Seepage on Wall No. 2 of Stair of House No. 347 Part A,
Second Floor to Terrace Floor



Photo 101

Peeling of Plaster on Wall No. 2 of Stair of House No. 347 Part A,
Second Floor to Terrace Floor



Photo 102

Plaster Crack on Roof of Stair of House No. 347 Part A, Second Floor to
Terrace Floor



Photo 103

Peeling of Plaster on Roof of Stair of House No. 347 Part A, Second
Floor to Terrace Floor



Photo 104

Peeling of Plaster on Roof of Passage of House No. 347 Part A, Second
Floor



Photo 105

Peeling of Plaster on Wall No. 1 of Passage of House No. 347 Part A,
Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 106
Plaster Crack on Wall No. 4 of Passage of House No. 347 Part A,
Second Floor



Photo 107
Plaster Crack on Wall No. 3 of Passage of House No. 347 Part A,
Second Floor



Photo 108
Plaster Crack on Roof of Lobby of House No. 347 Part A, Second Floor

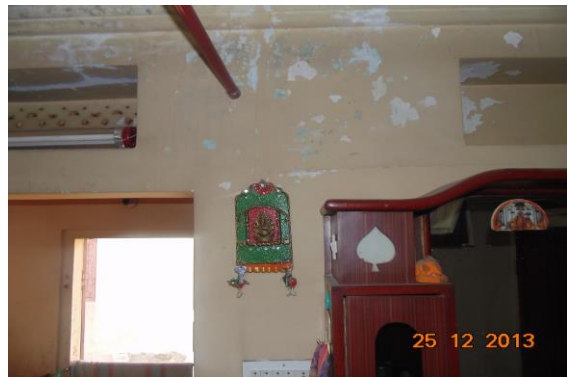


Photo 109
Plaster Crack on Wall No. 3 of Lobby of House No. 347 Part A, Second
Floor

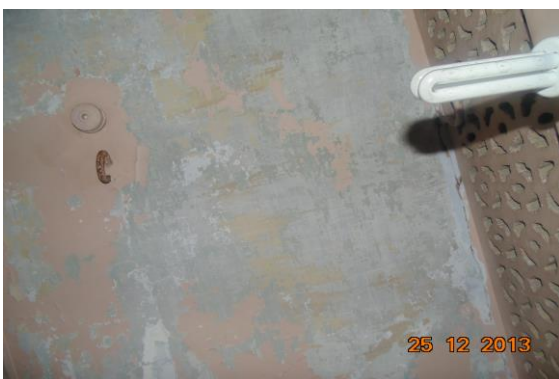


Photo 110
Peeling of Plaster on Roof of Toilet No. 1 of House No. 347 Part A,
Second Floor



Photo 111
Peeling of Plaster on Wall No. 4 of Hall No. 1 of House No. 347 Part A,
Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 112

Peeling of Plaster on Wall No. 1 & 4 of Hall No. 1 of House No. 347 Part A, Second Floor



Photo 113

Peeling of Plaster on Wall No. 2 & 4 of Hall No. 1 of House No. 347 Part A, Second Floor

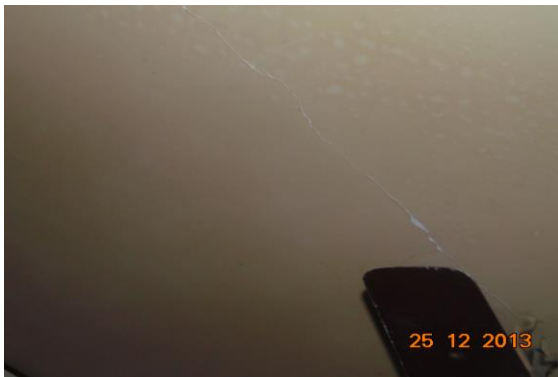


Photo 114

Plaster Crack on Roof of Hall No. 1 of House No. 347 Part A, Second Floor



Photo 115

Plaster Crack on Wall No. 3 of Hall No. 1 of House No. 347 Part A, Second Floor



Photo 116

Peeling of Plaster on Wall No. 1 & Roof of Store of House No. 347 Part A, Second Floor



Photo 117

Peeling of Plaster on Floor of House No. 347 of Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 118

Dampness/Seepage on Wall No. 1, 2, 3 & Roof of House No. 347 of Terrace

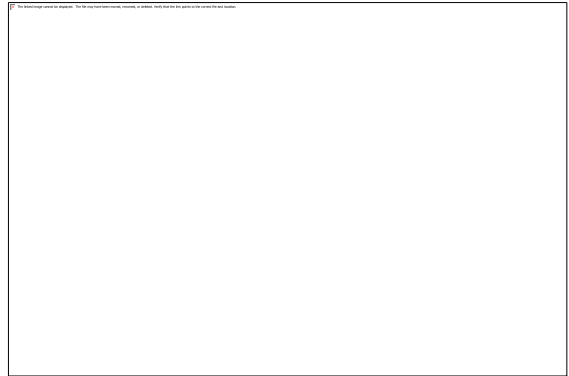


Photo 119

Dampness/Seepage on Wall No. 1, 2, 4 & Roof of House No. 347 of Terrace



Photo 120

All Walls of Shop No. 1 of Ground Floor Covered With Wooden Work



Photo 121

Wall No. 4 & Floor of Kitchen of Second Floor Covered With Marble



Photo 122

Wall No. 1 of Room No. 1 of Part B of House No. 347, Second Floor Covered With almira



Photo 123

All Walls of Bathroom of Part B of House No. 347, Second Floor Covered With tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 124

Wall No. 1 of Kitchen of Third Floor Covered With Wooden Work



Photo 125

Wall No. 2 of Room No. 3 of Part B of House No. 347, Third Floor Covered With Wooden Almira



Photo 126

Wall No. 1 of Room No. 2 of Part B of House No. 347, Third Floor Covered With Wooden Almira

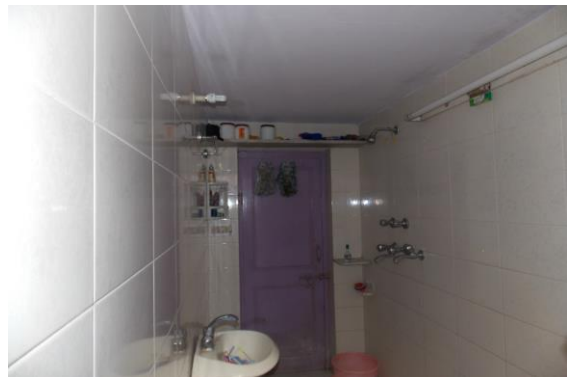


Photo 127

All Walls of Toilet No. 1 of Part B of House No. 347, Third Floor Covered With Tiles



Photo 128

All Walls of Store of Fourth Floor



Photo 129

All Walls of Toilet No. 1 of Part C of House No. 347, Ground Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 130
Wall No. 4 of Kitchen of First Floor Covered With Tiles



Photo 131
Wall No. 1 of Room No. 1 of Part C of House No. 347, Second Floor Covered With Parda



Photo 132
All Walls of Temple of Ground Floor Covered With Tiles



Photo 133
Roof of Lobby No. 1 of House No. 347 Part A, Ground Floor Covered With Material



Photo 134
Wall No. 4 of Room No. 1 of House No. 347 Part A, Ground Floor Covered With Almira



Photo 135
Wall No. 4 of Room No. 2 of House No. 347 Part A, Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 136

All Walls of Store of House No. 347 Part A, First Floor Covered With Material



Photo 137

All Walls of Toilet & Washroom of First Floor Covered With Tiles



Photo 138

Hall No. 2 of House No. 347 Part A, First Floor Locked



Photo 139

Wall No. 3 & 4 of Kitchen of House No. 347 Part A, Second Floor Covered With Tiles



Photo 140

Wall No. 2, 4 & Floor of Kitchen of House No. 347 Part A, Second Floor Covered With Tiles

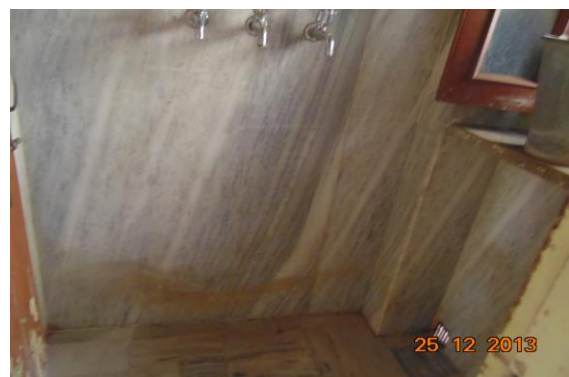


Photo 141

Wall No. 4 & Floor of Bathroom of House No. 347 Part A, Second Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 142

Wall No. 1 of Lobby of House No. 347 Part A, Second Floor Covered With Almira



Photo 143

All Walls & Floor of Toilet No. 1 of House No. 347 Part A, Second Floor Covered With Tiles



Photo 144

Wall No. 2 of Hall No. 1 of House No. 347 Part A, Second Floor Covered With Almira



Photo 145

Wall No. 4 of Store of House No. 347 Part A, Second Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 347, Shop No. 1
44, Ramganj Market
Jaipur
Unique ID: BC RA DN 0027

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0027/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1763 and is 250 years old.

There are 12 defects in the structure out of which 4 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	4	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.29mm and average length of cracks is 1.72m. The maximum crack width is 0.4mm and minimum width is 0.2mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0027-1	Shivam Jewellers		
BC-RA/DL/0027-FF-TF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultants JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 247, Shop No. 1
2	Building Address	House No. 247, Shop No. 1 44, Ramganj Market Jaipur
3	Year of Construction	1998
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	15 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 Room No. 1 Fourth Floor	Horizontal	0.4	1.3	Very Slight	8
2	Wall No. 1 Room No. 1 Fourth Floor	Horizontal	0.35	0.6	Very Slight	9
3	Wall No. 4 Room No. 1 Fourth Floor	Inclined	0.2	2.5	Very Slight	10
4	Wall No. 4 Room No. 1 Fourth Floor	Inclined	0.2	2.5	Very Slight	11

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
5	Wall No. 1 Open Sky First Floor	Peeling of Plaster	12
6	Roof Open Sky First Floor	Peeling of Plaster	13
7	Wall No. 1 Staircase First Floor to Second Floor First Floor	Peeling of Plaster	14
8	Wall No. 4 Staircase First Floor to Second Floor First Floor	Peeling of Plaster	15
9	Roof Room No. 2 Second Floor	Peeling of Plaster	16
10	Wall No. 4 Open Sky Second Floor	Peeling of Plaster	17
11	Wall No. 3 Balcony Second Floor	Peeling of Plaster	18
12	Wall No. 3 Room No. 1 Third Floor	Peeling of Plaster	19

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No. 1 Ground Floor	Covered With Wooden Work	20
2	Wall No. 4 & Floor Kitchen Second Floor	Covered With Marble	21
3	Wall No. 1 Room No. 1 Second Floor	Covered With almira	22
4	All Walls Bathroom No. 1 Second Floor	Covered With tiles	23
5	Wall No. 1 Kitchen Third Floor	Covered With Wooden Work	24
6	Wall No. 2 Toilet No. 3 Third Floor	Covered With Wooden Almira	25
7	Wall No. 1 Toilet No. 2 Third Floor	Covered With Wooden Almira	26
8	All Walls Toilet No. 1 Third Floor	Covered With Tiles	27
9	All Walls Store Fourth Floor	Covered	28
10	All Walls Part B Shop No. 1, Ground Floor	Covered with Wooden Work	29
11	Roof Part B Shop No. 1, Ground Floor	Covered with False Ceiling	30

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House No. 347



Photo 2
View of Room No. 1, Ground Floor



Photo 3
Covered With tiles, Ground Floor



Photo 4
View of Room No. 1, First Floor



Photo 5
View of House No. 347, Fourth Floor



Photo 6
Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Shop No. 1, Ground Floor



Photo 8
Horizontal Crack on Wall No. 1 of Room No. 1, Fourth Floor, Approx.
Width = 0.4mm, Approx. Length = 1.3m.
Distance from Wall No. 4 = 0.6m, Height from Floor = 2.1m.



Photo 9
Horizontal Crack on Wall No. 1 of Room No. 1, Fourth Floor, Approx.
Width = 0.35mm, Approx. Length = 0.6m.
Distance from Wall No. 1 = 1m, Height from Floor = 2.7m.



Photo 10
Inclined Crack on Wall No. 4 of Room No. 1, Fourth Floor, Approx.
Width = 0.2mm, Approx. Length = 2.5m.
Distance from Wall No. 5 = 0.3m, Height from Floor = 0m.



Photo 11
Inclined Crack on Wall No. 4 of Room No. 1, Fourth Floor, Approx.
Width = 0.2mm, Approx. Length = 2.5m.
Distance from Wall No. 5 = 0.3m, Height from Floor = 0m.



Photo 12
Peeling of Plaster on Wall No. 1 of Open Sky of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Peeling of Plaster on Roof of Open Sky of First Floor



Photo 14
Peeling of Plaster on Wall No. 1 of Staircase First Floor to Second Floor of First Floor



Photo 15
Peeling of Plaster on Wall No. 4 of Staircase First Floor to Second Floor of First Floor

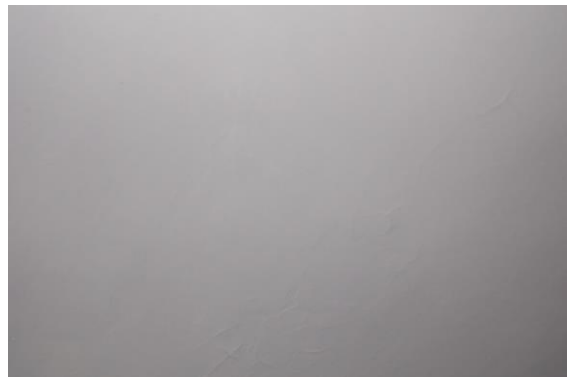


Photo 16
Peeling of Plaster on Roof of Room No. 2 of Second Floor



Photo 17
Peeling of Plaster on Wall No. 4 of Open Sky of Second Floor



Photo 18
Peeling of Plaster on Wall No. 3 of Balcony of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

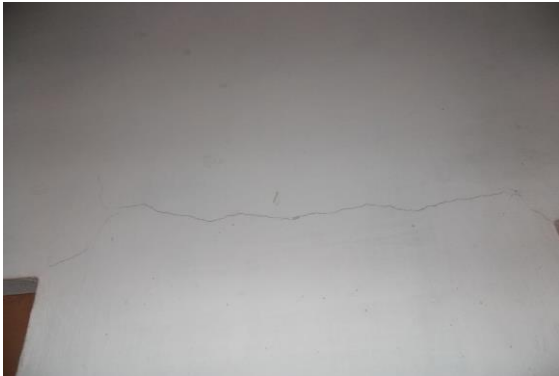


Photo 19

Peeling of Plaster on Wall No. 3 of Room No. 1 of Third Floor



Photo 20

All Walls of Shop No. 1 of Ground Floor Covered With Wooden Work



Photo 21

Wall No. 4 & Floor of Kitchen of Second Floor Covered With Marble



Photo 22

Wall No. 1 of Room No. 1 of Second Floor Covered With almirah



Photo 23

All Walls of Bathroom No. 1 of Second Floor Covered With tiles

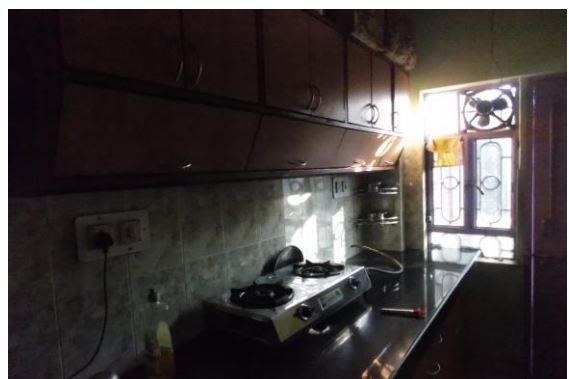


Photo 24

Wall No. 1 of Kitchen of Third Floor Covered With Wooden Work

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Wall No. 2 of Toilet No. 3 of Third Floor Covered With Wooden Almira



Photo 26

Wall No. 1 of Toilet No. 2 of Third Floor Covered With Wooden Almira



Photo 27

All Walls of Toilet No. 1 of Third Floor Covered With Tiles



Photo 28

All Walls of Store of Fourth Floor Covered



Photo 29

All Walls of Part B of Shop No. 1, Ground Floor Covered with Wooden Work



Photo 30

Roof of Part B of Shop No. 1, Ground Floor Covered with False Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



41, Ramganj Market
Jaipur
Unique ID: BC RA DN 0030

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0030/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Digambar jain Adinath Swami Dharmshala/ Shop No. 1-5
2	Building Address	Various Owner, Ramganj Bazaar
3	Year of Construction	1982
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential+ Commercial
7	Approximate Height	10m
8	Approximate Area	335 Sq. Yd.
9	Age of Building	31
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Stone Wall
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 Open Sky First Floor	Vertical	2	1	Slight	21, 21A
2	Parapet wall no.1 & Floor Balcony No.4 First Floor	Inclined	0.6	0.8	Very Slight	22, 22A
3	Wall No. 4 & Floor Room No. 3 Jain Dharamshala, Second Floor	Inclined	1.5	3	Slight	23, 23A
4	Shade Balcony No.3 Second Floor	Inclined	2.5	1	Slight	24
5	Outerwall No.3 Room No. 3 Jain Dharamshala, Second Floor	Inclined	1	1.5	Slight	25
6	Parapet wall no.3 Open Sky Second Floor	Vertical	1.5	1	Slight	26, 26A
7	Wall No. 3 Jain Dharamshala Terrace	Inclined	0.8	1	Very Slight	27, 27A
8	Wall No. 1 Jain Dharamshala Terrace	Inclined	7	2	Moderate	28
9	Wall No. 2 Jain Dharamshala Terrace	Inclined	0.6	0.9	Very Slight	29, 29A
10	Wall No. 2 & 3 Jain Dharamshala Terrace	Inclined	5	5	Moderate	30
11	Wall No. 2 Jain Dharamshala Terrace	Inclined	1	1	Slight	31, 31A
12	Wall No. 4 Jain Dharamshala Ground Floor	Inclined	0.6	0.4	Very Slight	32, 32A
13	Wall No. 1 Jain Dharamshala Ground Floor	Horizontal	1	1.5	Slight	33

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
14	Wall No. 3 Part C Shop No. 3, Ground Floor	Peeling of Plaster	34
15	Wall No. 2 Staircase Area First Floor	Plaster Crack	35
16	Wall No. 4 Staircase Area First Floor	Dampness/Seepage	36
17	Roof Lobby First Floor	Dampness/Seepage	37
18	Wall No. 2 Lobby First Floor	Plaster Crack	38
19	Wall No. 4 Bathroom No. 1 Jain Dharamshala, First Floor	Dampness/Seepage	39
20	Wall No. 1 & Roof Hall No. 1 Jain Dharamshala, First Floor	Dampness/Seepage	40
21	Roof Room No. 6 Jain Dharamshala, First Floor	Dampness/Seepage	41
22	Wall No. 4 Room No. 6 Jain Dharamshala, First Floor	Dampness/Seepage	42
23	Wall No. 3 Hall No. 2 Jain Dharamshala, First Floor	Peeling of Plaster	43
24	Roof Hall No. 2 Jain Dharamshala, First Floor	Plaster Crack	44
25	Wall No. 1 Room No. 3 Jain Dharamshala, First Floor	Peeling of Plaster	45
26	Wall No. 2 Room No. 3 Jain Dharamshala, First Floor	Damaged Portion	46
27	Wall No. 2 Store No.1 First Floor	Peeling of Plaster	47
28	Shade Balcony First Floor	Damaged Portion	48
29	Wall No. 1 Balcony First Floor	Damaged Portion	49
30	Wall No. 4 Balcony No.4 First Floor	Dampness/Seepage	50
31	Shade Balcony No.4 First Floor	Damaged Portion	51
32	Wall No. 1 Balcony No.2 First Floor	Peeling of Plaster	52
33	Outerwall No.3 Toilet No. 1 Jain Dharamshala, First Floor	Dampness/Seepage	53
34	Shade Balcony No.5 First Floor	Plaster Crack	54
35	Wall No. 4 Room No. 2 Jain Dharamshala, Second Floor	Peeling of Plaster	55
36	Outerwall No.3 Room No. 2 Jain Dharamshala, Second Floor	Peeling of Plaster	56

37	Wall No. 4 Balcony No.2 Second Floor	Dampness/Seepage	57
38	Wall No. 4 Balcony No.2 Second Floor	Dampness/Seepage	58
39	Wall No. 3 Hall No. 2 Jain Dharamshala, Second Floor	Dampness/Seepage	59
40	Wall No. 4 Bathroom No. 1 Jain Dharamshala, Second Floor	Dampness/Seepage	60
41	Wall No. 4 Toilet No. 2 Jain Dharamshala, Second Floor	Peeling of Plaster	61
42	Wall No. 2, 4 & Roof Jain Dharamshala Second Floor	Dampness/Seepage	62
43	Wall No. 4 Passage No.1 Second Floor	Dampness/Seepage	63
44	Roof Staircase First Floor to second floor Second Floor	Dampness/Seepage	64
45	Wall No. 2 & 4 Room No. 3 Jain Dharamshala, Second Floor	Peeling of Plaster	65
46	Roof Room No. 3 Jain Dharamshala, Second Floor	Plaster Crack	66
47	Wall No. 2 & 3 Room No. 3 Jain Dharamshala, Second Floor	Dampness/Seepage	67
48	Wall No. 2 Room No. 3 Jain Dharamshala, Second Floor	Peeling of Plaster	68
49	Wall No. 3 Room No. 3 Jain Dharamshala, Second Floor	Plaster Crack	69
50	Shade Balcony No.4 Second Floor	Damaged Portion	70
51	Shade Balcony No.4 Second Floor	Damaged Portion	71
52	Shade Balcony No.3 Second Floor	Dampness/Seepage	72
53	Wall No. 2 Balcony No.2 Second Floor	Dampness/Seepage	73
54	Wall No. 2 & 4 Lobby Second Floor	Dampness/Seepage	74
55	Floor Hall No. 1 Jain Dharamshala, Second Floor	Plaster Crack	75
56	Floor Hall No. 1 Jain Dharamshala, Second Floor	Plaster Crack	76
57	Floor Hall No. 1 Jain Dharamshala, Second Floor	Plaster Crack	77
58	Floor Hall No. 1 Jain Dharamshala, Second Floor	Plaster Crack	78
59	Wall No. 1 & 5 Hall No. 1 Jain Dharamshala, Second Floor	Peeling of Plaster	79
60	Wall No. 6 Hall No. 1 Jain Dharamshala, Second Floor	Peeling of Plaster	80
61	Floor Room No. 4 Jain Dharamshala, Second Floor	Plaster Crack	81
62	Wall No. 2 & 4 Room No. 4 Jain Dharamshala, Second Floor	Dampness/Seepage	82
63	Wall No. 1 & 4 Room No. 4 Jain Dharamshala, Second Floor	Dampness/Seepage	83
64	Floor Balcony No.1 Second Floor	Plaster Crack	84
65	Right Hand Side Jain Dharamshala Ground Floor	Peeling of Plaster	85
66	SunShade Jain Dharamshala First Floor	Damaged Portion	86
67	Lefthand side Wall Jain Dharamshala First Floor	Damaged Portion	87
68	Wall No. 2 Lobby Ground Floor	Peeling of Plaster	88
69	Wall No. 4 Lobby Ground Floor	Peeling of Plaster	89
70	Wall No. 2 & 3 Open Sky Ground Floor	Peeling of Plaster	90
71	Wall No. 1 Open Sky Ground Floor	Peeling of Plaster	91
72	Wall No. 2 Toilet No. 1 Jain Dharamshala, Ground Floor	Peeling of Plaster	92
73	Wall No. 4 Room No. 3 Jain Dharamshala, Ground Floor	Peeling of Plaster	93
74	Wall No. 4 Room No. 2 Jain Dharamshala, Ground Floor	Peeling of Plaster	94

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Part A Shop No. 3, Ground Floor	Covered with Wood	95
2	Roof Shop No. 1 Ground Floor	Covered with Wood	96

3	All Walls & Floor Bathroom No. 1 Jain Dharamshala, First Floor	Half Covered With Tiles	97
4	Room No. 1 Jain Dharamshala, First Floor	Locked	98
5	All Walls Room No. 6 Jain Dharamshala, First Floor	Covered	99
6	Wall No. 4 & 2 Jain Dharamshala First Floor	Covered With material	100
7	Wall No. 2 Room No. 5 Jain Dharamshala, First Floor	Covered With Almira	101
8	Wall No. 1 Room No. 5 Jain Dharamshala, First Floor	Covered With Almira	102
9	Floor Jain Dharamshala First Floor	Covered With Material	103
10	Bathroom No. 1 Jain Dharamshala, First Floor	Locked	104
11	Toilet No. 1 Jain Dharamshala, First Floor	Locked	105
12	Room No. 4 Jain Dharamshala, First Floor	Locked	106
13	Wall No. 1, 3 & 4 Room No. 2 Jain Dharamshala, Second Floor	Covered With Material	107
14	Wall No. 1, 3 & 4 Room No. 1 Jain Dharamshala, Second Floor	Covered With Material	108
15	All Walls Bathroom No. 1 Jain Dharamshala, Second Floor	Half covered With Tiles	109
16	All Walls Shop No.1 Ground Floor	Covered With Wooden Work	110
17	All Walls Shop No.4 Ground Floor	Covered With Tiles Work	111
18	Room No. 6 Ground Floor	Locked	112



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Jain Dharamshala



Photo 2
Shop No. 5, Ground Floor



Photo 3
Shop No. 5, Ground Floor



Photo 4
Shop No. 4, Ground Floor



Photo 5
Shop No. 4, Ground Floor



Photo 6
Shop No. 3, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Shop No. 2, Ground Floor



Photo 8
Shop No. 2, Ground Floor



Photo 9
Shop No. 1, Ground Floor



Photo 10
View of Room No.2, Jain Dharamshala, First Floor



Photo 11
View of Terrace, Terrace



Photo 12
View of Left hand side, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
View of Shop No.1, Ground Floor



Photo 14
View of Shop No.2, Ground Floor



Photo 15
View of Shop, Ground Floor



Photo 16
View of Shop No.3, Ground Floor



Photo 17
View of Shop, Ground Floor



Photo 18
View of Shop No.4, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19
View of Shop no.5, Ground Floor



Photo 20
View of Shop, Ground Floor



Photo 21
Vertical Crack on Wall No. 1 of Open Sky, First Floor, Approx. Width = 2mm, Approx. Length = 1m.
Distance from Wall No.4 = 2.5m, Height from Floor = 0m.



Photo 21A
Vertical Crack on Wall No. 1 of Open Sky, First Floor, Approx. Width = 2mm, Approx. Length = 1m.
Distance from Wall No.4 = 2.5m, Height from Floor = 0m.



Photo 22
Inclined Crack on Parapet wall no.1 & Floor of Balcony No.4, First Floor
Approx. Width = 0.6mm, Approx. Length = 0.8m.
Distance from Wall No.3 = 1.5m, Height from Floor = 0m.



Photo 22A
Inclined Crack on Parapet wall no.1 & Floor of Balcony No.4, First Floor
Approx. Width = 0.6mm, Approx. Length = 0.8m.
Distance from Wall No.3 = 1.5m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



PHOTO 23

Inclined Crack on Wall No. 4 & Floor of Room No. 3, Jain Dharamshala, Second Floor

Approx. Width = 1.5mm, Approx. Length = 3m.
Distance from Wall No.3 = 0m Height from Floor = 0m.



PHOTO 23A

Approx. Width = 1.5mm, Approx. Length = 3m.
Distance from Wall No.3 = 0m Height from Floor = 0m.

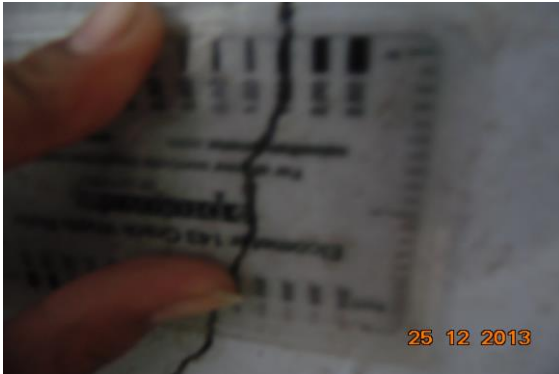


PHOTO 23A

Inclined Crack on Wall No. 4 & Floor of Room No. 3, Jain Dharamshala, Second Floor

Approx. Width = 1.5mm, Approx. Length = 3m.
Distance from Wall No.3 = 0m Height from Floor = 0m



Photo 24

Inclined Crack on Shade of Balcony No.3, Second Floor, Approx. Width = 2.5mm, Approx. Length = 1m.
Distance from Wall No. 1 = 1m, Height from Floor = 0m.

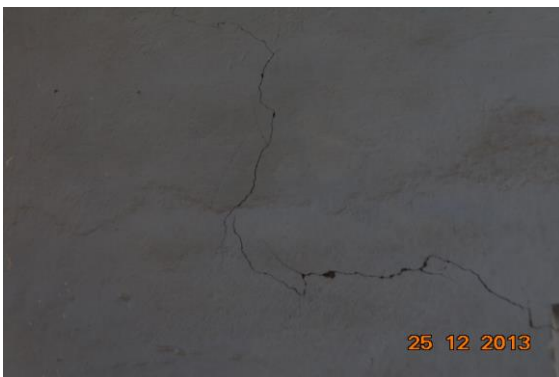


Photo 25

Inclined Crack on Outerwall No.3 of Room No. 3, Jain Dharamshala, Second Floor, Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Balcony No.1 = 1m, Height from Floor = 2.2m.



Photo 26

Vertical Crack on Parapet wall no.3 of Open Sky, Second Floor, Approx. Width = 1.5mm, Approx. Length = 1m.
Distance from Balcony No.1 = 1.2m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 26A

Vertical Crack on Parapet wall no.3 of Open Sky, Second Floor, Approx.
Width = 1.5mm, Approx. Length = 1m.
Distance from Balcony No.1 = 1.2m, Height from Floor = 0m.



Photo 27

Inclined Crack on Wall No. 3 of Jain Dharamshala, Terrace, Approx.
Width = 0.8mm, Approx. Length = 1m.
Distance from Wall No.2 = 5m, Height from Floor = 0m.



Photo 27A

Inclined Crack on Wall No. 3 of Jain Dharamshala, Terrace, Approx.
Width = 0.8mm, Approx. Length = 1m.
Distance from Wall No.2 = 5m, Height from Floor = 0m.



Photo 28

Inclined Crack on Wall No. 1 of Jain Dharamshala, Terrace, Approx.
Width = 7mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 29

Inclined Crack on Wall No. 2 of Jain Dharamshala, Terrace, Approx.
Width = 0.6mm, Approx. Length = 0.9m.
Distance from Wall No.3 = 7m, Height from Floor = 0m.



Photo 29A

Inclined Crack on Wall No. 2 of Jain Dharamshala, Terrace, Approx.
Width = 0.6mm, Approx. Length = 0.9m.
Distance from Wall No.3 = 7m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 30

Inclined Crack on Wall No. 2 & 3 of Jain Dharamshala, Terrace, Approx.
Width = 5mm, Approx. Length = 5m.
Distance from = m, Height from Floor = m.



Photo 31

Inclined Crack on Wall No. 2 of Jain Dharamshala, Terrace, Approx.
Width = 1mm, Approx. Length = 1m.
Distance from Wall No.4 = 0.5m, Height from Floor = 1m.



Photo 31A

Inclined Crack on Wall No. 2 of Jain Dharamshala, Terrace, Approx.
Width = 1mm, Approx. Length = 1m.
Distance from Wall No.4 = 0.5m, Height from Floor = 1m.



Photo 32

Inclined Crack on Wall No. 4 of Jain Dharamshala, Ground Floor,
Approx. Width = 0.6mm, Approx. Length = 0.4m.
Distance from Wall No. 2 = 1.5m, Height from Floor = 2m.



Photo 32A

Inclined Crack on Wall No. 4 of Jain Dharamshala, Ground Floor,
Approx. Width = 0.6mm, Approx. Length = 0.4m.
Distance from Wall No. 2 = 1.5m, Height from Floor = 2m.



Photo 33

Horizontal Crack on Wall No. 1 of Jain Dharamshala, Ground Floor,
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall No. 3 = 1.8m, Height from Floor = 2.2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34

Peeling of Plaster on Wall No. 3 of Part C of Shop No. 3, Ground Floor



Photo 35

Plaster Crack on Wall No. 2 of Staircase Area of First Floor



Photo 36

Dampness/Seepage on Wall No. 4 of Staircase Area of First Floor



Photo 37

Dampness/Seepage on Roof of Lobby of First Floor



Photo 38

Plaster Crack on Wall No. 2 of Lobby of First Floor

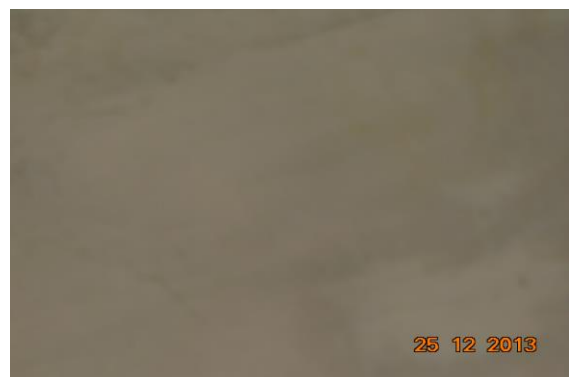


Photo 39

Dampness/Seepage on Wall No. 4 of Bathroom No. 1 of Jain Dharamshala, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40

Dampness/Seepage on Wall No. 1 & Roof of Hall No. 1 of Jain Dharamshala, First Floor



Photo 41

Dampness/Seepage on Roof of Room No. 6 of Jain Dharamshala, First Floor



Photo 42

Dampness/Seepage on Wall No. 4 of Room No. 6 of Jain Dharamshala, First Floor



Photo 43

Peeling of Plaster on Wall No. 3 of Hall No. 2 of Jain Dharamshala, First Floor



Photo 44

Plaster Crack on Roof of Hall No. 2 of Jain Dharamshala, First Floor



Photo 45

Peeling of Plaster on Wall No. 1 of Room No. 3 of Jain Dharamshala, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 46

Damaged Portion on Wall No. 2 of Room No. 3 of Jain Dharamshala, First Floor



Photo 47

Peeling of Plaster on Wall No. 2 of Store No.1 of First Floor



Photo 48

Damaged Portion on Shade of Balcony of First Floor



Photo 49

Damaged Portion on Wall No. 1 of Balcony of First Floor



Photo 50

Dampness/Seepage on Wall No. 4 of Balcony No.4 of First Floor

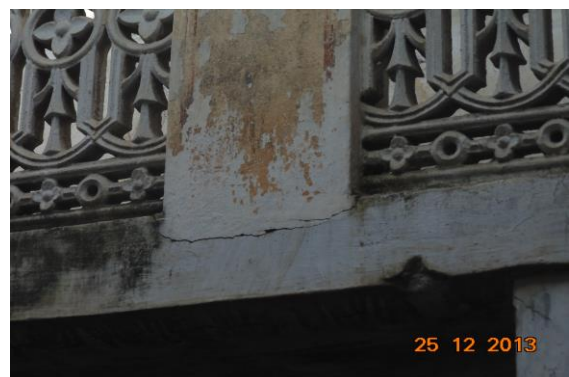


Photo 51

Damaged Portion on Shade of Balcony No.4 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 52

Peeling of Plaster on Wall No. 1 of Balcony No.2 of First Floor



Photo 53

Dampness/Seepage on Outerwall No.3 of Toilet No. 1 of Jain Dharamshala, First Floor



Photo 54

Plaster Crack on Shade of Balcony No.5 of First Floor



Photo 55

Peeling of Plaster on Wall No. 4 of Room No. 2 of Jain Dharamshala, Second Floor



Photo 56

Peeling of Plaster on Outerwall No.3 of Room No. 2 of Jain Dharamshala, Second Floor



Photo 57

Dampness/Seepage on Wall No. 4 of Balcony No.2 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 58

Dampness/Seepage on Wall No. 4 of Balcony No.2 of Second Floor



Photo 59

Dampness/Seepage on Wall No. 3 of Hall No. 2 of Jain Dharamshala, Second Floor



Photo 60

Dampness/Seepage on Wall No. 4 of Bathroom No. 1 of Jain Dharamshala, Second Floor



Photo 61

Peeling of Plaster on Wall No. 4 of Toilet No. 2 of Jain Dharamshala, Second Floor



Photo 62

Dampness/Seepage on Wall No. 2, 4 & Roof of Jain Dharamshala of Second Floor



Photo 63

Dampness/Seepage on Wall No. 4 of Passage No.1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 64

Dampness/Seepage on Roof of Staircase First Floor to second floor of Second Floor



Photo 65

Peeling of Plaster on Wall No. 2 & 4 of Room No. 3 of Jain Dharamshala, Second Floor



Photo 66

Plaster Crack on Roof of Room No. 3 of Jain Dharamshala, Second Floor



Photo 67

Dampness/Seepage on Wall No. 2 & 3 of Room No. 3 of Jain Dharamshala, Second Floor



Photo 68

Peeling of Plaster on Wall No. 2 of Room No. 3 of Jain Dharamshala, Second Floor



Photo 69

Plaster Crack on Wall No. 3 of Room No. 3 of Jain Dharamshala, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 70
Damaged Portion on Shade of Balcony No.4 of Second Floor



Photo 71
Damaged Portion on Shade of Balcony No.4 of Second Floor



Photo 72
Dampness/Seepage on Shade of Balcony No.3 of Second Floor



Photo 73
Dampness/Seepage on Wall No. 2 of Balcony No.2 of Second Floor



Photo 74
Dampness/Seepage on Wall No. 2 & 4 of Lobby of Second Floor

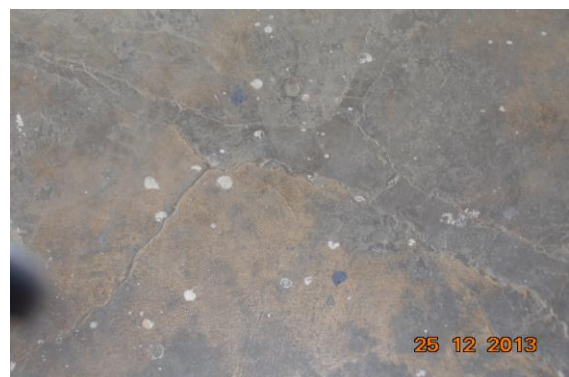


Photo 75
Plaster Crack on Floor of Hall No. 1 of Jain Dharamshala, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 76

Plaster Crack on Floor of Hall No. 1 of Jain Dharamshala, Second Floor



Photo 77

Plaster Crack on Floor of Hall No. 1 of Jain Dharamshala, Second Floor



Photo 78

Plaster Crack on Floor of Hall No. 1 of Jain Dharamshala, Second Floor



Photo 79

Peeling of Plaster on Wall No. 1 & 5 of Hall No. 1 of Jain Dharamshala, Second Floor



Photo 80

Peeling of Plaster on Wall No. 6 of Hall No. 1 of Jain Dharamshala, Second Floor



Photo 81

Plaster Crack on Floor of Room No. 4 of Jain Dharamshala, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 82

Dampness/Seepage on Wall No. 2 & 4 of Room No. 4 of Jain Dharamshala, Second Floor



Photo 83

Dampness/Seepage on Wall No. 1 & 4 of Room No. 4 of Jain Dharamshala, Second Floor



Photo 84

Plaster Crack on Floor of Balcony No.1 of Second Floor



Photo 85

Peeling of Plaster on Right Hand Side of Jain Dharamshala of Ground Floor



Photo 86

Damaged Portion on SunShade of Jain Dharamshala of First Floor

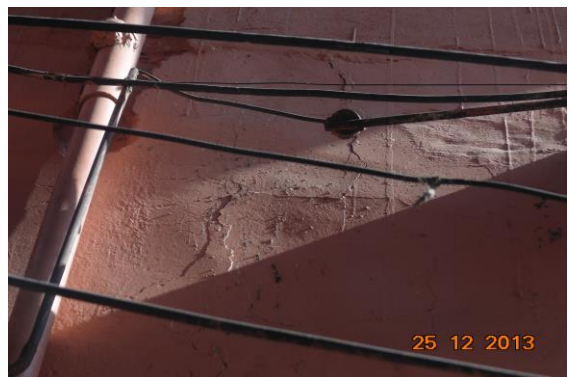


Photo 87

Damaged Portion on Lefthand side Wall of Jain Dharamshala of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 88

Peeling of Plaster on Wall No. 2 of Lobby of Ground Floor



Photo 89

Peeling of Plaster on Wall No. 4 of Lobby of Ground Floor



Photo 90

Peeling of Plaster on Wall No. 2 & 3 of Open Sky of Ground Floor



Photo 91

Peeling of Plaster on Wall No. 1 of Open Sky of Ground Floor



Photo 92

Peeling of Plaster on Wall No. 2 of Toilet No. 1 of Jain Dharamshala, Ground Floor



Photo 93

Peeling of Plaster on Wall No. 4 of Room No. 3 of Jain Dharamshala, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 94

Peeling of Plaster on Wall No. 4 of Room No. 2 of Jain Dharamshala, Ground Floor



Photo 95

All Walls of Part A of Shop No. 3, Ground Floor Covered with Wood



Photo 96

Roof of Shop No. 1 of Ground Floor Covered with Wood

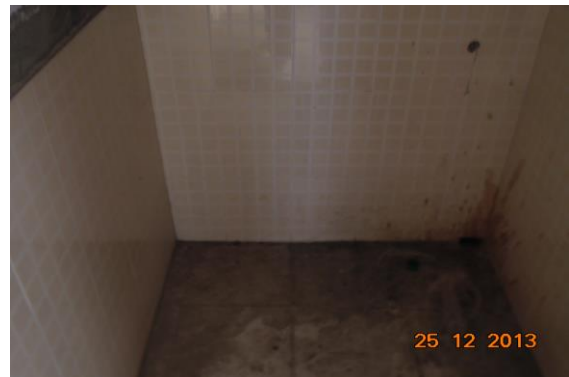


Photo 97

All Walls & Floor of Bathroom No. 1 of Jain Dharamshala, First Floor Half Covered With Tiles



Photo 98

Room No. 1 of Jain Dharamshala, First Floor Locked



Photo 99

All Walls of Room No. 6 of Jain Dharamshala, First Floor Covered

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 100

Wall No. 4 & 2 of Jain Dharamshala of First Floor Covered With material



Photo 101

Wall No. 2 of Room No. 5 of Jain Dharamshala, First Floor Covered With Almira



Photo 102

Wall No. 1 of Room No. 5 of Jain Dharamshala, First Floor Covered With Almira



Photo 103

Floor of Jain Dharamshala of First Floor Covered With Material



Photo 104

Bathroom No. 1 of Jain Dharamshala, First Floor Locked

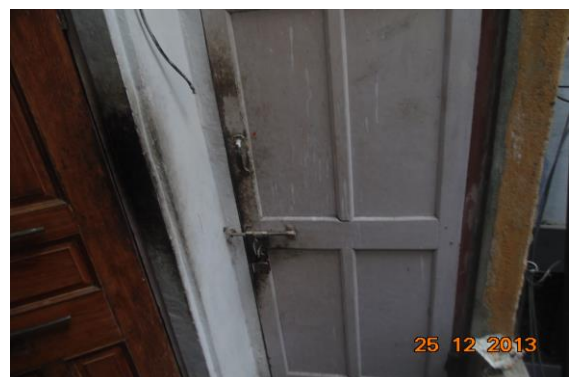


Photo 105

Toilet No. 1 of Jain Dharamshala, First Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 106
Room No. 4 of Jain Dharamshala, First Floor Locked

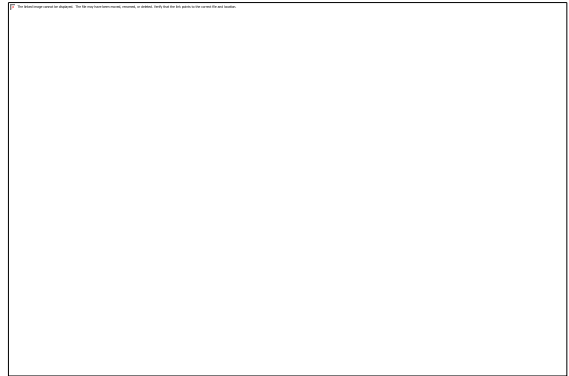


Photo 107
Wall No. 1, 3 & 4 of Room No. 2 of Jain Dharamshala, Second Floor Covered With Material



Photo 108
Wall No. 1, 3 & 4 of Room No. 1 of Jain Dharamshala, Second Floor Covered With Material



Photo 109
All Walls of Bathroom No. 1 of Jain Dharamshala, Second Floor Half covered With Tiles



Photo 110
All Walls of Shop No.1 of Ground Floor Covered With Wooden Work



Photo 111
All Walls of Shop No.4 of Ground Floor Covered With Tiles Work

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 112
Room No. 6 of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shri Jain Mandir, House No. 279
Ramganj Market
Jaipur
Unique ID: BC RA DN 0031

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0031/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Bakshi
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Table of Contents

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	25/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1813 and is 200 years old.

There are 81 defects in the structure out of which 27 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	9	33.33%
Slight (1 to 5mm)	15	55.56%
Moderate (5 to 15mm)	3	11.11%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.91mm and average length of cracks is 2.2m. The maximum crack width is 10mm and minimum width is 0.35mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0031	Sh. Jain Mandir		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shri Jain Mandir, House No. 279
2	Building Address	Shri Jain Mandir, House No. 279 Ramganj Market Jaipur
3	Year of Construction	1813
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	200 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	Two Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Varanda First Floor	Inclined	2	1	Slight	12
2	Roof Varanda First Floor	Horizontal	2.5	2	Slight	13
3	Roof Varanda No.2 First Floor	Horizontal	0.6	1	Very Slight	14
4	Wall No. 1 Varanda No.2 First Floor	Horizontal	3	1.5	Slight	15
5	Wall No. 2, 4 & Roof Room No. 2 First Floor	Inclined	0.8	1.2	Very Slight	16
6	Wall No. 4 & Roof Room No. 2 First Floor	Inclined	0.6	3	Very Slight	17
7	Roof Varanda No.3 First Floor	Horizontal	1	1.5	Slight	18
8	Roof Varanda No.3 First Floor	Inclined	2.5	6	Slight	19, 19A
9	Roof Varanda No.3 First Floor	Horizontal	1	2	Slight	20
10	Wall No. 4 & Roof Open Sky First Floor	Horizontal	0.5	2	Very Slight	21
11	Wall No. 2 & Roof Open Sky First Floor	Horizontal	1.5	0.7	Slight	22
12	Roof Open Sky First Floor	Horizontal	1.5	1.3	Slight	23
13	Wall No. 3 Open Sky First Floor	Horizontal	0.6	0.8	Very Slight	24
14	Wall No. 3 Lobby First Floor	Inclined	0.5	1.3	Very Slight	25
15	Roof Lobby First Floor	Inclined	1	3.5	Slight	26
16	Wall No. 2 Kitchen First Floor	Horizontal	0.35	1.8	Very Slight	27
17	Wall No. 1 Lobby Second Floor	Inclined	2	1.5	Slight	28, 28A
18	Wall No. 1 & 4 Staircase First Floor to Second Floor Second Floor	Inclined	1.5	2.2	Slight	29, 29A
19	Wall No. 2 Hall No. 1 Second Floor	Inclined	5	2	Moderate	30, 30A
20	Wall No. 2 Hall No. 1 Second Floor	Inclined	0.8	2.5	Very Slight	31, 31A
21	Wall No. 2 Hall No. 1 Second Floor	Inclined	0.35	3.2	Very Slight	32, 32A
22	Roof Hall No. 1 Second Floor	Horizontal	1	2.6	Slight	33
23	Wall No. 2 Open Sky Second Floor	Vertical	2.5	1.2	Slight	34, 34A
24	Wall No. 5 Open Sky Second Floor	Inclined	1.5	3.2	Slight	35, 35A
25	Wall No. 6 Open Sky Second Floor	Inclined	2	3.2	Slight	36, 36A
26	Right handside Digamber Jain First Floor	Inclined	10	3.3	Moderate	37
27	Right handside Wall Digamber Jain Ground Floor	Inclined	5	4	Moderate	38

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
28	Roof Varanda First Floor	Peeling of Plaster	39
29	Wall No. 1 Varanda First Floor	Peeling of Plaster	40
30	Wall No. 1 & Roof Varanda First Floor	Dampness/Seepage	41
31	Roof Varanda First Floor	Peeling of Plaster	42
32	Wall No. 3 Varanda First Floor	Peeling of Plaster	43
33	Wall No. 4 Varanda No.2 First Floor	Peeling of Plaster	44
34	Roof Varanda No.2 First Floor	Peeling of Plaster	45
35	Wall No. 4 Room No. 3 First Floor	Peeling of Plaster	46
36	Wall No. 1 Room No. 2 First Floor	Peeling of Plaster	47
37	Wall No. 4 Room No. 2 First Floor	Peeling of Plaster	48
38	Wall No. Floor Varanda No.2 First Floor	Peeling of Plaster	49
39	Wall No. Floor Varanda No.2 First Floor	Peeling of Plaster	50

40	Wall No. Floor Varanda No.3 First Floor	Peeling of Plaster	51
41	Wall No. 1 Open Sky First Floor	Peeling of Plaster	52
42	Roof Open Sky First Floor	Peeling of Plaster	53
43	Wall No. 2 Lobby First Floor	Peeling of Plaster	54
44	Wall No. 4 Kitchen First Floor	Peeling of Plaster	55
45	Wall No. 4 Kitchen First Floor	Peeling of Plaster	56
46	Roof Temple No.3 First Floor	Peeling of Plaster	57
47	Roof Lobby First Floor	Dampness/Seepage	58
48	Roof Lobby First Floor	Dampness/Seepage	59
49	Wall No. 1 Staircase First Floor to Second Floor	Peeling of Plaster	60
50	Wall No. 2 Staircase First Floor to Second Floor	Peeling of Plaster	61
51	Wall No. 1 Staircase First Floor to Second Floor	Peeling of Plaster	62
52	Wall No. 1 Staircase First Floor to Second Floor	Peeling of Plaster	63
53	Wall No. Roof & 3 Lobby Second Floor	Peeling of Plaster	64
54	Wall No. 1 Lobby Second Floor	Peeling of Plaster	65
55	Wall No. 1 & 4 Lobby Second Floor	Peeling of Plaster	66
56	Wall No. 2 Hall No. 1 Second Floor	Dampness/Seepage	67
57	Roof Hall No. 2 Second Floor	Peeling of Plaster	68
58	Roof Hall No. 2 Second Floor	Damaged Portion	69
59	Roof Hall No. 2 Second Floor	Damaged Portion	70
60	Roof Hall No. 2 Second Floor	Peeling of Plaster	71
61	Sun Shade Digamber Jain Second Floor	Peeling of Plaster	72
62	Wall No. 3 Open Sky Second Floor	Peeling of Plaster	73
63	Wall No. 2 Open Sky Second Floor	Peeling of Plaster	74
64	Floor Open Sky Second Floor	Peeling of Plaster	75
65	Wall No. 2 Open Sky Second Floor	Peeling of Plaster	76
66	Wall No. 4 Open Sky Second Floor	Peeling of Plaster	77
67	Wall No. 7 & Sun Shade Open Sky Second Floor	Peeling of Plaster	78
68	Wall No. 7 & Sun Shade Open Sky Second Floor	Peeling of Plaster	79
69	Wall No. 8 & Sun Shade Open Sky Second Floor	Peeling of Plaster	80
70	Wall No. 8 Open Sky Second Floor	Peeling of Plaster	81
71	Wall No. 4 Room No. 3 Third Floor	Dampness/Seepage	82
72	Roof Shop No.8 Ground Floor	Peeling of Plaster	83
73	Sun Shade Digamber Jain First Floor	Damaged Portion	84
74	Right handside Digamber Jain First Floor	Peeling of Plaster	85
75	Sun Shade Digamber Jain First Floor	Damaged Portion	86
76	Right handside Digamber Jain First Floor	Damaged Portion	87
77	Sun Shade Digamber Jain Ground Floor	Damaged Portion	88
78	Right handside Wall Digamber Jain Ground Floor	Peeling of Plaster	89
79	Sun Shade Window Digamber Jain Ground Floor	Damaged Portion	90
80	Sun Shade & Frontside Digamber Jain First Floor	Peeling of Plaster	91
81	Frontside Wall Digamber Jain First Floor	Dampness/Seepage	92

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Room No. 1 Second Floor	Locked	93
2	Roof & All Walls Digamber Jain Second Floor	Covered With Painting	94
3	All Walls Varanda Third Floor	Covered With Marble	95
4	All Walls Toilet No. 1 Third Floor	Covered With Tiles	96
5	All Walls Room No. 2 Third Floor	Covered With Material	97
6	All Walls Room No. 3 Third Floor	Covered With Tiles	98
7	All Walls Room No. 4 Third Floor	Covered With Materials	99

8	Shop No.1 Ground Floor	Locked	100
9	Shop No.2 Ground Floor	Locked	101
10	Shop No.4 Ground Floor	Locked	102
11	Shop No.5 Ground Floor	Locked	103
12	Shop No.7 Ground Floor	Locked	104



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Digamber Jain



Photo 2
View of Hall, First Floor



Photo 3
View of Temple, First Floor



Photo 4
View of Tomb of Temple, Second Floor



Photo 5
View of Room No.1, Third Floor



Photo 6
View of Lobby, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of Shop No.281, Ground Floor



Photo 8
View of Shop No.281, Ground Floor



Photo 9
View of Shop No.8, Ground Floor



Photo 10
View of Shop No.6, Ground Floor



Photo 11
View of Temple, Ground Floor



Photo 12
Inclined Crack on Roof of Varanda, First Floor
Approx. Width = 2mm, Approx. Length = 1m.
Distance from Wall No.3 = 0.8m, Height from Floor = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Horizontal Crack on Roof of Varanda, First Floor
Approx. Width = 2.5mm, Approx. Length = 2m.
Distance from Wall No.3 = 0.15m, Height from Floor = 6m.



Photo 14
Horizontal Crack on Roof of Varanda No.2, First Floor
Approx. Width = 0.6mm, Approx. Length = 1m.
Distance from Wall No.3 = 4.8m, Height from Floor = 3.5m.



Photo 15
Horizontal Crack on Wall No. 1 of Varanda No.2, First Floor
Approx. Width = 3mm, Approx. Length = 1.5m.
Distance from Wall No.1 = 0.15m, Height from Floor = 3.5m.



Photo 16
Inclined Crack on Wall No. 2, 4 & Roof of Room No. 2, First Floor
Approx. Width = 0.8mm, Approx. Length = 1.2m.
Distance from = Corner Wall no.2 & 4m, Height from Floor = 3m.



Photo 17
Inclined Crack on Wall No. 4 & Roof of Room No. 2, First Floor
Approx. Width = 0.6mm, Approx. Length = 3m.
Distance from Wall No.1 = 0.4m, Height from Floor = 2.5m.



Photo 18
Horizontal Crack on Roof of Varanda No.3, First Floor
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall No.3 = 0.3m, Height from Floor = 4m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Inclined Crack on Roof of Varanda No.3, First Floor
Approx. Width = 2.5mm, Approx. Length = 6m.
Distance from Wall No.3 = 1.5m, Height from Floor = 3m.



Photo 19A

Inclined Crack on Roof of Varanda No.3, First Floor
Approx. Width = 2.5mm, Approx. Length = 6m.
Distance from Wall No.3 = 1.5m, Height from Floor = 3m.



Photo 20

Horizontal Crack on Roof of Varanda No.3, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from Wall No.1 = 1.6m, Height from Floor = 3.5m.

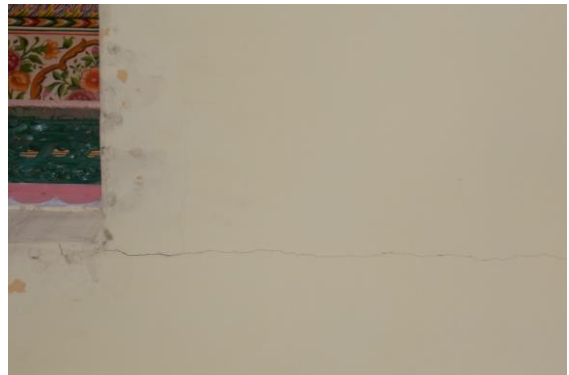


Photo 21

Horizontal Crack on Wall No. 4 & Roof of Open Sky, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Wall No.1 = 1m, Height from Floor = 3m.



Photo 22

Horizontal Crack on Wall No. 2 & Roof of Open Sky, First Floor
Approx. Width = 1.5mm, Approx. Length = 0.7m.
Distance from Wall No.2 = 0.1m, Height from Floor = 3.5m.

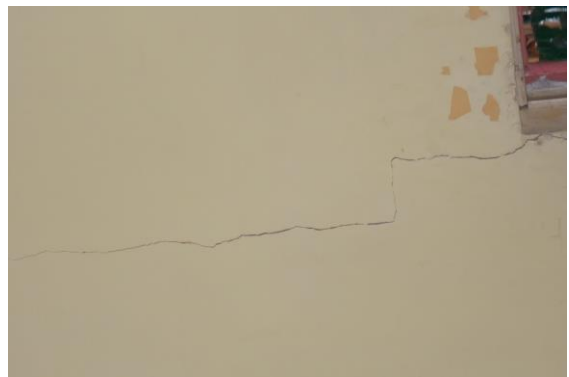


Photo 23

Horizontal Crack on Roof of Open Sky, First Floor
Approx. Width = 1.5mm, Approx. Length = 1.3m.
Distance from Wall No.2 = 0.8m, Height from Floor = 3.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 24

Horizontal Crack on Wall No. 3 of Open Sky, First Floor
Approx. Width = 0.6mm, Approx. Length = 0.8m.
Distance from Wall No.2 = 0.5m, Height from Floor = 3m.



Photo 25

Inclined Crack on Wall No. 3 of Lobby, First Floor
Approx. Width = 0.5mm, Approx. Length = 1.3m.
Distance from Wall No.2 = 0.02m, Height from Floor = 2.2m.

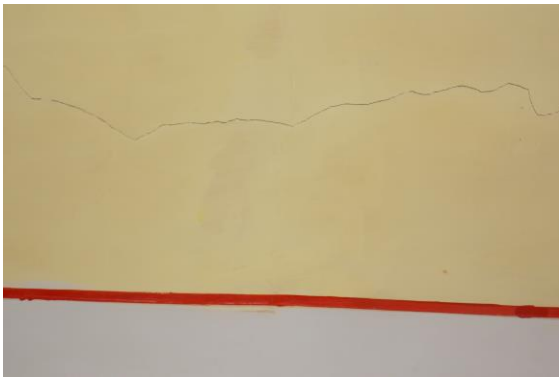


Photo 26

Inclined Crack on Roof of Lobby, First Floor
Approx. Width = 1mm, Approx. Length = 3.5m.
Distance from Wall No.4 = 2.5m, Height from Floor = 3m.



Photo 27

Horizontal Crack on Wall No. 2 of Kitchen, First Floor
Approx. Width = 0.35mm, Approx. Length = 1.8m.
Distance from Wall No.3 = 0m, Height from Floor = 2.3m.



Photo 28

Inclined Crack on Wall No. 1 of Lobby, Second Floor
Approx. Width = 2mm, Approx. Length = 1.5m.
Distance from Wall No.3 = 0.5m, Height from Floor = 0.4m.



Photo 28A

Inclined Crack on Wall No. 1 of Lobby, Second Floor
Approx. Width = 2mm, Approx. Length = 1.5m.
Distance from Wall No.3 = 0.5m, Height from Floor = 0.4m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



PHOTO 29

Inclined Crack on Wall No. 1 & 4 of Staircase First Floor to Second Floor

Approx. Width = 1.5mm, Approx. Length = 2.2m.
Distance from = Corner Wall No 1 & 4m Height from Floor = 0.2m



PHOTO 29A

Inclined Crack on Wall No. 1 & 4 of Staircase First Floor to Second Floor

Approx. Width = 1.5mm, Approx. Length = 2.2m.
Distance from = Corner Wall No 1 & 4m Height from Floor = 0.2m



Photo 30

Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor

Approx. Width = 5mm, Approx. Length = 2m.
Distance from Wall No.3 = 0.1m, Height from Floor = 0m.



Photo 30A

Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor

Approx. Width = 5mm, Approx. Length = 2m.
Distance from Wall No.3 = 0.1m, Height from Floor = 0m.

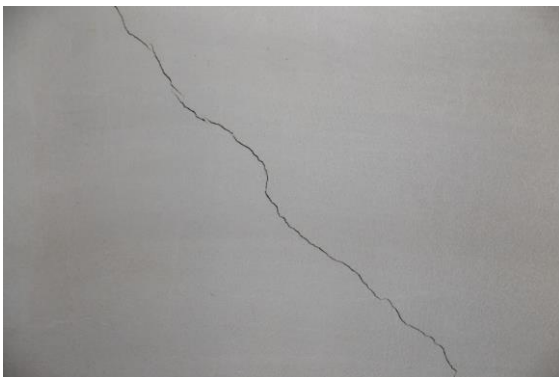


Photo 31

Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor
Approx. Width = 0.8mm, Approx. Length = 2.5m.
Distance from Wall No.3 = 0.05m, Height from Floor = 0.6m.



Photo 31A

Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor
Approx. Width = 0.8mm, Approx. Length = 2.5m.
Distance from Wall No.3 = 0.05m, Height from Floor = 0.6m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 32

Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor
Approx. Width = 0.35mm, Approx. Length = 3.2m.
Distance from Wall No.3 = 0.8m, Height from Floor = 1.1m.

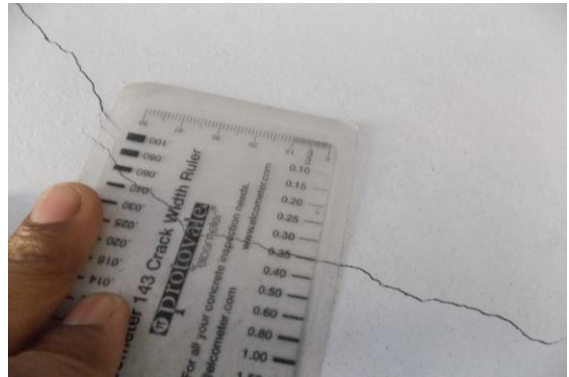


Photo 32A

Inclined Crack on Wall No. 2 of Hall No. 1, Second Floor
Approx. Width = 0.35mm, Approx. Length = 3.2m.
Distance from Wall No.3 = 0.8m, Height from Floor = 1.1m.



Photo 33

Horizontal Crack on Roof of Hall No. 1, Second Floor
Approx. Width = 1mm, Approx. Length = 2.6m.
Distance from Wall No.1 = 0.4m, Height from Floor = 2.2m.



Photo 34

Vertical Crack on Wall No. 2 of Open Sky, Second Floor
Approx. Width = 2.5mm, Approx. Length = 1.2m.
Distance from Wall No.4 = 6m, Height from Floor = 0m.



Photo 34A

Vertical Crack on Wall No. 2 of Open Sky, Second Floor
Approx. Width = 2.5mm, Approx. Length = 1.2m.
Distance from Wall No.4 = 6m, Height from Floor = 0m.



Photo 35

Inclined Crack on Wall No. 5 of Open Sky, Second Floor
Approx. Width = 1.5mm, Approx. Length = 3.2m.
Distance from Wall No.4 = 6m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 35A

Inclined Crack on Wall No. 5 of Open Sky, Second Floor
Approx. Width = 1.5mm, Approx. Length = 3.2m.
Distance from Wall No.4 = 6m, Height from Floor = 0m.



Photo 35A

Inclined Crack on Wall No. 5 of Open Sky, Second Floor
Approx. Width = 1.5mm, Approx. Length = 3.2m.
Distance from Wall No.4 = 6m, Height from Floor = 0m.



Photo 36

Inclined Crack on Wall No. 6 of Open Sky, Second Floor
Approx. Width = 2mm, Approx. Length = 3.2m.
Distance from Wall No.5 = 0.15m, Height from Floor = 0m.



Photo 36A

Inclined Crack on Wall No. 6 of Open Sky, Second Floor
Approx. Width = 2mm, Approx. Length = 3.2m.
Distance from Wall No.5 = 0.15m, Height from Floor = 0m.



Photo 37

Inclined Crack on Right handside of Digamber Jain, First Floor
Approx. Width = 10mm, Approx. Length = 3.3m.
Distance from Wall No.4 = 1.6m, Height from Floor = 2.5m.



Photo 38

Inclined Crack on Right handside Wall of Digamber Jain, Ground Floor
Approx. Width = 5mm, Approx. Length = 4m.
Distance from Wall No.4 = 7m, Height from Floor = 2.1m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 39

Peeling of Plaster on Roof of Varanda of First Floor



Photo 40

Peeling of Plaster on Wall No. 1 of Varanda of First Floor



Photo 41

Dampness/Seepage on Wall No. 1 & Roof of Varanda of First Floor



Photo 42

Peeling of Plaster on Roof of Varanda of First Floor



Photo 43

Peeling of Plaster on Wall No. 3 of Varanda of First Floor



Photo 44

Peeling of Plaster on Wall No. 4 of Varanda No.2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 45
Peeling of Plaster on Roof of Varanda No.2 of First Floor



Photo 46
Peeling of Plaster on Wall No. 4 of Room No. 3 of First Floor



Photo 47
Peeling of Plaster on Wall No. 1 of Room No. 2 of First Floor



Photo 48
Peeling of Plaster on Wall No. 4 of Room No. 2 of First Floor



Photo 49
Peeling of Plaster on Floor of Varanda No.2 of First Floor

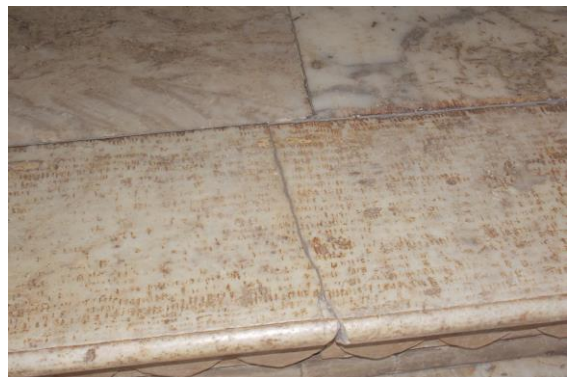


Photo 50
Peeling of Plaster on Floor of Varanda No.2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 51

Peeling of Plaster on Floor of Varanda No.3 of First Floor



Photo 52

Peeling of Plaster on Wall No. 1 of Open Sky of First Floor



Photo 53

Peeling of Plaster on Roof of Open Sky of First Floor

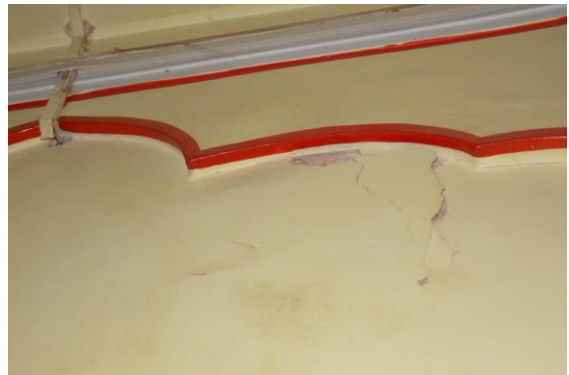


Photo 54

Peeling of Plaster on Wall No. 2 of Lobby of First Floor



Photo 55

Peeling of Plaster on Wall No. 4 of Kitchen of First Floor



Photo 56

Peeling of Plaster on Wall No. 4 of Kitchen of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

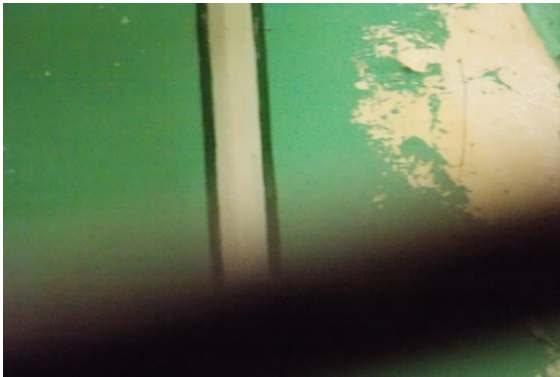


Photo 57

Peeling of Plaster on Roof of Temple No.3 of First Floor



Photo 58

Dampness/Seepage on Roof of Lobby of First Floor



Photo 59

Dampness/Seepage on Roof of Lobby of First Floor



Photo 60

Peeling of Plaster on Wall No. 1 of Staircase First Floor to Second Floor



Photo 61

Peeling of Plaster on Wall No. 2 of Staircase First Floor to Second Floor



Photo 62

Peeling of Plaster on Wall No. 1 of Staircase First Floor to Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 63

Peeling of Plaster on Wall No. 1 of Staircase First Floor to Second Floor



Photo 64

Peeling of Plaster on Roof & 3 of Lobby of Second Floor



Photo 65

Peeling of Plaster on Wall No. 1 of Lobby of Second Floor



Photo 66

Peeling of Plaster on Wall No. 1 & 4 of Lobby of Second Floor



Photo 67

Dampness/Seepage on Wall No. 2 of Hall No. 1 of Second Floor



Photo 68

Peeling of Plaster on Roof of Hall No. 2 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 69
Damaged Portion on Roof of Hall No. 2 of Second Floor



Photo 70
Damaged Portion on Roof of Hall No. 2 of Second Floor



Photo 71
Peeling of Plaster on Roof of Hall No. 2 of Second Floor



Photo 72
Peeling of Plaster on Sun Shade of Digamber Jain of Second Floor



Photo 73
Peeling of Plaster on Wall No. 3 of Open Sky of Second Floor



Photo 74
Peeling of Plaster on Wall No. 2 of Open Sky of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 75
Peeling of Plaster on Floor of Open Sky of Second Floor



Photo 76
Peeling of Plaster on Wall No. 2 of Open Sky of Second Floor



Photo 77
Peeling of Plaster on Wall No. 4 of Open Sky of Second Floor



Photo 78
Peeling of Plaster on Wall No. 7 & Sun Shade of Open Sky of Second Floor



Photo 79
Peeling of Plaster on Wall No. 7 & Sun Shade of Open Sky of Second Floor



Photo 80
Peeling of Plaster on Wall No. 8 & Sun Shade of Open Sky of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 81

Peeling of Plaster on Wall No. 8 of Open Sky of Second Floor



Photo 82

Dampness/Seepage on Wall No. 4 of Room No. 3 of Third Floor

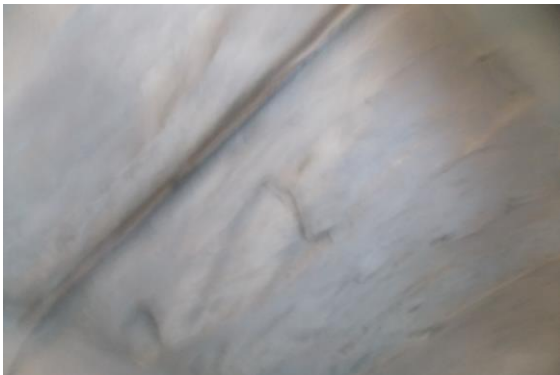


Photo 83

Peeling of Plaster on Roof of Shop No.8 of Ground Floor



Photo 84

Damaged Portion on Sun Shade of Digamber Jain of First Floor



Photo 85

Peeling of Plaster on Right handside of Digamber Jain of First Floor



Photo 86

Damaged Portion on Sun Shade of Digamber Jain of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 87

Damaged Portion on Right handside of Digamber Jain of First Floor



Photo 88

Damaged Portion on Sun Shade of Digamber Jain of Ground Floor



Photo 89

Peeling of Plaster on Right handside Wall of Digamber Jain of Ground Floor



Photo 90

Damaged Portion on Sun Shade Window of Digamber Jain of Ground Floor



Photo 91

Peeling of Plaster on Sun Shade & Frontside of Digamber Jain of First Floor



Photo 92

Dampness/Seepage on Frontside Wall of Digamber Jain of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 93
Room No. 1 of Second Floor Locked



Photo 94
Roof & All Walls of Digamber Jain of Second Floor Covered With Painting



Photo 95
All Walls of Varanda of Third Floor Covered With Marble



Photo 96
All Walls of Toilet No. 1 of Third Floor Covered With Tiles



Photo 97
All Walls of Room No. 2 of Third Floor Covered With Material



Photo 98
All Walls of Room No. 3 of Third Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line



Photo 99

All Walls of Room No. 4 of Third Floor Covered With Materials



Photo 100

Shop No.1 of Ground Floor Locked



Photo 101

Shop No.2 of Ground Floor Locked



Photo 102

Shop No.4 of Ground Floor Locked



Photo 103

Shop No.5 of Ground Floor Locked



Photo 104

Shop No.7 of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 284
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0032

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0032/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Laxmi Narayan
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1963 and is 50 years old.

There are 102 defects in the structure out of which 2 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.45mm and average length of cracks is 1.85m. The maximum crack width is 0.5mm and minimum width is 0.4mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0032	House No. 284		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 284
2	Building Address	House No. 284 Ramganj Bazaar Jaipur
3	Year of Construction	1963
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	50 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Room No. 5 H.No.284,First floor	Inclined	0.5	1.2	Very Slight	6, 6A
2	Wall No. 2 H.No.284 Second floor	Inclined	0.4	2.5	Very Slight	7, 7A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
3	Roof Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	8
4	Roof Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	9
5	Wall No. 3 Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	10
6	Wall No. 3 Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	11
7	Wall No. 1 & 4 Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	12
8	Wall No. 4 Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	13
9	Wall No. 2 Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	14
10	Wall No. 2 Lobby 1 of House No. 284 Ground Floor	Dampness/Seepage	15
11	Wall No. 2 & 4 Toilet No. 2 H.No.284,Ground Floor	Peeling of Plaster	16
12	Roof Lobby of House No. 284 Ground Floor	Damaged Portion	17
13	Wall No. 2 Sky Open of House No. 284 Ground Floor	Dampness/Seepage	18
14	Wall No. 2 & 4 Sky Open of House No. 284 Ground Floor	Dampness/Seepage	19
15	Wall No. 4 & Roof Sky Open of House No. 284 Ground Floor	Dampness/Seepage	20
16	Wall No. 1 & 4 Room No. 6 H.No.284,Ground Floor	Dampness/Seepage	21
17	Wall No. 2 Room No. 6 H.No.284,Ground Floor	Dampness/Seepage	22
18	Roof Room No. 6 H.No.284,Ground Floor	Peeling of Plaster	23
19	Wall No. 2 Room No. 5 H.No.284,Ground Floor	Dampness/Seepage	24
20	Wall No. 3 Room No. 5 H.No.284,Ground Floor	Dampness/Seepage	25
21	Wall No. 1 & 4 Varanda of House No. 284 Ground Floor	Peeling of Plaster	26
22	Wall No. 2 & 4 Varanda of House No. 284 Ground Floor	Peeling of Plaster	27
23	Wall No. 2 & 3 Varanda of House No. 284 Ground Floor	Peeling of Plaster	28
24	Wall No. 2 & 3 Varanda of House No. 284 Ground Floor	Peeling of Plaster	29
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45	All Wall Staircase FF-SF of House No. 284 First floor	Dampness/Seepage	50
46	All Wall Staircase FF-SF of House No. 284 First floor	Dampness/Seepage	51
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84	Wall No. 2 & 4 Room No. 1 H.No.284,Second floor	Dampness/Seepage	89
85	All Wall Staircase SF-TF of House No. 284 Second floor	Dampness/Seepage	90
86	All Wall Staircase SF-TF of House No. 284 Second floor	Dampness/Seepage	91
87	Wall No. 4 Sky Open Lobby of House No. 284 Third floor	Dampness/Seepage	92
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93	Wall No. 2 Passage 2 of House No. 284 Third floor	Peeling of Plaster	98
94	Wall No. 1 Passage 2 of House No. 284 Third floor	Peeling of Plaster	99
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99	Wall No. 3 & Sunshade External Façade of House No. 284 First floor	Plaster Crack	104
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101	Wall No. 3 & Sunshade H.No.284 First floor	Damaged Portion	106
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Summary of Areas that Could not be Surveyed			
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1	Room No. 7 H.No.284,Ground Floor	Locked	108
2	Wall No. 4 Room No. 5 H.No.284,Ground Floor	Covered With Material.	109
3	Room No. 4 H.No.284,Ground Floor	Locked	110
4	Room No. 2 H.No.284,Ground Floor	Locked	111
5	Wall No. 2 Room No. 1 H.No.284,First floor	Covered With Material.	112
6	Wall No. 1 Room No. 2 H.No.284,First floor	Covered With Material.	113
7	Floor H.No.284,First floor	Covered With Tiles	114
8	All Wall Bathroom No. H.No.284,First floor	Covered With Tiles	115
9	Room No. 3 H.No.284,Second floor	Covered With Material.	116
10	Room No. 2 H.No.284,Second floor	Covered With Material.	117
11	Store Room of House No. 284 Second floor	Covered With Material.	118
12	Room No. 4 H.No.284,Second floor	Locked	119
13	Room No. 5 H.No.284,Second floor	Locked	120
14	Room No. 1 H.No.284,Third floor	Locked	121

15	Room No. 2 H.No.284,Third floor	Locked	122
16	Room No. 4 H.No.284,Third floor	Locked	123
17	Room No. 3 H.No.284,Third floor	Locked	124
18	Shop No.2 of House No. 284 Ground floor	Locked	125
19	All Wall Shop No.1 of House No. 284 Ground floor		126
20	Roof of Shop No.1 of House No. 284 Ground floor	Covered with False Ceiling	127



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of House No. 284



Photo 2
View of Toilet No. 1, H.No.284,Ground Floor



Photo 3
General View Kitchen of House No. 284, First floor



Photo 4
View of Toilet No. 1, H.No.284,First floor



Photo 5
Front View of House No. 284,



Photo 6
Inclined Crack on Wall No. 4 of Room No. 5, H.No.284,First floor
Approx. Width = 0.5mm, Approx. Length = 1.2m.
Distance from Wall No.1 = 1.6m, Height from Floor = 17m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

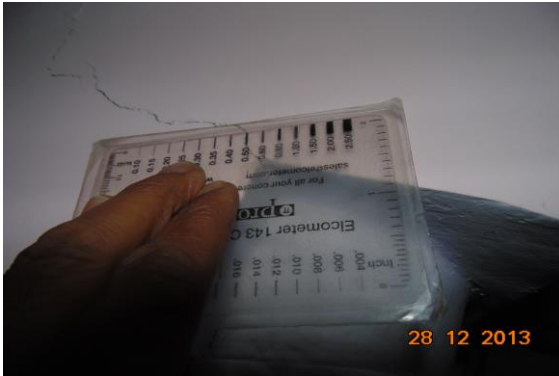


Photo 6A

Inclined Crack on Wall No. 4 of Room No. 5, H.No.284, First floor
Approx. Width = 0.5mm, Approx. Length = 1.2m.
Distance from Wall No.1 = 1.6m, Height from Floor = 17m.



Photo 7

Inclined Crack on Wall No. 2 of H.No.284, Second floor
Approx. Width = 0.4mm, Approx. Length = 2.5m.
Distance from Wall No.3 = 0.7m, Height from Floor = 0m.



Photo 7A

Inclined Crack on Wall No. 2 of H.No.284, Second floor
Approx. Width = 0.4mm, Approx. Length = 2.5m.
Distance from Wall No.3 = 0.7m, Height from Floor = 0m.



Photo 8

Dampness/Seepage on Roof of Lobby 1 of House No. 284 of Ground Floor



Photo 9

Dampness/Seepage on Roof of Lobby 1 of House No. 284 of Ground Floor



Photo 10

Dampness/Seepage on Wall No. 3 of Lobby 1 of House No. 284 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Dampness/Seepage on Wall No. 3 of Lobby 1 of House No. 284 of Ground Floor



Photo 12

Dampness/Seepage on Wall No. 1 & 4 of Lobby 1 of House No. 284 of Ground Floor



Photo 13

Dampness/Seepage on Wall No. 4 of Lobby 1 of House No. 284 of Ground Floor



Photo 14

Dampness/Seepage on Wall No. 2 of Lobby 1 of House No. 284 of Ground Floor



Photo 15

Dampness/Seepage on Wall No. 2 of Lobby 1 of House No. 284 of Ground Floor



Photo 16

Peeling of Plaster on Wall No. 2 & 4 of Toilet No. 2 of H.No.284,Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 17

Damaged Portion on Roof of Lobby of House No. 284 of Ground Floor



Photo 18

Dampness/Seepage on Wall No. 2 of Sky Open of House No. 284 of Ground Floor



Photo 19

Dampness/Seepage on Wall No. 2 & 4 of Sky Open of House No. 284 of Ground Floor



Photo 20

Dampness/Seepage on Wall No. 4 & Roof of Sky Open of House No. 284 of Ground Floor



Photo 21

Dampness/Seepage on Wall No. 1 & 4 of Room No. 6 of H.No.284, Ground Floor



Photo 22

Dampness/Seepage on Wall No. 2 of Room No. 6 of H.No.284, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 23

Peeling of Plaster on Roof of Room No. 6 of H.No.284,Ground Floor



Photo 24

Dampness/Seepage on Wall No. 2 of Room No. 5 of H.No.284,Ground Floor



Photo 25

Dampness/Seepage on Wall No. 3 of Room No. 5 of H.No.284,Ground Floor



Photo 26

Peeling of Plaster on Wall No. 1 & 4 of Varanda of House No. 284 of Ground Floor



Photo 27

Peeling of Plaster on Wall No. 2 & 4 of Varanda of House No. 284 of Ground Floor



Photo 28

Peeling of Plaster on Wall No. 2 & 3 of Varanda of House No. 284 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29

Peeling of Plaster on Wall No. 2 & 3 of Varanda of House No. 284 of Ground Floor



Photo 30

Peeling of Plaster on Roof of Room No. 1 of H.No.284,Ground Floor



Photo 31

Dampness/Seepage on Wall No. 2 & 4 of Room No. 1 of H.No.284,Ground Floor



Photo 32

Damaged Portion on Steps of Staircase GF-FF of House No. 284 of Ground Floor



Photo 33

Dampness/Seepage on All Wall & Roof of Staircase GF-FF Steps of House No. 284 of Ground Floor



Photo 34

Dampness/Seepage on All Wall & Roof of Staircase GF-FF Steps of House No. 284 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 35

Dampness/Seepage on All Wall & Roof of Staircase GF-FF Steps of House No. 284 of Ground Floor



Photo 36

Dampness/Seepage on All Wall & Roof of Staircase GF-FF Steps of House No. 284 of Ground Floor



Photo 37

Dampness/Seepage on All Wall & Roof of Staircase GF-FF Steps of House No. 284 of Ground Floor



Photo 38

Dampness/Seepage on Wall No. 3 & Sunshade of Sky Open Lobby of House No. 284 of First floor



Photo 39

Dampness/Seepage on Wall No. 3 & Sunshade of Sky Open Lobby of House No. 284 of First floor



Photo 40

Dampness/Seepage on Wall No. 3 & Sunshade of Sky Open Lobby of House No. 284 of First floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 41

Dampness/Seepage on Wall No. 1 & Sunshade of Sky Open Lobby of House No. 284 of First floor



Photo 42

Damaged Portion on Floor of Room No. 3 of H.No.284, First floor



Photo 43

Peeling of Plaster on Wall No. 4 of Room No. 4 of H.No.284, First floor



Photo 44

Dampness/Seepage on Roof of Room No. 4 of H.No.284, First floor



Photo 45

Peeling of Plaster on Wall No. 3 of Room No. 4 of H.No.284, First floor



Photo 46

Damaged Portion on Staircase Step FF-SF of House No. 284 of First floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 47

Dampness/Seepage on All Wall of Staircase FF-SF of House No. 284 of First floor



Photo 48

Dampness/Seepage on All Wall of Staircase FF-SF of House No. 284 of First floor



Photo 49

Dampness/Seepage on All Wall of Staircase FF-SF of House No. 284 of First floor



Photo 50

Dampness/Seepage on All Wall of Staircase FF-SF of House No. 284 of First floor



Photo 51

Dampness/Seepage on All Wall of Staircase FF-SF of House No. 284 of First floor



Photo 52

Dampness/Seepage on Wall No. 1 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 53

Dampness/Seepage on Wall No. 1 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 54

Dampness/Seepage on Wall No. 1 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 55

Dampness/Seepage on Wall No. 4 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 56

Dampness/Seepage on Wall No. 4 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 57

Dampness/Seepage on Wall No. 2 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 58

Dampness/Seepage on Wall No. 2 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 59

Dampness/Seepage on Wall No. 3 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 60

Dampness/Seepage on Wall No. 3 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 61

Dampness/Seepage on Wall No. 3 & Sunshade of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 62

Dampness/Seepage on Wall No. 1 of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 63

Dampness/Seepage on Wall No. 4 of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 64

Dampness/Seepage on Wall No. 2 of Sky Open Lobby 2 of House No. 284 of Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 65

Dampness/Seepage on Wall No. 3 of Sky Open Lobby 2 of House No. 284 of Second floor



Photo 66

Plaster Crack on Roof of Room No. 3 of H.No.284, Second floor



Photo 67

Dampness/Seepage on Roof of Room No. 3 of H.No.284, Second floor



Photo 68

Dampness/Seepage on Wall No. 4 of Room No. 3 of H.No.284, Second floor



Photo 69

Dampness/Seepage on Wall No. 2 of Room No. 3 of H.No.284, Second floor



Photo 70

Dampness/Seepage on Wall No. 3 of Room No. 3 of H.No.284, Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 71

Peeling of Plaster on Wall No. 4 & Roof of Room No. 2 of H.No.284, Second floor



Photo 72

Dampness/Seepage on Wall No. 1 of Room No. 2 of H.No.284, Second floor



Photo 73

Damaged Portion on Wall No. 2 & Sunshade of Sky Open Lobby 1 of House No. 284 of Second floor



Photo 74

Damaged Portion on Wall No. 2 & Sunshade of Sky Open Lobby 1 of House No. 284 of Second floor



Photo 75

Damaged Portion on Wall No. 2 & Sunshade of Sky Open Lobby 1 of House No. 284 of Second floor



Photo 76

Damaged Portion on Wall No. 2 & Sunshade of Sky Open Lobby 1 of House No. 284 of Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 77

Damaged Portion on Wall No. 2 & Sunshade of Sky Open Lobby 1 of House No. 284 of Second floor



Photo 78

Dampness/Seepage on Wall No. 3 of Sky Open Lobby 1 of House No. 284 of Second floor



Photo 79

Dampness/Seepage on Wall No. 4 of Sky Open Lobby 1 of House No. 284 of Second floor



Photo 80

Peeling of Plaster on Wall No. 1, 2, 4 & Roof of Store Room of House No. 284 of Second floor



Photo 81

Peeling of Plaster on Roof of Room No. 7 of H.No.284,Second floor



Photo 82

Peeling of Plaster on Wall No. 4 of Room No. 7 of H.No.284,Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 83

Peeling of Plaster on Wall No. 3 of Room No. 7 of H.No.284, Second floor



Photo 84

Peeling of Plaster on Roof of Room No. 6 of H.No.284, Second floor



Photo 85

Dampness/Seepage on Wall No. 2 & 3 of Room No. 6 of H.No.284, Second floor



Photo 86

Dampness/Seepage on Wall No. 1 of Room No. 6 of H.No.284, Second floor



Photo 87

Peeling of Plaster on Roof of Room No. 1 of H.No.284, Second floor



Photo 88

Dampness/Seepage on Wall No. 1 & 3 of Room No. 1 of H.No.284, Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 89

Dampness/Seepage on Wall No. 2 & 4 of Room No. 1 of H.No.284, Second floor



Photo 90

Dampness/Seepage on All Wall of Staircase SF-TF of House No. 284 of Second floor



Photo 91

Dampness/Seepage on All Wall of Staircase SF-TF of House No. 284 of Second floor



Photo 92

Dampness/Seepage on Wall No. 4 of Sky Open Lobby of House No. 284 of Third floor



Photo 93

Dampness/Seepage on Wall No. 2 of Sky Open Lobby of House No. 284 of Third floor



Photo 94

Dampness/Seepage on Wall No. 3 of Sky Open Lobby of House No. 284 of Third floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 95

Peeling of Plaster on Wall No. 1 of Passage 1 of House No. 284 of Third floor



Photo 96

Peeling of Plaster on Wall No. 1 of Passage 1 of House No. 284 of Third floor



Photo 97

Peeling of Plaster on Wall No. 2 of Passage 1 of House No. 284 of Third floor



Photo 98

Peeling of Plaster on Wall No. 2 of Passage 2 of House No. 284 of Third floor



Photo 99

Peeling of Plaster on Wall No. 1 of Passage 2 of House No. 284 of Third floor



Photo 100

Peeling of Plaster on Wall No. 1 of Sky Open Lobby of House No. 284 of Third floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 101

Peeling of Plaster on All Wall & Floor of Terrace 1 of House No. 284 of Terrace



Photo 102

Peeling of Plaster on All Wall of Terrace 2 of House No. 284 of Terrace



Photo 103

Peeling of Plaster on Wall No. 3 of External Façade of House No. 284 of First floor



Photo 104

Plaster Crack on Wall No. 3 & Sunshade of External Façade of House No. 284 of First floor



Photo 105

Peeling of Plaster on Wall No. 1 of Left Side Wall of House No. 284 of Second floor



Photo 106

Damaged Portion on Wall No. 3 & Sunshade of H.No.284 of First floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 107

Damaged Portion on Wall No. 2 & Sunshade of Right Side Wall of House No. 284 of First floor



Photo 108

Room No. 7 of H.No.284,Ground Floor Locked



Photo 109

Wall No. 4 of Room No. 5 of H.No.284,Ground Floor Covered With Material.



Photo 110

Room No. 4 of H.No.284,Ground Floor Locked



Photo 111

Room No. 2 of H.No.284,Ground Floor Locked

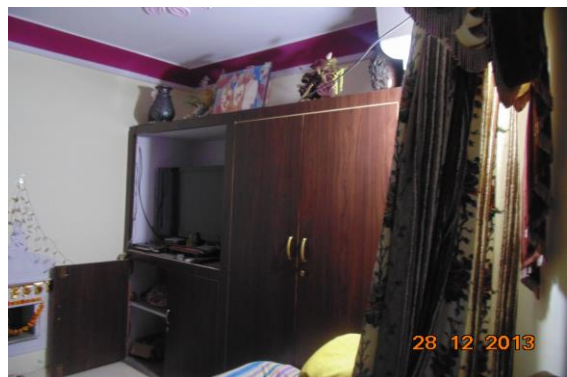


Photo 112

Wall No. 2 of Room No. 1 of H.No.284,First floor Covered With Material.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 113

Wall No. 1 of Room No. 2 of H.No.284, First floor Covered With Material.



Photo 114

Floor of H.No.284, First floor Covered With Tiles



Photo 115

All Wall of Bathroom No. of H.No.284, First floor Covered With Tiles



Photo 116

Room No. 3 of H.No.284, Second floor Covered With Material.



Photo 117

Room No. 2 of H.No.284, Second floor Covered With Material.



Photo 118

Store Room of House No. 284 of Second floor Covered With Material.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 119
Room No. 4 of H.No.284,Second floor Locked



Photo 120
Room No. 5 of H.No.284,Second floor Locked



Photo 121
Room No. 1 of H.No.284,Third floor Locked



Photo 122
Room No. 2 of H.No.284,Third floor Locked



Photo 123
Room No. 4 of H.No.284,Third floor Locked



Photo 124
Room No. 3 of H.No.284,Third floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 125
Shop No.2 of House No. 284 of Ground floor Locked



Photo 126
All Wall of Shop No.1 of House No. 284 of Ground floor



Photo 127
Roof of Shop No.1 of House No. 284 of Ground floor Covered with False Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 285
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0033

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0033/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Nand Kishor
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1981 and is 32 years old.

There are 5 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0033	H.No. 285		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 285
2	Building Address	House No. 285 Ramganj Bazaar Jaipur
3	Year of Construction	1981
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	32 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Wall No. 4 Passage Ground Floor	Peeling of Plaster	5
2	Wall No. 1 Shop Ground Floor	Dampness/Seepage	6
3	Wall No. 4 Room No. 2 Ground Floor	Dampness/Seepage	7
4	Step Staircase GF to FF	Peeling of Plaster	8
5	Roof Lobby First Floor	Dampness/Seepage	9

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Floor Passage Ground Floor	Covered with Tiles	10
2	Floor Lobby Ground Floor	Covered with Tiles	11
3	Wall No. 1 & 4 Room No. 1 Ground Floor	Covered with Tiles	12
4	Wall No. 2 Room No. 2 First Floor	Covered with wooden	13
5	Wall No. 4 Room No. 2 First Floor	Covered With Almira	14
6	All Walls Room No. 2 Second Floor	Covered	15
7	All Walls Room No. 1 Second Floor	Covered with Tiles	16
8	Wall No. 2, 3 & 4 Toilet No. 1 Second Floor	Covered with Tiles	17
9	Bottom Portion Toilet No. 1 Third Floor	Covered with Tiles	18

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Room No.1



Photo 2
View of Room No.1, Third Floor



Photo 3
View of Room No.2, Third Floor



Photo 4
View of Terrace, Third Floor



Photo 5
Peeling of Plaster on Wall No. 4 of Passage of Ground Floor



Photo 6
Dampness/Seepage on Wall No. 1 of Shop of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

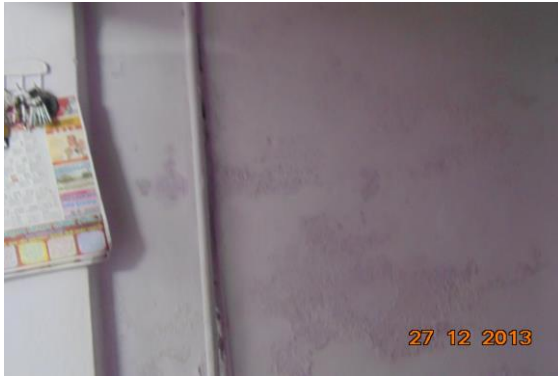


Photo 7

Dampness/Seepage on Wall No. 4 of Room No. 2 of Ground Floor



Photo 8

Peeling of Plaster on Step of Staircase GF to FF of



Photo 9

Dampness/Seepage on Roof of Lobby of First Floor



Photo 10

Floor of Passage of Ground Floor Covered with Tiles



Photo 11

Floor of Lobby of Ground Floor Covered with Tiles



Photo 12

Wall No. 1 & 4 of Room No. 1 of Ground Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Wall No. 2 of Room No. 2 of First Floor Covered with wooden



Photo 14
Wall No. 4 of Room No. 2 of First Floor Covered With Almira



Photo 15
All Walls of Room No. 2 of Second Floor Covered



Photo 16
All Walls of Room No. 1 of Second Floor Covered with Tiles



Photo 17
Wall No. 2, 3 & 4 of Toilet No. 1 of Second Floor Covered with Tiles



Photo 18
Bottom Portion of Toilet No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 286 & 287
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0034

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0034/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Ram Kishor
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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3	About the Structure	3
4	Building Ownership Details	3
5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1813 and is 200 years old.

There are 86 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category V (Very Severe)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0034	H.No. 286, 287		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 286 & 287
2	Building Address	House No. 286 & 287 Ramganj Bazaar Jaipur
3	Year of Construction	1813
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	200 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	All Walls H.No.286 Ground Floor	Damaged Portion	6
2	All Walls H.No.286 Ground Floor	Damaged Portion	7
3	All Walls H.No.286 Ground Floor	Damaged Portion	8
4	All Walls H.No.286 Ground Floor	Damaged Portion	9
5	All Walls H.No.286 Ground Floor	Damaged Portion	10
6	All Walls H.No.286 Ground Floor	Damaged Portion	11
7	All Walls H.No.286 Ground Floor	Damaged Portion	12
8	All Walls H.No.287 Ground Floor	Damaged Portion	13
9	All Walls H.No.287 Ground Floor	Damaged Portion	14
10	All Walls H.No.287 Ground Floor	Damaged Portion	15
11	All Walls H.No.287 Ground Floor	Damaged Portion	16
12	All Walls H.No.287 Ground Floor	Damaged Portion	17
13	Wall No. 3 Passage, H.No.287 Ground Floor	Damaged Portion	18
14	Wall No. 4 & Roof Passage, H.No.287 Ground Floor	Damaged Portion	19
15	Wall No. 2 & Roof Passage, H.No.287 Ground Floor	Damaged Portion	20
16	Roof Staircase GF to FF, H.No.287 Ground Floor	Damaged Portion	21
17	Wall No. 3 Staircase GF to FF, H.No.287 Ground Floor	Damaged Portion	22
18	Wall No. 1 Staircase GF to FF, H.No.287 Ground Floor	Damaged Portion	23
19	Wall No. 4 Staircase GF to FF, H.No.287 Ground Floor	Damaged Portion	24
20	Wall No. 2 Staircase GF to FF, H.No.287 Ground Floor	Damaged Portion	25
21	Wall No. 4 Room No. 1 First Floor	Damaged Portion	26
22	Wall No. 2 Room No. 1 First Floor	Damaged Portion	27
23	Roof Room No. 2 First Floor	Damaged Portion	28
24	Wall No. 1 Room No. 2 First Floor	Damaged Portion	29
25	Wall No. 3 Room No. 2 First Floor	Damaged Portion	30
26	Wall No. All Walls & Roofs Passage First Floor	Damaged Portion	31
27	All Walls & Roofs H.No.286 First Floor	Damaged Portion	32
28	All Walls & Roofs H.No.286 First Floor	Damaged Portion	33
29	All Walls & Roofs H.No.286 First Floor	Damaged Portion	34
30	All Walls & Roofs H.No.286 First Floor	Damaged Portion	35
31	Open Area, H.No.287 First Floor	Damaged Portion	36
32	Wall No. 2 & Roof Open Area, H.No.287 First Floor	Damaged Portion	37
33	Wall No. 3 Open Area, H.No.287 First Floor	Damaged Portion	38
34	Wall No. 1 Open Area, H.No.287 First Floor	Damaged Portion	39
35	Wall No. 3 Staircase FF to SF, H.No.287 First Floor	Damaged Portion	40
36	Wall No. 1 Staircase FF to SF, H.No.287 First Floor	Damaged Portion	41
37	Wall No. 2 Staircase FF to SF, H.No.287 First Floor	Damaged Portion	42
38	Roof Staircase FF to SF, H.No.287 First Floor	Damaged Portion	43

39	Wall No. 4 Staircase FF to SF, H.No.287 First Floor	Damaged Portion	44
40	Floor Room No. 2 Second Floor	Damaged Portion	45
41	Roof Room No. 2 Second Floor	Damaged Portion	46
42	Roof Varanda, H.No.286 Second Floor	Damaged Portion	47
43	Wall No. 1 Varanda, H.No.286 Second Floor	Damaged Portion	48
44	Wall No. 2 Varanda, H.No.286 Second Floor	Damaged Portion	49
45	Wall No. 3 Varanda, H.No.286 Second Floor	Damaged Portion	50
46	Wall No. 4 Room No. 1 Second Floor	Damaged Portion	51
47	Roof Room No. 1 Second Floor	Damaged Portion	52
48	Wall No. 2 Room No. 1 Second Floor	Damaged Portion	53
49	Wall No. 3 Room No. 1 Second Floor	Damaged Portion	54
50	Wall No. 4 Open Sky, H.No.286 Second Floor	Damaged Portion	55
51	Wall No. 4 Open Sky, H.No.286 Second Floor	Damaged Portion	56
52	Outside Wall Room No. 1 Second Floor	Damaged Portion	57
53	Wall No. 2 Open Sky, H.No.286 Second Floor	Damaged Portion	58
54	Wall No. 3 Open Sky, H.No.286 Second Floor	Damaged Portion	59
55	Floor Open Sky, H.No.286 Second Floor	Damaged Portion	60
56	Wall No. 3 Balcony Second Floor	Peeling of Plaster	61
57	Wall No. 4 Room No. 2 Second Floor	Damaged Portion	62
58	Wall No. 1 Room No. 2 Second Floor	Damaged Portion	63
59	Roof Balcony, H.No.287 Second Floor	Damaged Portion	64
60	Roof Balcony, H.No.287 Second Floor	Damaged Portion	65
61	Wall No. 2 Balcony, H.No.287 Second Floor	Damaged Portion	66
62	Wall No. 1 Staircase SF to TF Second Floor	Damaged Portion	67
63	Wall No. 3 & Roof Staircase SF to TF Second Floor	Damaged Portion	68
64	Roof Room No. 1 Third Floor	Damaged Portion	69
65	Wall No. 1 & 4 Room No. 1 Third Floor	Damaged Portion	70
66	Wall No. 2 Room No. 1 Third Floor	Damaged Portion	71
67	Wall No. 3 Room No. 1 Third Floor	Damaged Portion	72
68	Outside Wall Room No. 1 Third Floor	Damaged Portion	73
69	Outside Wall Room No. 1 Third Floor	Damaged Portion	74
70	Wall No. 4 Open Area No.1 Third Floor	Damaged Portion	75
71	Wall No. 4 Open Area No.1 Third Floor	Damaged Portion	76
72	All Walls Open Area No.2 Third Floor	Damaged Portion	77
73	Outside Wall Room No. 2 Third Floor	Damaged Portion	78
74	SunShade Room No. 2 Third Floor	Damaged Portion	79
75	Open Area No.3 Third Floor	Damaged Portion	80
76	Steps Staircase TF to Terrace	Damaged Portion	81
77	All Walls H.No.287 Terrace	Damaged Portion	82
78	All Walls H.No.287 Terrace	Damaged Portion	83
79	Floor Open Area No.1 Terrace	Damaged Portion	84
80	Wall No. 4 Shop Ground Floor	Peeling of Plaster	85
81	Wall No. 4 Shop No.2 Ground Floor	Peeling of Plaster	86
82	Outer wall H.No.286 Ground Floor	Peeling of Plaster	87
83	Outer wall H.No.286 Ground Floor	Peeling of Plaster	88
84	Outer wall H.No.286 Ground Floor	Peeling of Plaster	89
85	Outer wall Building Ground Floor	Peeling of Plaster	90
86	SunShade Building Second Floor	Peeling of Plaster	91

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Room No. 1 First Floor	Locked	92
2	Room No. 2 First Floor	Locked	93

3	Room No. 1 Second Floor	Locked	94
4	Room No. 3 Second Floor	Locked	95
5	Room No. 2 & 3 Third Floor	Locked	96



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2
View of Shop, Ground Floor



Photo 3
View of shop Saraswati Jewellers, Ground Floor



Photo 4
View of Building, Ground Floor



Photo 5
View of Building, Ground Floor



Photo 6
Damaged Portion on All Walls of H.No.286 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Damaged Portion on All Walls of H.No.286 of Ground Floor



Photo 8

Damaged Portion on All Walls of H.No.286 of Ground Floor



Photo 9

Damaged Portion on All Walls of H.No.286 of Ground Floor



Photo 10

Damaged Portion on All Walls of H.No.286 of Ground Floor



Photo 11

Damaged Portion on All Walls of H.No.286 of Ground Floor



Photo 12

Damaged Portion on All Walls of H.No.286 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Damaged Portion on All Walls of H.No.287 of Ground Floor



Photo 14

Damaged Portion on All Walls of H.No.287 of Ground Floor



Photo 15

Damaged Portion on All Walls of H.No.287 of Ground Floor



Photo 16

Damaged Portion on All Walls of H.No.287 of Ground Floor



Photo 17

Damaged Portion on All Walls of H.No.287 of Ground Floor



Photo 18

Damaged Portion on Wall No. 3 of Passage, H.No.287 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Damaged Portion on Wall No. 4 & Roof of Passage, H.No.287 of Ground Floor



Photo 20

Damaged Portion on Wall No. 2 & Roof of Passage, H.No.287 of Ground Floor



Photo 21

Damaged Portion on Roof of Staircase GF to FF, H.No.287 of Ground Floor



Photo 22

Damaged Portion on Wall No. 3 of Staircase GF to FF, H.No.287 of Ground Floor



Photo 23

Damaged Portion on Wall No. 1 of Staircase GF to FF, H.No.287 of Ground Floor



Photo 24

Damaged Portion on Wall No. 4 of Staircase GF to FF, H.No.287 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Damaged Portion on Wall No. 2 of Staircase GF to FF, H.No.287 of Ground Floor



Photo 26

Damaged Portion on Wall No. 4 of Room No. 1 of First Floor



Photo 27

Damaged Portion on Wall No. 2 of Room No. 1 of First Floor



Photo 28

Damaged Portion on Roof of Room No. 2 of First Floor



Photo 29

Damaged Portion on Wall No. 1 of Room No. 2 of First Floor



Photo 30

Damaged Portion on Wall No. 3 of Room No. 2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31

Damaged Portion on All Walls & Roofs of Passage of First Floor



Photo 32

Damaged Portion on All Walls & Roofs of H.No.286 of First Floor



Photo 33

Damaged Portion on All Walls & Roofs of H.No.286 of First Floor



Photo 34

Damaged Portion on All Walls & Roofs of H.No.286 of First Floor



Photo 35

Damaged Portion on All Walls & Roofs of H.No.286 of First Floor



Photo 36

Damaged Portion on Open Area, H.No.287 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 37

Damaged Portion on Wall No. 2 & Roof of Open Area, H.No.287 of First Floor



Photo 38

Damaged Portion on Wall No. 3 of Open Area, H.No.287 of First Floor



Photo 39

Damaged Portion on Wall No. 1 of Open Area, H.No.287 of First Floor



Photo 40

Damaged Portion on Wall No. 3 of Staircase FF to SF, H.No.287 of First Floor



Photo 41

Damaged Portion on Wall No. 1 of Staircase FF to SF, H.No.287 of First Floor



Photo 42

Damaged Portion on Wall No. 2 of Staircase FF to SF, H.No.287 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 43

Damaged Portion on Roof of Staircase FF to SF, H.No.287 of First Floor



Photo 44

Damaged Portion on Wall No. 4 of Staircase FF to SF, H.No.287 of First Floor



Photo 45

Damaged Portion on Floor of Room No. 2 of Second Floor



Photo 46

Damaged Portion on Roof of Room No. 2 of Second Floor



Photo 47

Damaged Portion on Roof of Varanda, H.No.286 of Second Floor



Photo 48

Damaged Portion on Wall No. 1 of Varanda, H.No.286 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 49

Damaged Portion on Wall No. 2 of Varanda, H.No.286 of Second Floor



Photo 50

Damaged Portion on Wall No. 3 of Varanda, H.No.286 of Second Floor



Photo 51

Damaged Portion on Wall No. 4 of Room No. 1 of Second Floor



Photo 52

Damaged Portion on Roof of Room No. 1 of Second Floor



Photo 53

Damaged Portion on Wall No. 2 of Room No. 1 of Second Floor



Photo 54

Damaged Portion on Wall No. 3 of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 55

Damaged Portion on Wall No. 4 of Open Sky, H.No.286 of Second Floor



Photo 56



Photo 57

Damaged Portion on Outside Wall of Room No. 1 of Second Floor



Photo 58

Damaged Portion on Wall No. 2 of Open Sky, H.No.286 of Second Floor



Photo 59

Damaged Portion on Wall No. 3 of Open Sky, H.No.286 of Second Floor



Photo 60

Damaged Portion on Floor of Open Sky, H.No.286 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 61
Peeling of Plaster on Wall No. 3 of Balcony of Second Floor



Photo 62
Damaged Portion on Wall No. 4 of Room No. 2 of Second Floor



Photo 63
Damaged Portion on Wall No. 1 of Room No. 2 of Second Floor



Photo 64
Damaged Portion on Roof of Balcony, H.No.287 of Second Floor



Photo 65
Damaged Portion on Roof of Balcony, H.No.287 of Second Floor



Photo 66
Damaged Portion on Wall No. 2 of Balcony, H.No.287 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 67

Damaged Portion on Wall No. 1 of Staircase SF to TF of Second Floor



Photo 68

Damaged Portion on Wall No. 3 & Roof of Staircase SF to TF of Second Floor



Photo 69

Damaged Portion on Roof of Room No. 1 of Third Floor



Photo 70

Damaged Portion on Wall No. 1 & 4 of Room No. 1 of Third Floor



Photo 71

Damaged Portion on Wall No. 2 of Room No. 1 of Third Floor



Photo 72

Damaged Portion on Wall No. 3 of Room No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 73
Damaged Portion on Outside Wall of Room No. 1 of Third Floor



Photo 74
Damaged Portion on Outside Wall of Room No. 1 of Third Floor



Photo 75
Damaged Portion on Wall No. 4 of Open Area No.1 of Third Floor



Photo 76
Damaged Portion on Wall No. 4 of Open Area No.1 of Third Floor



Photo 77
Damaged Portion on All Walls of Open Area No.2 of Third Floor



Photo 78
Damaged Portion on Outside Wall of Room No. 2 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 79
Damaged Portion on SunShade of Room No. 2 of Third Floor



Photo 80
Damaged Portion on Open Area No.3 of Third Floor



Photo 81
Damaged Portion on Steps of Staircase TF to Terrace of



Photo 82
Damaged Portion on All Walls of H.No.287 of Terrace



Photo 83
Damaged Portion on All Walls of H.No.287 of Terrace



Photo 84
Damaged Portion on Floor of Open Area No.1 of Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 85
Peeling of Plaster on Wall No. 4 of Shop of Ground Floor



Photo 86
Peeling of Plaster on Wall No. 4 of Shop No.2 of Ground Floor



Photo 87
Peeling of Plaster on Outer wall of H.No.286 of Ground Floor



Photo 88
Peeling of Plaster on Outer wall of H.No.286 of Ground Floor



Photo 89
Peeling of Plaster on Outer wall of H.No.286 of Ground Floor



Photo 90
Peeling of Plaster on Outer wall of Building of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 91
Peeling of Plaster on SunShade of Building of Second Floor



Photo 92
Room No. 1 of First Floor Locked



Photo 93
Room No. 2 of First Floor Locked



Photo 94
Room No. 1 of Second Floor Locked



Photo 95
Room No. 3 of Second Floor Locked



Photo 96
Room No. 2 & 3 of Third Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 288
Maniram Ji Kothi ka Rasta
Jaipur
Unique ID: BC RA DN 0035

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0035/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Ganpat
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1983 and is 30 years old.

There are 22 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0035	H.No. 288		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 288
2	Building Address	House No. 288 Maniram Ji Kothi ka Rasta Jaipur
3	Year of Construction	1983
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	30 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	Two Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Wall No. 4 Shop Ground Floor	Dampness/Seepage	2
2	Wall No. 4 Shop Ground Floor	Dampness/Seepage	3
3	Wall No. 2 Staircase GF to FF Ground Floor	Dampness/Seepage	4
4	Wall No. 1 Staircase GF to FF Ground Floor	Dampness/Seepage	5
5	Wall No. 2 & 4 Staircase GF to FF Ground Floor	Dampness/Seepage	6
6	Wall No. 1 Staircase GF to FF Ground Floor	Damaged Portion	7
7	Wall No. 4 & Roof Room No. 1 First Floor	Dampness/Seepage	8
8	Wall No. 1 Toilet No. 1 First Floor	Peeling of Plaster	9
9	Wall No. 3, 4 & Roof Toilet No. 1 First Floor	Peeling of Plaster	10
10	Wall No. 4 Toilet No. 1 Second Floor	Dampness/Seepage	11
11	Wall No. 2 Staircase FF to SF Second Floor	Peeling of Plaster	12
12	Wall No. 1 Staircase FF to SF Second Floor	Peeling of Plaster	13
13	Wall No. 2 Staircase FF to SF Second Floor	Dampness/Seepage	14
14	Wall No. 2 Toilet No. 1 Third Floor	Dampness/Seepage	15
15	Wall No. 4 Toilet No. 1 Third Floor	Dampness/Seepage	16
16	Wall No. 4 Toilet No. 1 Third Floor	Peeling of Plaster	17
17	Wall No. 2 Staircase TF to Fourth Third Floor	Peeling of Plaster	18
18	Wall No. 1 Staircase TF to Fourth Third Floor	Peeling of Plaster	19
19	Roof Staircase TF to Fourth Third Floor	Damaged Portion	20
20	Wall No. 2 & 4 Room No. 1 Fourth Floor	Dampness/Seepage	21
21	Wall No. 2 & 4 Room No. 1 Fourth Floor	Dampness/Seepage	22
22	Wall No. Floor Room No. 1 Fourth Floor	Peeling of Plaster	23

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2, 3 & 4 Toilet No. 1 First Floor	Covered with Tiles	24
2	Wall No. Bottam Portion Room No. 1 Fourth Floor	Covered with Marbel	25

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Tinshed Room



Photo 2
Dampness/Seepage on Wall No. 4 of Shop of Ground Floor



Photo 3
Dampness/Seepage on Wall No. 4 of Shop of Ground Floor

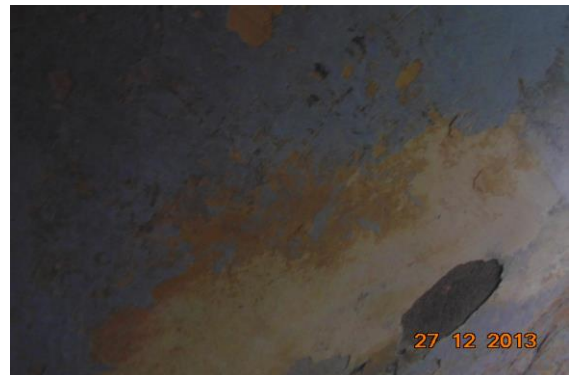


Photo 4
Dampness/Seepage on Wall No. 2 of Staircase GF to FF of Ground Floor



Photo 5
Dampness/Seepage on Wall No. 1 of Staircase GF to FF of Ground Floor



Photo 6
Dampness/Seepage on Wall No. 2 & 4 of Staircase GF to FF of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Damaged Portion on Wall No. 1 of Staircase GF to FF of Ground Floor



Photo 8

Dampness/Seepage on Wall No. 4 & Roof of Room No. 1 of First Floor



Photo 9

Peeling of Plaster on Wall No. 1 of Toilet No. 1 of First Floor



Photo 10

Peeling of Plaster on Wall No. 3, 4 & Roof of Toilet No. 1 of First Floor



Photo 11

Dampness/Seepage on Wall No. 4 of Toilet No. 1 of Second Floor



Photo 12

Peeling of Plaster on Wall No. 2 of Staircase FF to SF of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Peeling of Plaster on Wall No. 1 of Staircase FF to SF of Second Floor



Photo 14

Dampness/Seepage on Wall No. 2 of Staircase FF to SF of Second Floor



Photo 15

Dampness/Seepage on Wall No. 2 of Toilet No. 1 of Third Floor



Photo 16

Dampness/Seepage on Wall No. 4 of Toilet No. 1 of Third Floor



Photo 17

Peeling of Plaster on Wall No. 4 of Toilet No. 1 of Third Floor



Photo 18

Peeling of Plaster on Wall No. 2 of Staircase TF to Fourth of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Peeling of Plaster on Wall No. 1 of Staircase TF to Fourth of Third Floor



Photo 20

Damaged Portion on Roof of Staircase TF to Fourth of Third Floor



Photo 21

Dampness/Seepage on Wall No. 2 & 4 of Room No. 1 of Fourth Floor



Photo 22

Dampness/Seepage on Wall No. 2 & 4 of Room No. 1 of Fourth Floor



Photo 23

Peeling of Plaster on Floor of Room No. 1 of Fourth Floor



Photo 24

Wall No. 2, 3 & 4 of Toilet No. 1 of First Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Bottom Portion of Room No. 1 of Fourth Floor Covered with Marbel

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 29091
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0036

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0036/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Vijay Soni
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1950 and is 63 years old.

There are 6 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0036/1			
BC-RA/DL/0036/2			
BC-RA/DL/0036/3			
BC-RA-DL/0036/Temple			
BC-RA-DL/0036/GF-FF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 29091
2	Building Address	House No. 29091 Ramganj Bazaar Jaipur
3	Year of Construction	1950
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	92m
8	Approximate Area	Not Known
9	Age of Building	63 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Room No. 2 House No.289,First Floor	Peeling of Plaster	9
2	Roof Balcony of House No.289 First Floor	Dampness/Seepage	10
3	Wall No. 1 & 4 Staircase FF-Terrace of House No.289 First Floor	Dampness/Seepage	11
4	Wall No. 1 & 3 Staircase FF-Terrace of House No.289 First Floor	Dampness/Seepage	12
5	Wall No. 3 House No.289 Ground Floor	Dampness/Seepage	13
6	Floor Temple Ground Floor	Damaged Portion	14

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Room No. 1 House No.289,First Floor	Locked	15
2	Shop No.3 Ground Floor	Locked	16
3	All Wall & Roof Shop No.1 Ground Floor	Covered With Materials.	17

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Right Side View of House No.289



Photo 2
View of Room No. 1, House No.289, First Floor



Photo 3
General View of House No.289, Terrace



Photo 4
Right Side View of House No.289, Ground Floor



Photo 5
Front View of Temple, Ground Floor



Photo 6
Front View of Shop No.1, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Front View of Shop No.2, Ground Floor



Photo 8
General View of Shop No.2, Ground Floor



Photo 9
Peeling of Plaster on Room No. 2 of House No.289, First Floor



Photo 10
Dampness/Seepage on Roof of Balcony of House No.289 of First Floor



Photo 11
Dampness/Seepage on Wall No. 1 & 4 of Staircase FF-Terrace of House No.289 of First Floor



Photo 12
Dampness/Seepage on Wall No. 1 & 3 of Staircase FF-Terrace of House No.289 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Dampness/Seepage on Wall No. 3 of House No.289 of Ground Floor



Photo 14
Damaged Portion on Floor of Temple of Ground Floor

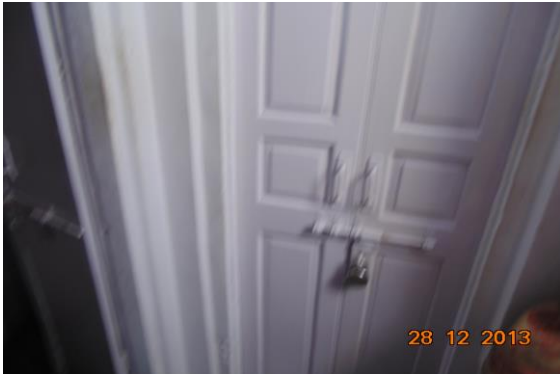


Photo 15
Room No. 1 of House No.289, First Floor Locked



Photo 16
Shop No.3 of Ground Floor Locked



Photo 17
All Wall & Roof of Shop No.1 of Ground Floor Covered With Materials.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 29091
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0037

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0037/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Vijay Soni
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1950 and is 63 years old.

There are 48 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0037	H.No. 90		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 29091
2	Building Address	House No. 29091 Ramganj Bazaar Jaipur
3	Year of Construction	1950
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	92m
8	Approximate Area	Not Known
9	Age of Building	63 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Passage of House No 290 & 291 Ground Floor	Dampness/Seepage	6
2	Roof Passage of House No 290 & 291 Ground Floor	Dampness/Seepage	7
3	Wall No. 4 Passage of House No 290 & 291 Ground Floor	Peeling of Plaster	8
4	Wall No. 2 Passage of House No 290 & 291 Ground Floor	Peeling of Plaster	9
5	Wall No. 1 Passage of House No 290 & 291 Ground Floor	Peeling of Plaster	10
6	Wall No. 3 Passage of House No 290 & 291 Ground Floor	Dampness/Seepage	11
7	Wall No. 4 & Sun Shade Open Sky Lobby of House No 290 & 291 Ground Floor	Dampness/Seepage	12
8	Wall No. 4 & Sun Shade Open Sky Lobby of House No 290 & 291 Ground Floor	Dampness/Seepage	13
9	Wall No. 2 & Sun Shade Open Sky Lobby of House No 290 & 291 Ground Floor	Dampness/Seepage	14
10	Wall No. 3 & Sun Shade Open Sky Lobby of House No 290 & 291 Ground Floor	Dampness/Seepage	15
11	Wall No. 4 Open Sky Lobby of House No 290 & 291 Ground Floor	Dampness/Seepage	16
12	Roof Varanda of House No 290 & 291 Ground Floor	Dampness/Seepage	17
13	Wall No. 1 Varanda of House No 290 & 291 Ground Floor	Dampness/Seepage	18
14	Wall No. 4 Varanda of House No 290 & 291 Ground Floor	Dampness/Seepage	19
15	Roof Room No. 2 House No 290 & 291, Ground Floor	Dampness/Seepage	20
16	Wall No. 4 Room No. 2 House No 290 & 291, Ground Floor	Dampness/Seepage	21
17	Wall No. 1 Room No. 2 House No 290 & 291, Ground Floor	Dampness/Seepage	22
18	Wall No. 2 Room No. 2 House No 290 & 291, Ground Floor	Dampness/Seepage	23
19	Wall No. 3 Room No. 2 House No 290 & 291, Ground Floor	Dampness/Seepage	24
20	Wall No. 4 Room No. 3 House No 290 & 291, Ground Floor	Dampness/Seepage	25
21	Wall No. 2 Room No. 3 House No 290 & 291, Ground Floor	Dampness/Seepage	26
22	Wall No. 3 & Roof Room No. 3 House No 290 & 291, Ground Floor	Dampness/Seepage	27
23	Wall No. 1 & 4 Staire Case Gf-Ff of House No 290 & 291 Ground Floor	Peeling of Plaster	28
24	Staire Case Gf-Ff Steps of House No 290 & 291 Ground Floor	Damaged Portion	29
25	Wall No. 2 Staire Case Gf-Ff of House No 290 & 291 Ground Floor	Peeling of Plaster	30
26	Roof Staire Case Gf-Ff of House No 290 & 291 Ground Floor	Dampness/Seepage	31
27	Wall No. 1 & Sun Shade Sky Open Lobby of House No 290 & 291 First Floor	Dampness/Seepage	32
28	Wall No. 3 Sky Open Lobby of House No 290 & 291 First Floor	Dampness/Seepage	33

29	Wall No. 4 & Sun Shade Sky Open Lobby of House No 290 & 291 First Floor	Peeling of Plaster	34
30	Wall No. 1 Room No. 2 House No 290 & 291,First Floor	Dampness/Seepage	35
31	Wall No. 4 Room No. 2 House No 290 & 291,First Floor	Dampness/Seepage	36
32	Roof Room No. 3 House No 290 & 291,First Floor	Peeling of Plaster	37
33	Roof Room No. 3 House No 290 & 291,First Floor	Peeling of Plaster	38
34	Roof Room No. 3 House No 290 & 291,First Floor	Peeling of Plaster	39
35	Wall No. 2 Passage of House No 290 & 291 First Floor	Peeling of Plaster	40
36	Wall No. 2 Room No. 3 House No 290 & 291,First Floor	Plaster Crack	41
37	Wall No. 4 Room No. 4 House No 290 & 291,First Floor	Peeling of Plaster	42
38	Wall No. 2, 3 & Roof Room No. 4 House No 290 & 291,First Floor	Damaged Portion	43
39	Wall No. 2, 3 & Roof Room No. 4 House No 290 & 291,First Floor	Damaged Portion	44
40	Wall No. 2 & 3 Staire Case Ff-Sf of House No 290 & 291 First Floor	Peeling of Plaster	45
41	Roof Staire Case Ff-Sf of House No 290 & 291 First Floor	Damaged Portion	46
42	Wall No. 4 Sky Open Lobby of House No 290 & 291 Second Floor	Plaster Crack	47
43	Wall No. 1 Sky Open Lobby of House No 290 & 291 Second Floor	Dampness/Seepage	48
44	Wall No. 3 Sky Open Lobby of House No 290 & 291 Second Floor	Peeling of Plaster	49
45	Floor Sky Open Lobby of House No 290 & 291 Second Floor	Plaster Crack	50
46	External Façade Front Side of House No 290 & 291 First Floor	Damaged Portion	51
47	External Façade Front Side of House No 290 & 291 First Floor	Damaged Portion	52
48	Main Gate Shade of House No 290 & 291 Ground Floor	Damaged Portion	53

Summary of Areas that Could not be Surveyed

Serial No.	Location	Description	Photo No.
1	Toilet No. 1 Passage of House No 290 & 291,Ground Floor	Locked	54
2	Kitchen of House No 290 & 291 Ground Floor	Locked	55
3	Room No. 1 House No 290 & 291,Ground Floor	Locked	56
4	Toilet No. 1 House No 290 & 291,First Floor	Locked	57
5	Room No. 1 House No 290 & 291,First Floor	Locked	58
6	Wall No. 2 Room No. 3 House No 290 & 291,First Floor		59
7	Room No. 1 House No 290 & 291,Second Floor	Locked	60
8	Staire Case Sf-Terrace of House No 290 & 291 Second Floor	Locked	61
9	Room No. 2 House No 290 & 291,Second Floor	Locked	62
10	Room No. 3 House No 290 & 291,Second Floor	Locked	63
11	Room No. 1 Ground Floor	Covered With Materials.	64
12	All Walls Shop No.1 Veenu Dresses Ground Floor	Covered With Materials.	65

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View



Photo 2
Tin Shade, House No 290 & 291, Second Floor



Photo 3
General View of House No 290 & 291, Ground Floor



Photo 4
General View of House No 290 & 291, Ground Floor



Photo 5
Front View, Ground Floor



Photo 6
Dampness/Seepage on Roof of Passage of House No 290 & 291 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Dampness/Seepage on Roof of Passage of House No 290 & 291 of Ground Floor



Photo 8

Peeling of Plaster on Wall No. 4 of Passage of House No 290 & 291 of Ground Floor



Photo 9

Peeling of Plaster on Wall No. 2 of Passage of House No 290 & 291 of Ground Floor



Photo 10

Peeling of Plaster on Wall No. 1 of Passage of House No 290 & 291 of Ground Floor



Photo 11

Dampness/Seepage on Wall No. 3 of Passage of House No 290 & 291 of Ground Floor



Photo 12

Dampness/Seepage on Wall No. 4 & Sun Shade of Open Sky Lobby of House No 290 & 291 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Dampness/Seepage on Wall No. 4 & Sun Shade of Open Sky Lobby of House No 290 & 291 of Ground Floor



Photo 14

Dampness/Seepage on Wall No. 2 & Sun Shade of Open Sky Lobby of House No 290 & 291 of Ground Floor



Photo 15

Dampness/Seepage on Wall No. 3 & Sun Shade of Open Sky Lobby of House No 290 & 291 of Ground Floor



Photo 16

Dampness/Seepage on Wall No. 4 of Open Sky Lobby of House No 290 & 291 of Ground Floor



Photo 17

Dampness/Seepage on Roof of Varanda of House No 290 & 291 of Ground Floor



Photo 18

Dampness/Seepage on Wall No. 1 of Varanda of House No 290 & 291 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Dampness/Seepage on Wall No. 4 of Varanda of House No 290 & 291 of Ground Floor



Photo 20

Dampness/Seepage on Roof of Room No. 2 of House No 290 & 291, Ground Floor



Photo 21

Dampness/Seepage on Wall No. 4 of Room No. 2 of House No 290 & 291, Ground Floor



Photo 22

Dampness/Seepage on Wall No. 1 of Room No. 2 of House No 290 & 291, Ground Floor



Photo 23

Dampness/Seepage on Wall No. 2 of Room No. 2 of House No 290 & 291, Ground Floor



Photo 24

Dampness/Seepage on Wall No. 3 of Room No. 2 of House No 290 & 291, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Dampness/Seepage on Wall No. 4 of Room No. 3 of House No 290 & 291, Ground Floor



Photo 26

Dampness/Seepage on Wall No. 2 of Room No. 3 of House No 290 & 291, Ground Floor



Photo 27

Dampness/Seepage on Wall No. 3 & Roof of Room No. 3 of House No 290 & 291, Ground Floor



Photo 28

Peeling of Plaster on Wall No. 1 & 4 of Staire Case Gf-Ff of House No 290 & 291 of Ground Floor



Photo 29

Damaged Portion on of Staire Case Gf-Ff Steps of House No 290 & 291 of Ground Floor



Photo 30

Peeling of Plaster on Wall No. 2 of Staire Case Gf-Ff of House No 290 & 291 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31

Dampness/Seepage on Roof of Staire Case Gf-Ff of House No 290 & 291 of Ground Floor



Photo 32

Dampness/Seepage on Wall No. 1 & Sun Shade of Sky Open Lobby of House No 290 & 291 of First Floor



Photo 33

Dampness/Seepage on Wall No. 3 of Sky Open Lobby of House No 290 & 291 of First Floor



Photo 34

Peeling of Plaster on Wall No. 4 & Sun Shade of Sky Open Lobby of House No 290 & 291 of First Floor



Photo 35

Dampness/Seepage on Wall No. 1 of Room No. 2 of House No 290 & 291, First Floor



Photo 36

Dampness/Seepage on Wall No. 4 of Room No. 2 of House No 290 & 291, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 37

Peeling of Plaster on Roof of Room No. 3 of House No 290 & 291, First Floor



Photo 38

Peeling of Plaster on Roof of Room No. 3 of House No 290 & 291, First Floor



Photo 39

Peeling of Plaster on Roof of Room No. 3 of House No 290 & 291, First Floor



Photo 40

Peeling of Plaster on Wall No. 2 of Passage of House No 290 & 291 of First Floor



Photo 41

Plaster Crack on Wall No. 2 of Room No. 3 of House No 290 & 291, First Floor



Photo 42

Peeling of Plaster on Wall No. 4 of Room No. 4 of House No 290 & 291, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 43

Damaged Portion on Wall No. 2, 3 & Roof of Room No. 4 of House No 290 & 291, First Floor



Photo 44

Damaged Portion on Wall No. 2, 3 & Roof of Room No. 4 of House No 290 & 291, First Floor



Photo 45

Peeling of Plaster on Wall No. 2 & 3 of Staire Case Ff-Sf of House No 290 & 291 of First Floor



Photo 46

Damaged Portion on Roof of Staire Case Ff-Sf of House No 290 & 291 of First Floor



Photo 47

Plaster Crack on Wall No. 4 of Sky Open Lobby of House No 290 & 291 of Second Floor

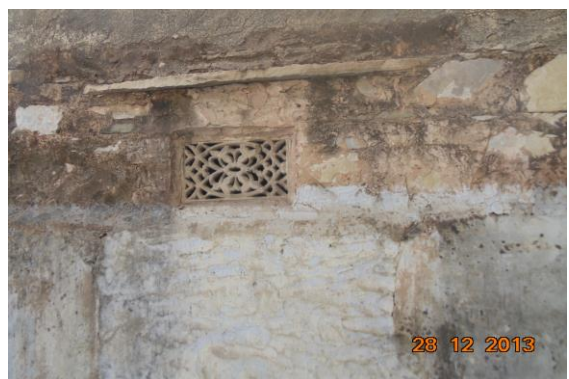


Photo 48

Dampness/Seepage on Wall No. 1 of Sky Open Lobby of House No 290 & 291 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 49

Peeling of Plaster on Wall No. 3 of Sky Open Lobby of House No 290 & 291 of Second Floor



Photo 50

Plaster Crack on Floor of Sky Open Lobby of House No 290 & 291 of Second Floor



Photo 51

Damaged Portion on External Façade Front Side of House No 290 & 291 of First Floor



Photo 52

Damaged Portion on External Façade Front Side of House No 290 & 291 of First Floor



Photo 53

Damaged Portion on Main Gate Shade of House No 290 & 291 of Ground Floor



Photo 54

Toilet No. 1 of Passage of House No 290 & 291, Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 55
Kitchen of House No 290 & 291 of Ground Floor Locked



Photo 56
Room No. 1 of House No 290 & 291, Ground Floor Locked



Photo 57
Toilet No. 1 of House No 290 & 291, First Floor Locked



Photo 58
Room No. 1 of House No 290 & 291, First Floor Locked



Photo 59
Wall No. 2 of Room No. 3 of House No 290 & 291, First Floor



Photo 60
Room No. 1 of House No 290 & 291, Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 61

Staire Case Sf-Terrace of House No 290 & 291 of Second Floor Locked



Photo 62

Room No. 2 of House No 290 & 291, Second Floor Locked



Photo 63

Room No. 3 of House No 290 & 291, Second Floor Locked



Photo 64

Room No. 1 of Ground Floor Covered With Materials.



Photo 65

All Walls of Shop No.1 Veenu Dresses of Ground Floor Covered With Materials.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shoping Complex
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0039

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0039/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Table of Contents

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story RCC Framed Structure having 4 floors. The structure was constructed in year 2006 and is 7 years old.

There are 63 defects in the structure out of which 12 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	12	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.41mm and average length of cracks is 1.78m. The maximum crack width is 0.6mm and minimum width is 0.25mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0039/1	Baba Fancy Corner		
BC-RA/DL/0039/2	Royal Collection		
BC-RA/DL/0039/3	Satguru Tab		
BC-RA/DL/0039/4	Sh. Ganesh Collection		
BC-RA/DL/0039/5	Satguru Fab		
BC-RA/DL/0039/6	Poorva Collection		
BC-RA/DL/0039/7			
BC-RA/DL/00391/GF-TF	H.No. 292		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shoping Complex
2	Building Address	Shoping Complex Ramganj Bazaar Jaipur
3	Year of Construction	2006
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	7 years
10	Type of Structure	RCC
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2 Open Varanda Second Floor	Inclined	0.5	1.5	Very Slight	36, 36A
2	Wall No. 4 Open Varanda Second Floor	Inclined	0.3	4	Very Slight	37, 37A
3	Wall No. 4 Open Varanda Second Floor	Inclined	0.4	1.5	Very Slight	38, 38A
4	Roof Room No. 1 Third Floor	Horizontal	0.6	1.4	Very Slight	39
5	Roof Room No. 1 Third Floor	Horizontal	0.5	2	Very Slight	40
6	Roof Room No. 1 Third Floor	Horizontal	0.35	1.5	Very Slight	41
7	Roof Room No. 1 Third Floor	Horizontal	0.4	1.7	Very Slight	42
8	Wall No. 1 Room No. 1 Third Floor	Vertical	0.35	2.5	Very Slight	43, 43A
9	Wall No. 2 Room No. 1 Third Floor	Inclined	0.5	0.4	Very Slight	44, 44A
10	Wall No. 3 Store No.1 Third Floor	Vertical	0.25	0.6	Very Slight	45, 45A
11	Wall No. 3 Lobby No.2 Third Floor	Vertical	0.4	1.8	Very Slight	46, 46A
12	Wall No. 2 Kitchen Third Floor	Horizontal	0.35	2.4	Very Slight	47

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
13	Wall No. 1 & 4 Toilet No. 2 Ground Floor	Dampness/Seepage	48
14	Wall No. 1, 3 & Roof Varanda Ground Floor	Dampness/Seepage	49
15	Outer Wall Kohtari Ground Floor	Damaged Portion	50
16	Wall No. 4 Kohtari Ground Floor	Damaged Portion	51
17	Wall No. 2 Kohtari Ground Floor	Damaged Portion	52
18	Roof Kohtari Ground Floor	Damaged Portion	53
19	Outer Wall Kohtari Ground Floor	Damaged Portion	54
20	Roof Passage Ground Floor	Damaged Portion	55
21	Roof Varanda Ground Floor	Damaged Portion	56
22	Outer Wall Toilet No. 2 Ground Floor	Dampness/Seepage	57
23	Outer Wall Shop No.1 Ground Floor	Peeling of Plaster	58
24	Wall No. 2 Passage Ground Floor	Peeling of Plaster	59
25	Roof Passage Ground Floor	Peeling of Plaster	60
26	Wall No. 1 Room No. 2 First Floor	Dampness/Seepage	61
27	Wall No. 2 & 4 Room No. 3 First Floor	Dampness/Seepage	62
28	Wall No. 1 & 4 Toilet No. 1 First Floor	Dampness/Seepage	63
29	Wall No. 1 & 4 Store First Floor	Dampness/Seepage	64
30	Wall No. 1 Store First Floor	Peeling of Plaster	65
31	Wall No. 1 Varanda No.1 First Floor	Dampness/Seepage	66
32	Wall No. 1 Varanda No.1 First Floor	Dampness/Seepage	67
33	Wall No. 4 & Roof Open To sky area First Floor	Dampness/Seepage	68
34	Wall No. 2 Room No. 1 First Floor	Peeling of Plaster	69
35	Wall No. 3 Open To Sky First Floor	Damaged Portion	70
36	Wall No. 2 & 4 Shop First Floor	Dampness/Seepage	71
37	Wall No. 1 Hall No. 1 First Floor	Dampness/Seepage	72
38	Wall No. 1 Room No. 1 Second Floor	Dampness/Seepage	73
39	Wall No. 4 & Roof Bathroom No. Second Floor	Dampness/Seepage	74
40	All walls Toilet No. 2 Second Floor	Dampness/Seepage	75

41	Wall No. 1 & 3 Room No. 4 Second Floor	Dampness/Seepage	76
42	Wall No. 2 & 4 Kitchen Second Floor	Dampness/Seepage	77
43	Wall No. 1, 4 & Roof Kitchen Second Floor	Dampness/Seepage	78
44	Wall No. 1 & 4 Kitchen Second Floor	Dampness/Seepage	79
45	Wall No. 2 & 1 Open Varanda Second Floor	Peeling of Plaster	80
46	Wall No. 2 & 4 Store Second Floor	Dampness/Seepage	81
47	Wall No. 1 & 3 Room No. 1 Third Floor	Dampness/Seepage	82
48	Wall No. 3 & Roof Kitchen Third Floor	Dampness/Seepage	83
49	Wall No. 3 Kitchen Third Floor	Dampness/Seepage	84
50	Wall No. 2 Kitchen Third Floor	Dampness/Seepage	85
51	Roof Room No. 2 Third Floor	Peeling of Plaster	86
52	Wall No. 1, 4 & Roof Toilet No. 1 Third Floor	Dampness/Seepage	87
53	Wall No. 2, 4 & Roof Lobby No.2 Third Floor	Dampness/Seepage	88
54	Wall No. 2, 4 & Roof Lobby No.2 Third Floor	Dampness/Seepage	89
55	Roof Store No.2 Third Floor	Peeling of Plaster	90
56	Wall No. 1, 3 & Roof Store No.3 Third Floor	Dampness/Seepage	91
57	Wall No. 2 Store No.3 Third Floor	Peeling of Plaster	92
58	Wall No. 2 Open Area Third Floor	Peeling of Plaster	93
59	Roof Store No.2 Terrace	Dampness/Seepage	94
60	Wall No. 1 & Roof Store No.2 Terrace	Dampness/Seepage	95
61	RHS outer Wall Open Area Terrace	Dampness/Seepage	96
62	Mumty Shade Open Area Terrace	Dampness/Seepage	97
63	Wall No. 4 & 2 Room No. 2 Second Floor	Dampness/Seepage	98

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Baba Fancy Store Ground Floor	Covered with Material	99
2	Wall No. 4 Baba Fancy Store Ground Floor	Covered with Material	100
3	Wall No. 2 Baba Fancy Store Ground Floor	Covered with Material	101
4	Wall No. 1 Royal Collection Ground Floor	Covered with Material	102
5	Wall No. 2 Royal Collection Ground Floor	Covered with Material	103
6	Roof Royal Collection Ground Floor	Covered with Falls Ceiling	104
7	Wall No. 1 & 4 Satguru Fabs Ground Floor	Covered with Material	105
8	Wall No. 2 & 4 Satguru Fabs Ground Floor	Covered with Material	106
9	Roof Satguru Fabs Ground Floor	Covered with Falls Ceiling	107
10	Wall No. 1 & 4 Satguru Fabs Ground Floor	Covered with Material	108
11	Wall No. 2 & 4 Satguru Fabs Ground Floor	Covered with Material	109
12	Roof Satguru Fabs Ground Floor	Covered with Falls Ceiling	110
13	Wall No. 1 & 4 sh. Ganesh Collection Ground Floor	Covered with Material	111
14	Wall No. 2 & 4 sh. Ganesh Collection Ground Floor	Covered with Material	112
15	Roof sh. Ganesh Collection Ground Floor	Covered with Falls Ceiling	113
16	Wall No. 2 & 4 Gori Footwear Ground Floor	Covered with Material	114
17	Wall No. All walls Shop No.2 Ground Floor	Covered with Material	115
18	Toilet No. 2 Ground Floor	Covered with tiles	116
19	Wall No. 2 & 4 Shop No.3 Ground Floor	Covered with Material	117
20	Wall No. 1, 2 & 4 Shop No.1 Ground Floor	Covered with Material	118
21	Shop no.5 Ground Floor	Locked	119
22	Godown Ground Floor	Locked	120
23	Toilet No. 1 Ground Floor	Locked	121
24	Room No. 5 First Floor	Locked	122
25	Room No. 6 First Floor	Locked	123
26	Toilet No. 2 First Floor	Locked	124
27	Wall No. 3, 1 & 2 Room No. 3 Second Floor	Covered with Material	125

28	All walls Bathroom No. Second Floor	Covered with Tiles	126
29	All walls Kitchen Third Floor	Covered with Tiles & Wooden work	127
30	Wall No. 1 Room No. 2 Third Floor	Covered with almira	128
31	Wall No. 2 Room No. 2 Third Floor	Covered with Wooden work	129
32	All walls Toilet No. 1 Third Floor	Covered with Tiles	130
33	Toilet No. 1 Third Floor	Covered with Tiles	131
34	Wall No. 1 Room No. 5 Third Floor	Covered with almira	132
35	Wall No. 1, 4 & 2 Kitchen Third Floor	Covered with marble Work	133
36	Wall No. 2 Kitchen Third Floor	Covered with almira	134
37	Roof Hall No. 1 Third Floor	Covered with falls Ceiling	135
38	Roof Room No. 5 Third Floor	Covered with falls Ceiling	136
39	Wall No. 4 Store Third Floor	Covered with Material	137
40	Wall No. All walls Toilet No. 2 Third Floor	Covered with tiles	138
41	Wall No. 2 Room No. 3 Third Floor	Covered with Wooden work	139
42	Roof Room No. 3 Third Floor	Covered with falls Ceiling	140
43	All walls Toilet No. 1 Terrace	Covered with Tiles	141
44	Room No. 1 Second Floor	Locked	142
45	Kitchen Second Floor	Locked	143
46	Toilet No. 1 Second Floor	Covered with Tiles	144



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Tholia House



Photo 2
View of Baba Fancy Store, Ground Floor



Photo 3
View of royal collection, Ground Floor



Photo 4
View of Satguru Fabs, Ground Floor

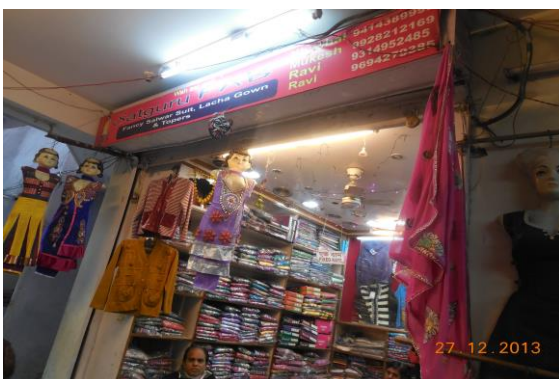


Photo 5
View of Satguru Fabs, Ground Floor



Photo 6
View of Poorva Collection, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of Shop, Ground Floor



Photo 8
View of Shri Ganesh Collection, Ground Floor



Photo 9
View of Goori footwear, Ground Floor



Photo 10
View of Shop, Ground Floor



Photo 11
view of Shop, Ground Floor



Photo 12
View of Store No.1, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

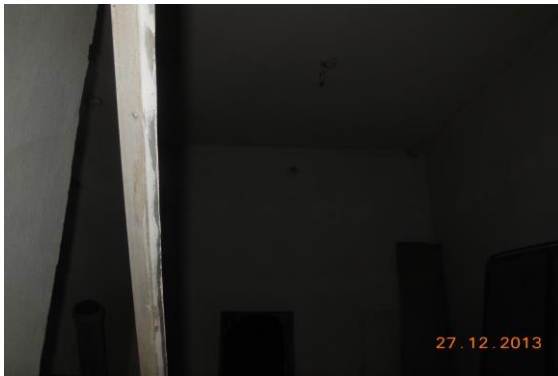


Photo 13
View of Store No.2, Ground Floor



Photo 14
View of Shop No.1, Ground Floor



Photo 15
View of Shop, Ground Floor



Photo 16
View of Shop, Ground Floor



Photo 17
View of Shop, Ground Floor



Photo 18
View of Room no.1, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19
View of Room no.4, First Floor



Photo 20
View of Room no.4, First Floor



Photo 21
View of Kitchen, First Floor



Photo 22
View of Room No.7, First Floor



Photo 23
View of Hall, First Floor



Photo 24
View of Hall, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25
View of Room no.1, Second Floor



Photo 26
View of Room no.2, Second Floor



Photo 27
View of Room No.4, Second Floor



Photo 28
, Third Floor

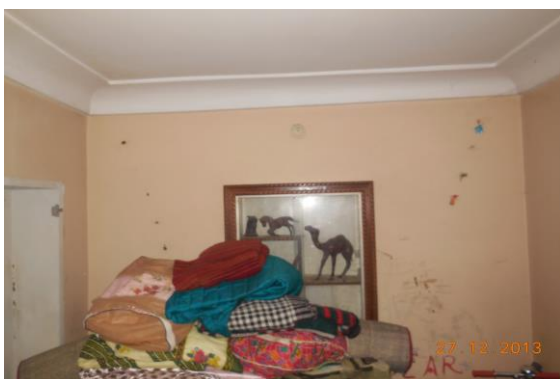


Photo 29
, Third Floor



Photo 30
View of Hall, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31
View of Room No.4, Third Floor



Photo 32
View of Terrace, Terrace



Photo 33
View of Hall, Second Floor



Photo 34
View of Kitchen, Second Floor

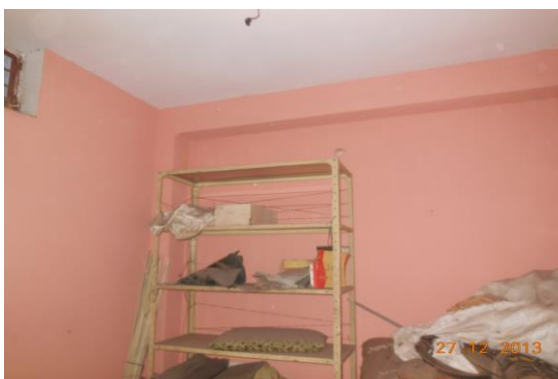


Photo 35
View of Room No.3, Second Floor



Photo 36
Inclined Crack on Wall No. 2 of Open Varanda, Second Floor
Approx. Width = 0.5mm, Approx. Length = 1.5m.
Distance from Wall no.4 = 0m, Height from Floor = 1.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 36A

Inclined Crack on Wall No. 2 of Open Varanda, Second Floor
Approx. Width = 0.5mm, Approx. Length = 1.5m.
Distance from Wall no.4 = 0m, Height from Floor = 1.5m.



Photo 37

Inclined Crack on Wall No. 4 of Open Varanda, Second Floor
Approx. Width = 0.3mm, Approx. Length = 4m.
Distance from Wall No.1 = 1m, Height from Floor = 0.5m.



Photo 37A

Inclined Crack on Wall No. 4 of Open Varanda, Second Floor
Approx. Width = 0.3mm, Approx. Length = 4m.
Distance from Wall No.1 = 1m, Height from Floor = 0.5m.



Photo 38

Inclined Crack on Wall No. 4 of Open Varanda, Second Floor
Approx. Width = 0.4mm, Approx. Length = 1.5m.
Distance from Wall No.2 = 0.8m, Height from Floor = 1.5m.



Photo 38A

Inclined Crack on Wall No. 4 of Open Varanda, Second Floor
Approx. Width = 0.4mm, Approx. Length = 1.5m.
Distance from Wall No.2 = 0.8m, Height from Floor = 1.5m.



Photo 39

Horizontal Crack on Roof of Room No. 1, Third Floor
Approx. Width = 0.6mm, Approx. Length = 1.4m.
Distance from Wall no.1 = 1.5m, Height from Floor = 2.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40

Horizontal Crack on Roof of Room No. 1, Third Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Wall No.2 = 1.2m, Height from Floor = 2.5m.



Photo 41

Horizontal Crack on Roof of Room No. 1, Third Floor
Approx. Width = 0.35mm, Approx. Length = 1.5m.
Distance from Wall no.2 = 0.8m, Height from Floor = 2.5m.



Photo 42

Horizontal Crack on Roof of Room No. 1, Third Floor
Approx. Width = 0.4mm, Approx. Length = 1.7m.
Distance from Wall No.2 = 1.6m, Height from Floor = 2.5m.



Photo 43

Vertical Crack on Wall No. 1 of Room No. 1, Third Floor
Approx. Width = 0.35mm, Approx. Length = 2.5m.
Distance from Wall No.4 = 1.5m, Height from Floor = 1.8m.

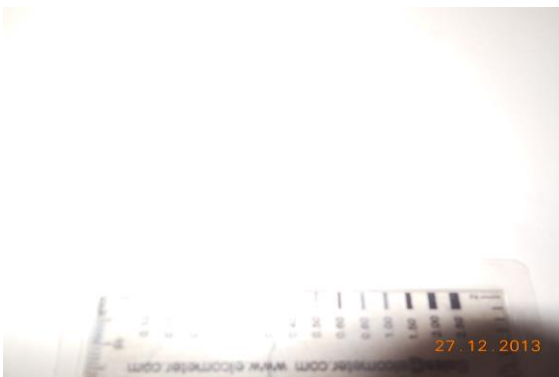


Photo 43A

Vertical Crack on Wall No. 1 of Room No. 1, Third Floor
Approx. Width = 0.35mm, Approx. Length = 2.5m.
Distance from Wall No.4 = 1.5m, Height from Floor = 1.8m.

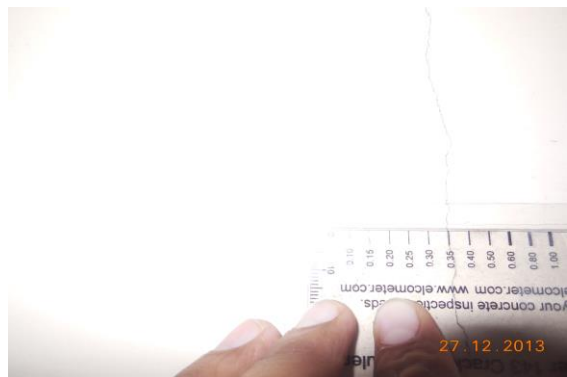


Photo 43A

Vertical Crack on Wall No. 1 of Room No. 1, Third Floor
Approx. Width = 0.35mm, Approx. Length = 2.5m.
Distance from Wall No.4 = 1.5m, Height from Floor = 1.8m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 44

Inclined Crack on Wall No. 2 of Room No. 1, Third Floor
Approx. Width = 0.5mm, Approx. Length = 0.4m.
Distance from Wall no.3 = 1.7m, Height from Floor = 1.8m.

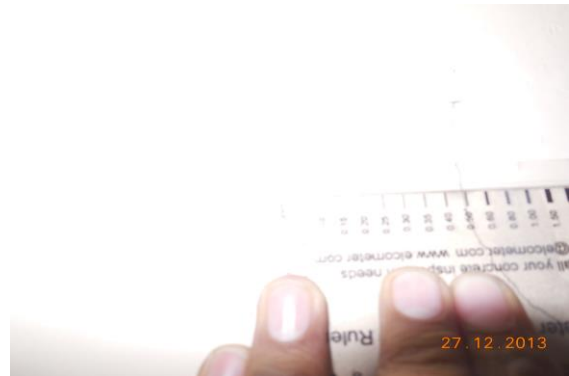


Photo 44A

Inclined Crack on Wall No. 2 of Room No. 1, Third Floor
Approx. Width = 0.5mm, Approx. Length = 0.4m.
Distance from Wall no.3 = 1.7m, Height from Floor = 1.8m.



Photo 45

Vertical Crack on Wall No. 3 of Store No.1, Third Floor
Approx. Width = 0.25mm, Approx. Length = 0.6m.
Distance from Wall no.1 = 0.4m, Height from Floor = 1.8m.

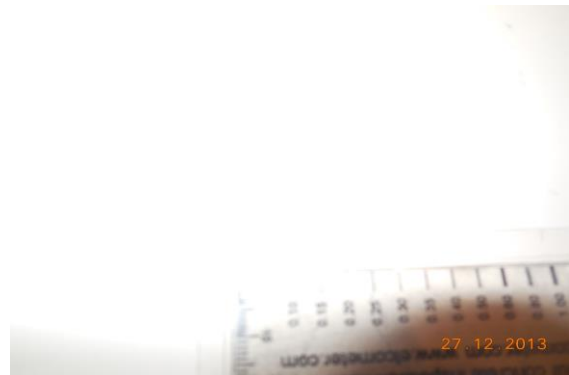


Photo 45A

Vertical Crack on Wall No. 3 of Store No.1, Third Floor
Approx. Width = 0.25mm, Approx. Length = 0.6m.
Distance from Wall no.1 = 0.4m, Height from Floor = 1.8m.



Photo 46

Vertical Crack on Wall No. 3 of Lobby No.2, Third Floor
Approx. Width = 0.4mm, Approx. Length = 1.8m.
Distance from Wall no.1 = 0.2m, Height from Floor = 0m.



Photo 46A

Vertical Crack on Wall No. 3 of Lobby No.2, Third Floor
Approx. Width = 0.4mm, Approx. Length = 1.8m.
Distance from Wall no.1 = 0.2m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 47

Horizontal Crack on Wall No. 2 of Kitchen, Third Floor
Approx. Width = 0.35mm, Approx. Length = 2.4m.
Distance from Wall no.4 = 0m, Height from Floor = 2.5m.



Photo 48

Dampness/Seepage on Wall No. 1 & 4 of Toilet No. 2 of Ground Floor



Photo 49

Dampness/Seepage on Wall No. 1, 3 & Roof of Varanda of Ground Floor



Photo 50

Damaged Portion on Outer Wall of Kohtari of Ground Floor



Photo 51

Damaged Portion on Wall No. 4 of Kohtari of Ground Floor



Photo 52

Damaged Portion on Wall No. 2 of Kohtari of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 53
Damaged Portion on Roof of Kohtari of Ground Floor



Photo 54
Damaged Portion on Outer Wall of Kohtari of Ground Floor



Photo 55
Damaged Portion on Roof of Passage of Ground Floor



Photo 56
Damaged Portion on Roof of Varanda of Ground Floor



Photo 57
Dampness/Seepage on Outer Wall of Toilet No. 2 of Ground Floor



Photo 58
Peeling of Plaster on Outer Wall of Shop No.1 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 59

Peeling of Plaster on Wall No. 2 of Passage of Ground Floor



Photo 60

Peeling of Plaster on Roof of Passage of Ground Floor



Photo 61

Dampness/Seepage on Wall No. 1 of Room No. 2 of First Floor



Photo 62

Dampness/Seepage on Wall No. 2 & 4 of Room No. 3 of First Floor



Photo 63

Dampness/Seepage on Wall No. 1 & 4 of Toilet No. 1 of First Floor



Photo 64

Dampness/Seepage on Wall No. 1 & 4 of Store of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 65
Peeling of Plaster on Wall No. 1 of Store of First Floor



Photo 66
Dampness/Seepage on Wall No. 1 of Varanda No.1 of First Floor



Photo 67
Dampness/Seepage on Wall No. 1 of Varanda No.1 of First Floor



Photo 68
Dampness/Seepage on Wall No. 4 & Roof of Open To sky area of First Floor



Photo 69
Peeling of Plaster on Wall No. 2 of Room No. 1 of First Floor



Photo 70
Damaged Portion on Wall No. 3 of Open To Sky of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 71
Dampness/Seepage on Wall No. 2 & 4 of Shop of First Floor



Photo 72
Dampness/Seepage on Wall No. 1 of Hall No. 1 of First Floor



Photo 73
Dampness/Seepage on Wall No. 1 of Room No. 1 of Second Floor



Photo 74
Dampness/Seepage on Wall No. 4 & Roof of Bathroom No. of Second Floor



Photo 75
Dampness/Seepage on All walls of Toilet No. 2 of Second Floor



Photo 76
Dampness/Seepage on Wall No. 1 & 3 of Room No. 4 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 77

Dampness/Seepage on Wall No. 2 & 4 of Kitchen of Second Floor



Photo 78

Dampness/Seepage on Wall No. 1, 4 & Roof of Kitchen of Second Floor



Photo 79

Dampness/Seepage on Wall No. 1 & 4 of Kitchen of Second Floor



Photo 80

Peeling of Plaster on Wall No. 2 & 1 of Open Varanda of Second Floor



Photo 81

Dampness/Seepage on Wall No. 2 & 4 of Store of Second Floor



Photo 82

Dampness/Seepage on Wall No. 1 & 3 of Room No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 83

Dampness/Seepage on Wall No. 3 & Roof of Kitchen of Third Floor



Photo 84

Dampness/Seepage on Wall No. 3 of Kitchen of Third Floor



Photo 85

Dampness/Seepage on Wall No. 2 of Kitchen of Third Floor



Photo 86

Peeling of Plaster on Roof of Room No. 2 of Third Floor

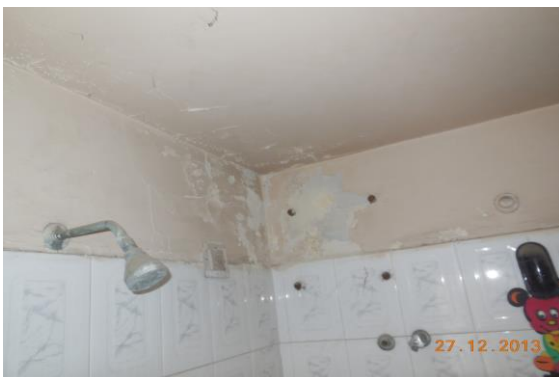


Photo 87

Dampness/Seepage on Wall No. 1, 4 & Roof of Toilet No. 1 of Third Floor



Photo 88

Dampness/Seepage on Wall No. 2, 4 & Roof of Lobby No.2 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 89

Dampness/Seepage on Wall No. 2, 4 & Roof of Lobby No.2 of Third Floor



Photo 90

Peeling of Plaster on Roof of Store No.2 of Third Floor



Photo 91

Dampness/Seepage on Wall No. 1, 3 & Roof of Store No.3 of Third Floor



Photo 92

Peeling of Plaster on Wall No. 2 of Store No.3 of Third Floor



Photo 93

Peeling of Plaster on Wall No. 2 of Open Area of Third Floor



Photo 94

Dampness/Seepage on Roof of Store No.2 of Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 95
Dampness/Seepage on Wall No. 1 & Roof of Store No.2 of Terrace



Photo 96
Dampness/Seepage on Wall No. RHS outer Wall of Open Area of Terrace



Photo 97
Dampness/Seepage on Wall No. Mumty Shade of Open Area of Terrace



Photo 98
Dampness/Seepage on Wall No. 4 & 2 of Room No. 2 of Second Floor



Photo 99
Wall No. 1 of Baba Fancy Store of Ground Floor Covered with Material

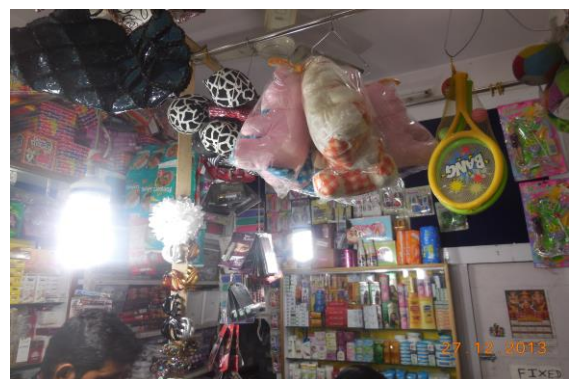


Photo 100
Wall No. 4 of Baba Fancy Store of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 101

Wall No. 2 of Baba Fancy Store of Ground Floor Covered with Material



Photo 102

Wall No. 1 of Royal Collection of Ground Floor Covered with Material



Photo 103

Wall No. 2 of Royal Collection of Ground Floor Covered with Material



Photo 104

Roof of Royal Collection of Ground Floor Covered with Falls Ceiling



Photo 105

Wall No. 1 & 4 of Satguru Fabs of Ground Floor Covered with Material



Photo 106

Wall No. 2 & 4 of Satguru Fabs of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 107

Roof of Satguru Fabs of Ground Floor Covered with Falls Ceiling



Photo 108

Wall No. 1 & 4 of Satguru Fabs of Ground Floor Covered with Material



Photo 109

Wall No. 2 & 4 of Satguru Fabs of Ground Floor Covered with Material



Photo 110

Roof of Satguru Fabs of Ground Floor Covered with Falls Ceiling



Photo 111

Wall No. 1 & 4 of sh. Ganesh Collection of Ground Floor Covered with Material



Photo 112

Wall No. 2 & 4 of sh. Ganesh Collection of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 113

Roof of sh. Ganesh Collection of Ground Floor Covered with Falls Ceiling



Photo 114

Wall No. 2 & 4 of Gori Footwear of Ground Floor Covered with Material



Photo 115

All walls of Shop No.2 of Ground Floor Covered with Material



Photo 116

Toilet No. 2 of Ground Floor Covered with tiles



Photo 117

Wall No. 2 & 4 of Shop No.3 of Ground Floor Covered with Material



Photo 118

Wall No. 1, 2 & 4 of Shop No.1 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 119
Shop no.5 of Ground Floor Locked



Photo 120
Godown of Ground Floor Locked



Photo 121
Toilet No. 1 of Ground Floor Locked



Photo 122
Room No. 5 of First Floor Locked



Photo 123
Room No. 6 of First Floor Locked



Photo 124
Toilet No. 2 of First Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 125

Wall No. 3, 1 & 2 of Room No. 3 of Second Floor Covered with Material



Photo 126

All walls of Bathroom No. of Second Floor Covered with Tiles



Photo 127

All walls of Kitchen of Third Floor Covered with Tiles & Wooden work



Photo 128

Wall No. 1 of Room No. 2 of Third Floor Covered with almira



Photo 129

Wall No. 2 of Room No. 2 of Third Floor Covered with Wooden work



Photo 130

All walls of Toilet No. 1 of Third Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

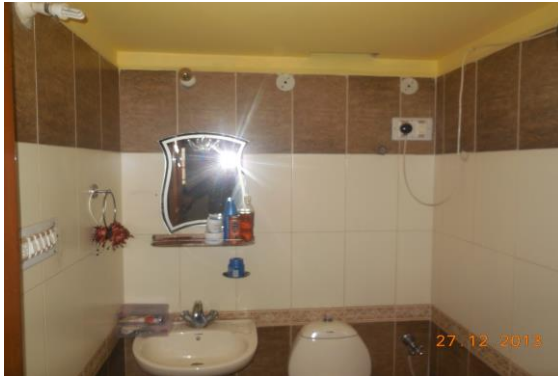


Photo 131
Toilet No. 1 of Third Floor Covered with Tiles



Photo 132
Wall No. 1 of Room No. 5 of Third Floor Covered with almira



Photo 133
Wall No. 1, 4 & 2 of Kitchen of Third Floor Covered with marble Work



Photo 134
Wall No. 2 of Kitchen of Third Floor Covered with almira



Photo 135
Roof of Hall No. 1 of Third Floor Covered with falls Ceiling

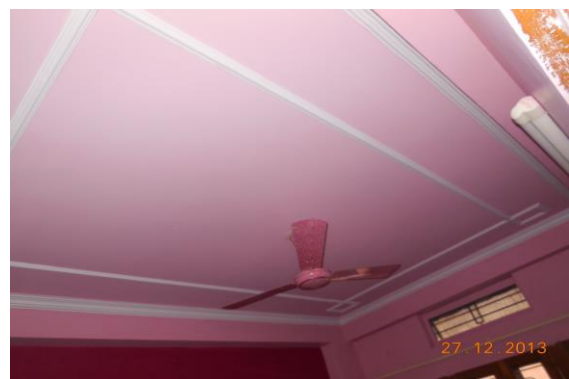


Photo 136
Roof of Room No. 5 of Third Floor Covered with falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 137
Wall No. 4 of Store of Third Floor Covered with Material



Photo 138
All walls of Toilet No. 2 of Third Floor Covered with tiles



Photo 139
Wall No. 2 of Room No. 3 of Third Floor Covered with Wooden work



Photo 140
Roof of Room No. 3 of Third Floor Covered with falls Ceiling



Photo 141
All walls of Toilet No. 1 of Terrace Covered with Tiles

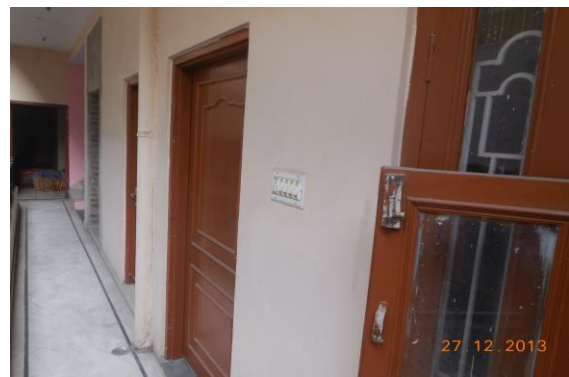


Photo 142
Room No. 1 of Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 143
Kitchen of Second Floor Locked



Photo 144
Toilet No. 1 of Second Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 484
46-48, Ramganj Market
Jaipur
Unique ID: BC RA DN 0040

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0040/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Mohamad Yameen
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1950 and is 63 years old.

There are 27 defects in the structure out of which 11 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	4	36.36%
Slight (1 to 5mm)	7	63.64%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.2mm and average length of cracks is 1.25m. The maximum crack width is 2.5mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0040/46	Yamin Cloth Store		
BC-RA/DL/0040/47	Yamin Sons		
BC-RA/DL/0040/47	Yamin Creation		
BC-RA/DL/0040/48	Rai Medical Store		
BC-RA/DL/0040/FF-TF	House No. 484		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 484
2	Building Address	House No. 484 46-48, Ramganj Market Jaipur
3	Year of Construction	1950
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	63 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Floor Room No. 2 First Floor	Inclined	0.3	2	Very Slight	6
2	Roof Room No. 1 First Floor	Inclined	0.3	1	Very Slight	7
3	Roof Toilet No. 1 First Floor	Horizontal	1	1	Slight	8
4	Wall No. 3 Gallery First Floor	Inclined	2	1	Slight	9
5	Wall No. 1 & Roof Hall No. 1 Second Floor	Vertical	1.5	1.5	Slight	10, 10A
6	Wall No. 2 Passage Second Floor	Inclined	2.5	1	Slight	11, 11A
7	Wall No. 4 Hall No. 1 Third Floor	Inclined	2	2	Slight	12, 12A
8	Wall No. 4 Hall No. 1 Third Floor	Inclined	0.8	1	Very Slight	13, 13A
9	Wall No. 4 Hall No. 1 Third Floor	Inclined	1	2	Slight	14, 14A
10	Wall No. 2 Hall No. 1 Third Floor	Horizontal	0.8	0.3	Very Slight	15, 15A
11	Roof Varanda Shop No. 47, Ground Floor	Inclined	1	1	Slight	16

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
12	Wall No. 4 Passage First Floor	Damaged Portion	17
13	Wall No. 3 Gallery First Floor	Damaged Portion	18
14	Wall No. 3 Gallery First Floor	Damaged Portion	19
15	Shade Gallery First Floor	Peeling of Plaster	20
16	Roof Passage Second Floor	Dampness/Seepage	21
17	Wall No. 1 Passage Second Floor	Dampness/Seepage	22
18	Outer wall No.3 Store Second Floor	Damaged Portion	23
19	Wall No. 2 Hall No. 1 Third Floor	Dampness/Seepage	24
20	Wall No. 1 Lobby Second Floor	Peeling of Plaster	25
21	Steps Staircase Area Second Floor	Damaged Portion	26
22	Wall No. 4 Staircase Area First Floor	Peeling of Plaster	27
23	Roof Varanda Shop No. 46,Ground Floor	Peeling of Plaster	28
24	Roof Varanda Shop No. 47,Ground Floor	Peeling of Plaster	29
25	Beam Varanda Shop No. 47,Ground Floor	Peeling of Plaster	30
26	Roof Shop No. 47 Upper Ground Floor	Peeling of Plaster	31
27	Roof Shop No. 47 Upper Ground Floor	Peeling of Plaster	32

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 3 Room No. 1 First Floor	Covered with Tiles	33
2	All Walls H.No.484 First Floor	Covered	34
3	Room No. 3 Second Floor	Locked	35
4	All Walls Store Second Floor	Covered with Material	36
5	All Walls Room No. 1 Second Floor	Covered with Material	37
6	All Walls Room No. 2 Second Floor	Covered with Material	38
7	Floor Hall No. 1 Third Floor	Covered With Marble	39
8	Room No. 1 Third Floor	Locked	40
9	All Walls Shop No. 46 Ground Floor	Covered with Materials.	41
10	All Walls Shop No. 47 Ground Floor	Covered with Material.	42

11	Roof Shop No. 47 Ground Floor	Covered with Wooden Work.	43
12	Shop No. 48 Ground Floor	Locked	44



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House No. 484 above Shop No.46 to48



Photo 2
View of Room no. 4, First Floor



Photo 3
View of Toilet Under Construction, Third Floor



Photo 4
Ground Floor



Photo 5
View of Shop No. 47, Ground Floor



Photo 6
Inclined Crack on Floor of Room No. 2, First Floor, Approx. Width = 0.3mm, Approx. Length = 2m. , Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

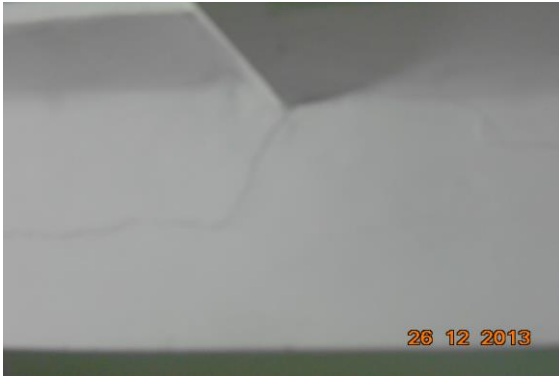


Photo 7

Inclined Crack on Roof of Room No. 1, First Floor, Approx. Width = 0.3mm, Approx. Length = 1m.
 , Height from Floor = m.



Photo 8

Horizontal Crack on Roof of Toilet No. 1, First Floor, Approx. Width = 1mm, Approx. Length = 1m.
 , Height from Floor = m.



Photo 9

Inclined Crack on Wall No. 3 of Gallery, First Floor, Approx. Width = 2mm, Approx. Length = 1m.
 , Height from Floor = m.



Photo 10

Vertical Crack on Wall No. 1 & Roof of Hall No. 1, Second Floor, Approx. Width = 1.5mm, Approx. Length = 1.5m.
 Distance from Wall No. 3 = 1m, Height from Floor = 1.7m.



Photo 10A

Vertical Crack on Wall No. 1 & Roof of Hall No. 1, Second Floor, Approx. Width = 1.5mm, Approx. Length = 1.5m.
 Distance from Wall No. 3 = 1m, Height from Floor = 1.7m.



Photo 11

Inclined Crack on Wall No. 2 of Passage, Second Floor, Approx. Width = 2.5mm, Approx. Length = 1m.
 Distance from Wall No. 3 = 1.05m, Height from Floor = 1.7m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11A

Inclined Crack on Wall No. 2 of Passage, Second Floor, Approx. Width = 2.5mm, Approx. Length = 1m.
Distance from Wall No. 3 = 1.05m, Height from Floor = 1.7m.

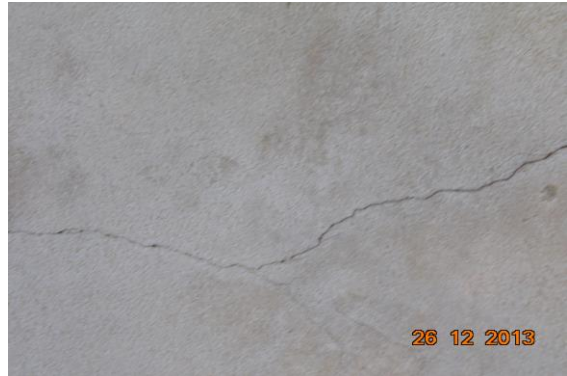


Photo 12

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 2mm, Approx. Length = 2m.
, Height from Floor = m.



Photo 12A

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 2mm, Approx. Length = 2m.
, Height from Floor = m.

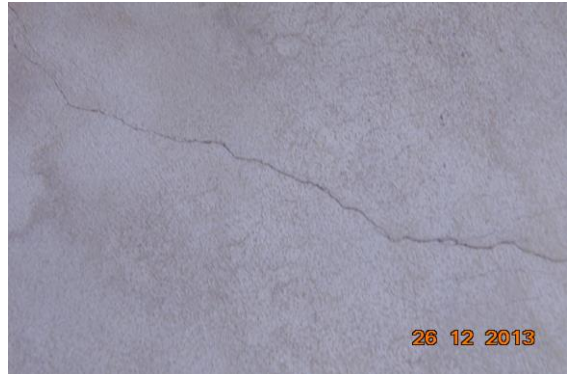


Photo 12A

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 2mm, Approx. Length = 2m.
, Height from Floor = m.



Photo 13

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 0.8mm, Approx. Length = 1m.
Distance from Wall no. 1 = 1.1m, Height from Floor = 0.15m.



Photo 13A

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 0.8mm, Approx. Length = 1m.
Distance from Wall no. 1 = 1.1m, Height from Floor = 0.15m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 14

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 1mm, Approx. Length = 2m.
Height from Floor = m.



Photo 14A

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 1mm, Approx. Length = 2m.
Height from Floor = m.



Photo 14A

Inclined Crack on Wall No. 4 of Hall No. 1, Third Floor, Approx. Width = 1mm, Approx. Length = 2m.
Height from Floor = m.



Photo 15

Horizontal Crack on Wall No. 2 of Hall No. 1, Third Floor, Approx. Width = 0.8mm, Approx. Length = 0.3m.
Distance from Wall no.3 = 2m, Height from Floor = 0.8m.

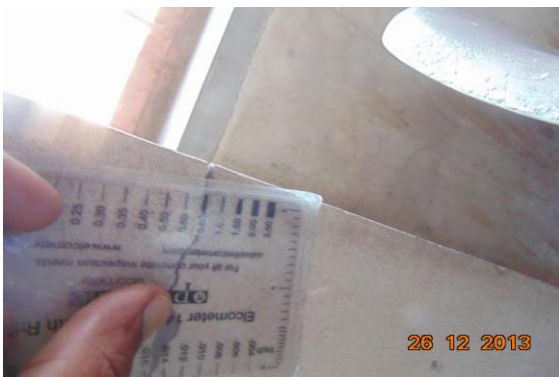


Photo 15A

Horizontal Crack on Wall No. 2 of Hall No. 1, Third Floor, Approx. Width = 0.8mm, Approx. Length = 0.3m.
Distance from Wall no.3 = 2m, Height from Floor = 0.8m.



Photo 16

Inclined Crack on Roof of Veranda, Shop No. 47, Ground Floor, Approx. Width = 1mm, Approx. Length = 1m.
Distance from Left Internal Column = 1.2m, Height from Floor = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 17
Damaged Portion on Wall No. 4 of Passage of First Floor



Photo 18
Damaged Portion on Wall No. 3 of Gallery of First Floor



Photo 19
Damaged Portion on Wall No. 3 of Gallery of First Floor



Photo 20
Peeling of Plaster on Shade of Gallery of First Floor



Photo 21
Dampness/Seepage on Roof of Passage of Second Floor



Photo 22
Dampness/Seepage on Wall No. 1 of Passage of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 23
Damaged Portion on Outer wall No.3 of Store of Second Floor



Photo 24
Dampness/Seepage on Wall No. 2 of Hall No. 1 of Third Floor



Photo 25
Peeling of Plaster on Wall No. 1 of Lobby of Second Floor



Photo 26
Damaged Portion on Steps of Staircase Area of Second Floor



Photo 27
Peeling of Plaster on Wall No. 4 of Staircase Area of First Floor



Photo 28
Peeling of Plaster on Roof of Varanda of Shop No. 46, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29

Peeling of Plaster on Roof of Varanda of Shop No. 47, Ground Floor



Photo 30

Peeling of Plaster on Beam of Varanda of Shop No. 47, Ground Floor



Photo 31

Peeling of Plaster on Roof of Shop No. 47 of Upper Ground Floor



Photo 32

Peeling of Plaster on Roof of Shop No. 47 of Upper Ground Floor



Photo 33

Wall No. 3 of Room No. 1 of First Floor Covered with Tiles



Photo 34

All Walls of H.No.484 of First Floor Covered

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 35
Room No. 3 of Second Floor Locked



Photo 36
All Walls of Store of Second Floor Covered with Material



Photo 37
All Walls of Room No. 1 of Second Floor Covered with Material



Photo 38
All Walls of Room No. 2 of Second Floor Covered with Material



Photo 39
Floor of Hall No. 1 of Third Floor Covered With Marble



Photo 40
Room No. 1 of Third Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 41

All Walls of Shop No. 46 of Ground Floor Covered with Materials.



Photo 42

All Walls of Shop No. 47 of Ground Floor Covered with Material.



Photo 43

Roof of Shop No. 47 of Ground Floor Covered with Wooden Work.



Photo 44

Shop No. 48 of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 480
Ramganj Market
Jaipur
Unique ID: BC RA DN 0041

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0041/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Abdul Zabbar
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	31/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 6 floors. The structure was constructed in year 2000 and is 13 years old.

There are 38 defects in the structure out of which 3 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	33.33%
Slight (1 to 5mm)	1	33.33%
Moderate (5 to 15mm)	1	33.33%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 4mm and average length of cracks is 2.5m. The maximum crack width is 10mm and minimum width is 0.5mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0041/49	S.K. Fashion		
BC-RA/DL/0041/FF-TF	House No. 480		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 480
2	Building Address	House No. 480 Ramganj Market Jaipur
3	Year of Construction	2000
4	Number of Floors	G+5
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	18m
8	Approximate Area	Not Known
9	Age of Building	13 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2 Fifth Floor	Horizontal	1.5	2.5	Slight	7, 7A
2	Outer Wall No. 3 Room No. 1 Terrace	Horizontal	0.5	2.5	Very Slight	8
3	Roof Varanda Shop No. 49, Ground Floor	Horizontal	10	2.5	Moderate	9

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
4	Wall No. 1 Stair SF to TF	Dampness/Seepage	10
5	Wall No. 1 Stair SF to TF	Dampness/Seepage	11
6	Wall No. 4 Stair SF to TF	Dampness/Seepage	12
7	Wall No. 4 Stair SF to TF	Dampness/Seepage	13
8	Roof Stair TF to 4Th Floor	Dampness/Seepage	14
9	Wall No. 4 & 1 Stair TF to 4Th Floor	Dampness/Seepage	15
10	Wall No. 4 Room No. 1 Fourth Floor	Peeling of Plaster	16
11	Wall No. 4 Room No. 1 Fourth Floor	Peeling of Plaster	17
12	Wall No. 1 Room No. 1 Fourth Floor	Dampness/Seepage	18
13	Wall No. 4 Room No. 1 Fourth Floor	Peeling of Plaster	19
14	Wall No. 1 & 4 Room No. 2 Fourth Floor	Dampness/Seepage	20
15	Roof Toilet No. 1 Fourth Floor	Dampness/Seepage	21
16	Wall No. 4 Fourth Floor	Dampness/Seepage	22
17	Wall No. 2 Fourth Floor	Dampness/Seepage	23
18	Wall No. 1 Fourth Floor	Dampness/Seepage	24
19	Wall No. 1, 4 & 2 Room No. 2 Third Floor	Dampness/Seepage	25
20	Wall No. 4 & Roof Toilet No. 1 Fifth Floor	Dampness/Seepage	26
21	Wall No. 1 Fifth Floor	Dampness/Seepage	27
22	Wall No. 2 Fifth Floor	Dampness/Seepage	28
23	Roof Stair 5Th Floor To Terrace	Dampness/Seepage	29
24	Wall No. 1 Fifth Floor	Dampness/Seepage	30
25	Wall No. 2 & Roof Fifth Floor	Dampness/Seepage	31
26	Wall No. 1, 4 & Roof Room No. 1 Terrace	Dampness/Seepage	32
27	Wall No. 2 Room No. 1 Terrace	Dampness/Seepage	33
28	Wall No. 3 Room No. 1 Terrace	Dampness/Seepage	34
29	Wall No. 1 Stair 5Th Floor To Terrace Terrace	Peeling of Plaster	35
30	Wall No. 1 Stair FF to SF	Dampness/Seepage	36
31	Roof Terrace	Dampness/Seepage	37
32	Wall No. 2 Stair GF to FF	Peeling of Plaster	38
33	Wall No. 1 Hall No. 1 First Floor	Dampness/Seepage	39
34	Wall No. 2 First Floor	Dampness/Seepage	40
35	Wall No. 1 Stair GF to FF	Dampness/Seepage	41
36	Beam Varanda Shop No. 49, Ground Floor	Peeling of Plaster	42
37	Right external Column Varanda Shop No. 49, Ground Floor	Damaged Portion	43
38	Roof Varanda Shop No. 49, Ground Floor	Dampness/Seepage	44

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1, 3 & 4 Fifth Floor	Covered with Tiles	45
2	Wall No. 2 Fifth Floor	Covered with Tiles	46
3	All Walls First Floor	Covered with Material	47
4	All Walls Shop No. 49 Ground Floor	Covered with Materials.	48



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Room No. 1, Second Floor



Photo 3
View of Room No. 2, Second Floor



Photo 4
View of Room No. 1, Third Floor



Photo 5
Terrace View, Terrace



Photo 6
Shop No. 49, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Horizontal Crack on Wall No. 2 of , Fifth Floor, Approx. Width = 1.5mm,
Approx. Length = 2.5m.
Distance from Wall No. 3 = 1m, Height from Floor = 1.5m.



Photo 7A

Horizontal Crack on Wall No. 2 of , Fifth Floor, Approx. Width = 1.5mm,
Approx. Length = 2.5m.
Distance from Wall No. 3 = 1m, Height from Floor = 1.5m.

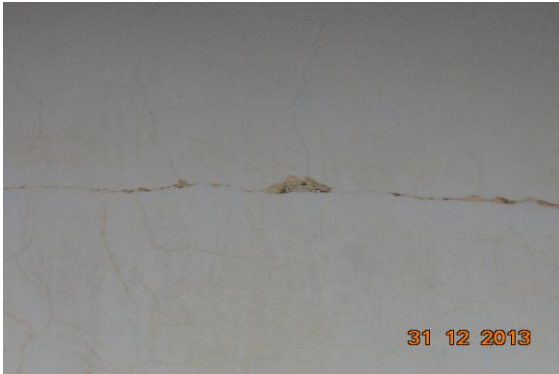


Photo 8

Horizontal Crack on Outer Wall No. 3 of Room No. 1, Terrace, Approx.
Width = 0.5mm, Approx. Length = 2.5m.
Distance from Wall No. 1 = 0m, Height from Floor = 2.5m.



Photo 9

Horizontal Crack on Roof of Varanda, Shop No. 49, Ground
Floor, Approx. Width = 10mm, Approx. Length = 2.5m.
Distance from Right External Column = 0m, Height from Floor = 3m.

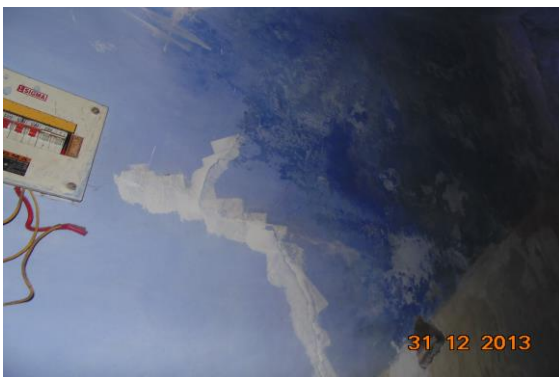


Photo 10

Dampness/Seepage on Wall No. 1 of Stair SF to TF



Photo 11

Dampness/Seepage on Wall No. 1 of Stair SF to TF

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12
Dampness/Seepage on Wall No. 4 of Stair SF to TF



Photo 13
Dampness/Seepage on Wall No. 4 of Stair SF to TF



Photo 14
Dampness/Seepage on Roof of Stair TF to 4Th Floor



Photo 15
Dampness/Seepage on Wall No. 4 & 1 of Stair TF to 4Th Floor



Photo 16
Peeling of Plaster on Wall No. 4 of Room No. 1 of Fourth Floor



Photo 17
Peeling of Plaster on Wall No. 4 of Room No. 1 of Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 18

Dampness/Seepage on Wall No. 1 of Room No. 1 of Fourth Floor



Photo 19

Peeling of Plaster on Wall No. 4 of Room No. 1 of Fourth Floor



Photo 20

Dampness/Seepage on Wall No. 1 & 4 of Room No. 2 of Fourth Floor



Photo 21

Dampness/Seepage on Roof of Toilet No. 1 of Fourth Floor



Photo 22

Dampness/Seepage on Wall No. 4 of Fourth Floor



Photo 23

Dampness/Seepage on Wall No. 2 of Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 24
Dampness/Seepage on Wall No. 1 of Fourth Floor



Photo 25
Dampness/Seepage on Wall No. 1, 4 & 2 of Room No. 2 of Third Floor



Photo 26
Dampness/Seepage on Wall No. 4 & Roof of Toilet No. 1 of Fifth Floor



Photo 27
Dampness/Seepage on Wall No. 1 of Fifth Floor



Photo 28
Dampness/Seepage on Wall No. 2 of Fifth Floor



Photo 29
Dampness/Seepage on Roof of Stair 5Th Floor To Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 30
Dampness/Seepage on Wall No. 1 of Fifth Floor



Photo 31
Dampness/Seepage on Wall No. 2 & Roof of Fifth Floor



Photo 32
Dampness/Seepage on Wall No. 1, 4 & Roof of Room No. 1 of Terrace



Photo 33
Dampness/Seepage on Wall No. 2 of Room No. 1 of Terrace



Photo 34
Dampness/Seepage on Wall No. 3 of Room No. 1 of Terrace



Photo 35
Peeling of Plaster on Wall No. 1 of Stair 5Th Floor To Terrace of Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 36
Dampness/Seepage on Wall No. 1 of Stair FF to SF



Photo 37
Dampness/Seepage on Roof of Terrace



Photo 38
Peeling of Plaster on Wall No. 2 of Stair GF to FF



Photo 39
Dampness/Seepage on Wall No. 1 of Hall No. 1 of First Floor



Photo 40
Dampness/Seepage on Wall No. 2 of First Floor



Photo 41
Dampness/Seepage on Wall No. 1 of Stair GF to FF

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 42
Peeling of Plaster on Beam of Varanda of Shop No. 49, Ground Floor



Photo 43
Damaged Portion on Right external Column of Varanda of Shop No. 49, Ground Floor



Photo 44
Dampness/Seepage on Roof of Varanda of Shop No. 49, Ground Floor



Photo 45
Wall No. 1, 3 & 4 of Fifth Floor Covered with Tiles



Photo 46
Wall No. 2 of Fifth Floor Covered with Tiles



Photo 47
All Walls of First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 48

All Walls of Shop No. 49 of Ground Floor Covered with Materials.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 479
50, Ramganj Market
Jaipur
Unique ID: BC RA DN 0042

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0042/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Abdul Rashid
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1953 and is 60 years old.

There are 49 defects in the structure out of which 7 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	28.57%
Slight (1 to 5mm)	5	71.43%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.67mm and average length of cracks is 1.24m. The maximum crack width is 3mm and minimum width is 0.6mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0042/50	S.K. Fashion		
BC-RA/DL/0042/FF-TF	House No. 479		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 479
2	Building Address	House No. 479 50, Ramganj Market Jaipur
3	Year of Construction	1953
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	60 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Toilet No. 1 First Floor	Inclined	3	1	Slight	5
2	Wall No. 1 Lobby Second Floor	Inclined	0.6	0.8	Very Slight	6, 6A
3	Wall No. 1 Lobby Second Floor	Inclined	1.5	0.4	Slight	7, 7A
4	Wall No. 4 Lobby Open Sky Fourth Floor	Inclined	2	1	Slight	8
5	Wall No. 1 Lobby Open Sky Fourth Floor	Inclined	2	2	Slight	9, 9A
6	front side Staircase GF to FF Ground Floor	Inclined	2	1	Slight	10
7	Roof Varanda Shop No. 50, Ground Floor	Horizontal	0.6	2.5	Very Slight	11

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
8	Roof Toilet No. 2 First Floor	Damaged Portion	12
9	Wall No. 2 & 4 Toilet No. 2 First Floor	Dampness/Seepage	13
10	Wall No. 1, 2 & 4 Toilet No. 1 First Floor	Dampness/Seepage	14
11	Wall No. 2 & Roof Passage First Floor	Dampness/Seepage	15
12	Outer Wall Toilet No. 2 & 3 First Floor	Damaged Portion	16
13	Wall No. 2 Passage First Floor	Dampness/Seepage	17
14	Roof Lobby First Floor	Peeling of Plaster	18
15	Wall No. 4 Varanda First Floor	Dampness/Seepage	19
16	Wall No. 1 Lobby First Floor	Peeling of Plaster	20
17	Wall No. 2 Room No. 1 First Floor	Dampness/Seepage	21
18	Wall No. 4 Room No. 1 First Floor	Dampness/Seepage	22
19	Wall No. 1 Staircase FF to SF First Floor	Damaged Portion	23
20	Wall No. 1 Staircase FF to SF First Floor	Damaged Portion	24
21	Wall No. 2 Staircase FF to SF First Floor	Dampness/Seepage	25
22	Steps Staircase FF to SF First Floor	Peeling of Plaster	26
23	Roof Lobby Second Floor	Peeling of Plaster	27
24	Wall No. 2, 3 & 4 Staircase SF to TF Second Floor	Dampness/Seepage	28
25	Roof Staircase SF to TF Second Floor	Peeling of Plaster	29
26	Wall No. 1 & 4 Room No. 1 Third Floor	Peeling of Plaster	30
27	Wall No. 2 Room No. 1 Third Floor	Peeling of Plaster	31
28	Roof Room No. 1 Third Floor	Peeling of Plaster	32
29	Wall No. 1, 2, 4 & Roof Room No. 2 Third Floor	Dampness/Seepage	33
30	Wall No. 1 Lobby Third Floor	Peeling of Plaster	34
31	Wall No. 4 Lobby Third Floor	Peeling of Plaster	35
32	Steps Staircase Area Third Floor	Damaged Portion	36
33	Wall No. 1, 3 & 4 Staircase Area TF to Fourth Third Floor	Dampness/Seepage	37
34	Wall No. 1 & 4 Room No. 1 Fourth Floor	Dampness/Seepage	38
35	Roof Room No. 2 Fourth Floor	Dampness/Seepage	39
36	Wall No. 2 & 4 Room No. 2 Fourth Floor	Dampness/Seepage	40
37	Wall No. 1 Room No. 2 Fourth Floor	Peeling of Plaster	41
38	Roof Room No. 2 Fourth Floor	Peeling of Plaster	42
39	Wall No. 2 Staircase TF to Fourth Floor	Damaged Portion	43

40	Wall of Staircase FF First Floor	Peeling of Plaster	44
41	Wall No. 2 Staircase GF to FF Ground Floor	Peeling of Plaster	45
42	Wall No. 1 Staircase GF to FF Ground Floor	Peeling of Plaster	46
43	Roof Staircase GF to FF Ground Floor	Peeling of Plaster	47
44	Steps Staircase GF to FF Ground Floor	Damaged Portion	48
45	Front side Shade H.No.479 First Floor	Peeling of Plaster	49
46	Front side Shade H.No.480 Third Floor	Peeling of Plaster	50
47	Beam Varanda Shop No. 50, Ground Floor	Damaged Portion	51
48	Roof Varanda Shop No. 50, Ground Floor	Dampness/Seepage	52
49	All Walls Shop No. 50, Ground Floor	Damaged Portion	53

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 4 Lobby Second Floor	Covered with Material	54
2	Room No. 1 Second Floor	Locked	55
3	Room No. 2 Second Floor	Locked	56
4	Room No. 3 Second Floor	Locked	57
5	All Walls Shop No. 50, Ground Floor	Covered with Materials.	58



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House No.479 above Shop No.50



Photo 2
View of Bathroom, First Floor



Photo 3
View of Terrace, Terrace



Photo 4
Ground Floor



Photo 5
Inclined Crack on Roof of Toilet No. 1, First Floor, Approx. Width = 3mm, Approx. Length = 1m, Height from Floor = m.

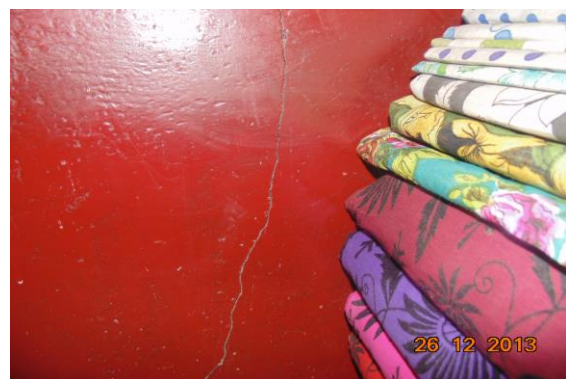


Photo 6
Inclined Crack on Wall No. 1 of Lobby, Second Floor, Approx. Width = 0.6mm, Approx. Length = 0.8m, Distance from Wall No. 3 = 1.1m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

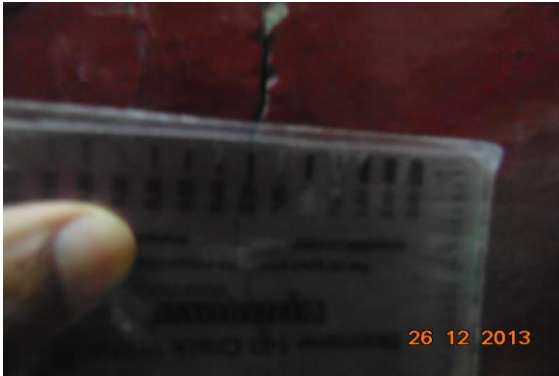


Photo 6A

Inclined Crack on Wall No. 1 of Lobby, Second Floor, Approx. Width = 0.6mm, Approx. Length = 0.8m.
Distance from Wall No. 3 = 1.1m, Height from Floor = 0m.



Photo 7

Inclined Crack on Wall No. 1 of Lobby, Second Floor, Approx. Width = 1.5mm, Approx. Length = 0.4m.
Distance from Wall No. 3 = 2m, Height from Floor = 1.5m.



Photo 7A

Inclined Crack on Wall No. 1 of Lobby, Second Floor, Approx. Width = 1.5mm, Approx. Length = 0.4m.
Distance from Wall No. 3 = 2m, Height from Floor = 1.5m.



Photo 8

Inclined Crack on Wall No. 4 of Lobby Open Sky, Fourth Floor, Approx. Width = 2mm, Approx. Length = 1m.
, Height from Floor = m.



Photo 9

Inclined Crack on Wall No. 1 of Lobby Open Sky, Fourth Floor, Approx. Width = 2mm, Approx. Length = 2m.
, Height from Floor = m.



Photo 9A

Inclined Crack on Wall No. 1 of Lobby Open Sky, Fourth Floor, Approx. Width = 2mm, Approx. Length = 2m.
, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 10
Inclined Crack on front side of Staircase GF to FF, Ground Floor, Approx. Width = 2mm, Approx. Length = 1m.
, Height from Floor = m.



Photo 11
Horizontal Crack on Roof of Varanda, Shop No. 50, Ground Floor, Approx. Width = 0.6mm, Approx. Length = 2.5m.
Distance from Right External Column = 0m, Height from Floor = 3m.



Photo 12
Damaged Portion on Roof of Toilet No. 2 of First Floor



Photo 13
Dampness/Seepage on Wall No. 2 & 4 of Toilet No. 2 of First Floor



Photo 14
Dampness/Seepage on Wall No. 1, 2 & 4 of Toilet No. 1 of First Floor



Photo 15
Dampness/Seepage on Wall No. 2 & Roof of Passage of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 16

Damaged Portion on Outer Wall of Toilet No. 2 & 3 of First Floor



Photo 17

Dampness/Seepage on Wall No. 2 of Passage of First Floor



Photo 18

Peeling of Plaster on Roof of Lobby of First Floor



Photo 19

Dampness/Seepage on Wall No. 4 of Varanda of First Floor



Photo 20

Peeling of Plaster on Wall No. 1 of Lobby of First Floor



Photo 21

Dampness/Seepage on Wall No. 2 of Room No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 22
Dampness/Seepage on Wall No. 4 of Room No. 1 of First Floor



Photo 23
Damaged Portion on Wall No. 1 of Staircase FF to SF of First Floor



Photo 24
Damaged Portion on Wall No. 1 of Staircase FF to SF of First Floor



Photo 25
Dampness/Seepage on Wall No. 2 of Staircase FF to SF of First Floor



Photo 26
Peeling of Plaster on Steps of Staircase FF to SF of First Floor



Photo 27
Peeling of Plaster on Roof of Lobby of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 28
Dampness/Seepage on Wall No. 2, 3 & 4 of Staircase SF to TF of Second Floor



Photo 29
Peeling of Plaster on Roof of Staircase SF to TF of Second Floor



Photo 30
Peeling of Plaster on Wall No. 1 & 4 of Room No. 1 of Third Floor



Photo 31
Peeling of Plaster on Wall No. 2 of Room No. 1 of Third Floor



Photo 32
Peeling of Plaster on Roof of Room No. 1 of Third Floor



Photo 33
Dampness/Seepage on Wall No. 1, 2, 4 & Roof of Room No. 2 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34
Peeling of Plaster on Wall No. 1 of Lobby of Third Floor



Photo 35
Peeling of Plaster on Wall No. 4 of Lobby of Third Floor



Photo 36
Damaged Portion on Steps of Staircase Area of Third Floor



Photo 37
Dampness/Seepage on Wall No. 1, 3 & 4 of Staircase Area TF to Fourth of Third Floor



Photo 38
Dampness/Seepage on Wall No. 1 & 4 of Room No. 1 of Fourth Floor



Photo 39
Dampness/Seepage on Roof of Room No. 2 of Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40
Dampness/Seepage on Wall No. 2 & 4 of Room No. 2 of Fourth Floor



Photo 41
Peeling of Plaster on Wall No. 1 of Room No. 2 of Fourth Floor



Photo 42
Peeling of Plaster on Roof of Room No. 2 of Fourth Floor



Photo 43
Damaged Portion on Wall No. 2 of Staircase TF to Fourth Floor of



Photo 44
Peeling of Plaster on Wall of Staircase FF of First Floor



Photo 45
Peeling of Plaster on Wall No. 2 of Staircase GF to FF of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 46

Peeling of Plaster on Wall No. 1 of Staircase GF to FF of Ground Floor



Photo 47

Peeling of Plaster on Roof of Staircase GF to FF of Ground Floor



Photo 48

Damaged Portion on Steps of Staircase GF to FF of Ground Floor



Photo 49

Peeling of Plaster on Front side Shade of H.No.479 of First Floor



Photo 50

Peeling of Plaster on Wall No. Front side Shade of H.No.480 of Third Floor



Photo 51

Damaged Portion on Wall No. Beam of Varanda of Shop No. 50, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 52

Dampness/Seepage on Roof of Varanda of Shop No. 50, Ground Floor



Photo 53

Damaged Portion on All Walls of Shop No. 50, Ground Floor



Photo 54

Wall No. 4 of Lobby of Second Floor Covered with Material

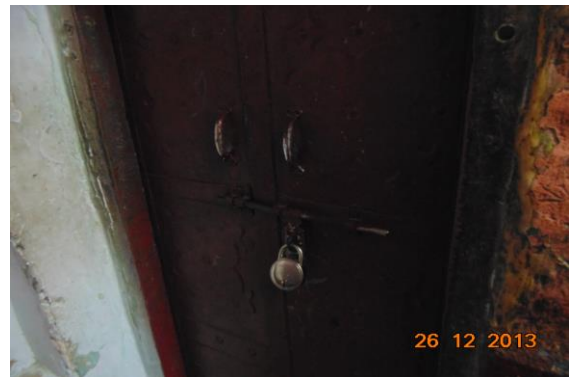


Photo 55

Room No. 1 of Second Floor Locked



Photo 56

Room No. 2 of Second Floor Locked

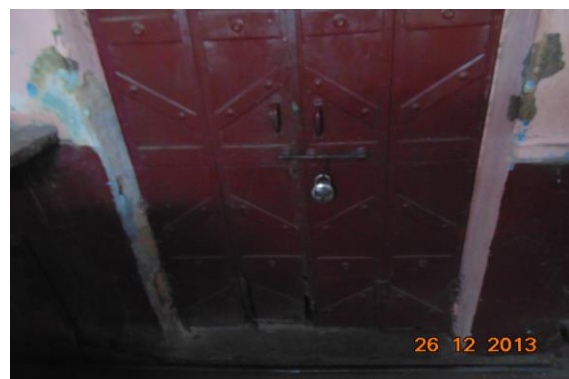


Photo 57

Room No. 3 of Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 58

All Walls of Shop No. 50, Ground Floor Covered with Materials.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 51
50, Ramganj Market
Jaipur
Unique ID: BC RA DN 0043

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0043/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

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The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1900 and is 113 years old.

There are 15 defects in the structure out of which 1 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	1	100%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 3mm and average length of cracks is 2.5m. The maximum crack width is 3mm and minimum width is 3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0043/51	Bombay Hair Dresser		
BC-RA/DL/0043/FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 51
2	Building Address	Shop No. 51 50, Ramganj Market Jaipur
3	Year of Construction	1900
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	113 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Varanda Shop No. 51, Ground Floor	Horizontal	3	2.5	Slight	3

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
2	Beam Varanda Shop No. 51, Ground Floor	Damaged Portion	4
3	Wall No. 4 Varanda Shop No. 51, Ground Floor	Damaged Portion	5
4	Roof Varanda Shop No. 51, Ground Floor	Dampness/Seepage	6
5	Roof Part A Shop No. 51, Ground Floor	Peeling of Plaster	7
6	Roof Part A Shop No. 51, Ground Floor	Peeling of Plaster	8
7	Roof Part A Shop No. 51, Ground Floor	Peeling of Plaster	9
8	Wall No. 1 Part A Shop No. 51, Ground Floor	Dampness/Seepage	10
9	Wall No. 1 Part A Shop No. 51, Ground Floor	Dampness/Seepage	11
10	Wall No. 2 Part A Shop No. 51, Ground Floor	Plaster Crack	12
11	Wall No. 2 Part A Shop No. 51, Ground Floor	Plaster Crack	13
12	Wall No. 4 Part A Shop No. 51, Ground Floor	Peeling of Plaster	14
13	Roof Part B Shop No. 51, Ground Floor	Peeling of Plaster	15
14	Wall No. 4 Part B Shop No. 51, Ground Floor	Dampness/Seepage	16
15	Wall No. 2 Part A Shop No. 51, Ground Floor	Damaged Portion	17

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	House Above Shop No. 51	Locked	18

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2
Ground Floor



Photo 3

Horizontal Crack on Roof of Varanda, Shop No. 51, Ground Floor, Approx. Width = 3mm, Approx. Length = 2.5m. Distance from Right External Column = 0m, Height from Floor = 3m.



Photo 4

Damaged Portion on Beam of Varanda of Shop No. 51, Ground Floor



Photo 5

Damaged Portion on Wall No. 4 of Varanda of Shop No. 51, Ground Floor



Photo 6

Dampness/Seepage on Roof of Varanda of Shop No. 51, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Peeling of Plaster on Roof of Part A of Shop No. 51, Ground Floor



Photo 8

Peeling of Plaster on Roof of Part A of Shop No. 51, Ground Floor



Photo 9

Peeling of Plaster on Roof of Part A of Shop No. 51, Ground Floor



Photo 10

Dampness/Seepage on Wall No. 1 of Part A of Shop No. 51, Ground Floor



Photo 11

Dampness/Seepage on Wall No. 1 of Part A of Shop No. 51, Ground Floor



Photo 12

Plaster Crack on Wall No. 2 of Part A of Shop No. 51, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Plaster Crack on Wall No. 2 of Part A of Shop No. 51, Ground Floor



Photo 14

Peeling of Plaster on Wall No. 4 of Part A of Shop No. 51, Ground Floor



Photo 15

Peeling of Plaster on Roof of Part B of Shop No. 51, Ground Floor



Photo 16

Dampness/Seepage on Wall No. 4 of Part B of Shop No. 51, Ground Floor



Photo 17

Damaged Portion on Wall No. 2 of Part A of Shop No. 51, Ground Floor



Photo 18

House Above Shop No. 51 Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 52 and House Above
52, Ramganj Market
Jaipur
Unique ID: BC RA DN 0044

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0044/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Mohamad Yamin
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	03/01/2014	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1980 and is 33 years old.

There are 43 defects in the structure out of which 2 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	2	100%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 2.5mm and average length of cracks is 1.65m. The maximum crack width is 4mm and minimum width is 1mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0044/52	Hussain Brothers		
BC-RA/DL/0044/FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 52 and House Above
2	Building Address	Shop No. 52 and House Above 52, Ramganj Market Jaipur
3	Year of Construction	1980
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	33 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Open Area Third Floor	Inclined	4	2	Slight	4, 4A
2	Wall No. 4 & Floor Varandah Second Floor	Inclined	1	1.3	Slight	5, 5A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
3	Roof Room No. 1 Third Floor	Dampness/Seepage	6
4	Wall No. 3 Room No. 1 Third Floor	Plaster Crack	7
5	Floor Room No. 1 Third Floor	Plaster Crack	8
6	Wall No. 3 Room No. 1 Third Floor	Plaster Crack	9
7	Wall No. 2 Open Area Third Floor	Plaster Crack	10
8	Wall No. 4 Open Area Third Floor	Plaster Crack	11
9	Wall No. 4 & Roof Stair SF to TF Third Floor	Peeling of Plaster	12
10	Wall No. 1 & 4 Varandah Second Floor	Peeling of Plaster	13
11	Wall No. 2 & 3 Varandah Second Floor	Peeling of Plaster	14
12	Floor Varandah Second Floor	Peeling of Plaster	15
13	Wall No. 1 Lobby Second Floor	Peeling of Plaster	16
14	Wall No. 4 Lobby Second Floor	Peeling of Plaster	17
15	Wall No. 2 Lobby Second Floor	Peeling of Plaster	18
16	Wall No. 3 Lobby Second Floor	Peeling of Plaster	19
17	Roof Lobby Second Floor	Peeling of Plaster	20
18	Wall No. 1 & 3 Room No. 1 Second Floor	Peeling of Plaster	21
19	Wall No. 2 & 3 Lobby Second Floor	Peeling of Plaster	22
20	Wall No. 3 Lobby Second Floor	Plaster Crack	23
21	Wall No. 1 & 4 Stair FF to SF Second Floor	Dampness/Seepage	24
22	Wall No. 1 & 4 Varandah First Floor	Dampness/Seepage	25
23	Wall No. 2, 3 & 4 Varandah First Floor	Dampness/Seepage	26
24	Wall No. 4 Varandah First Floor	Plaster Crack	27
25	Floor Varandah First Floor	Plaster Crack	28
26	Wall No. 1 Lobby First Floor	Peeling of Plaster	29
27	Wall No. 4 Lobby First Floor	Plaster Crack	30
28	Wall No. 2 Lobby First Floor	Peeling of Plaster	31
29	Roof Lobby First Floor	Peeling of Plaster	32
30	Wall No. 3 Lobby First Floor	Peeling of Plaster	33
31	Roof Room No. 1 First Floor	Dampness/Seepage	34
32	Wall No. 1 & 3 Room No. 1 First Floor	Peeling of Plaster	35
33	Wall No. 2 & 3 Room No. 1 First Floor	Peeling of Plaster	36
34	Floor Room No. 1 First Floor	Peeling of Plaster	37
35	All Walls Toilet No. 1 First Floor	Peeling of Plaster	38
36	All Walls Stair GF to FF First Floor	Peeling of Plaster	39
37	Roof Stair GF to FF First Floor	Dampness/Seepage	40
38	Roof Varandah Shop no. 52, Ground Floor	Dampness/Seepage	41
39	External Column Varandah Shop no. 52, Ground Floor	Peeling of Plaster	42

40	Outer Wall 3 FF external façade	Peeling of Plaster	43
41	Shade FF external façade	Peeling of Plaster	44
42	Outer Wall 3 SF external façade	Peeling of Plaster	45
43	Shade SF external façade	Peeling of Plaster	46

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
, Ground Floor

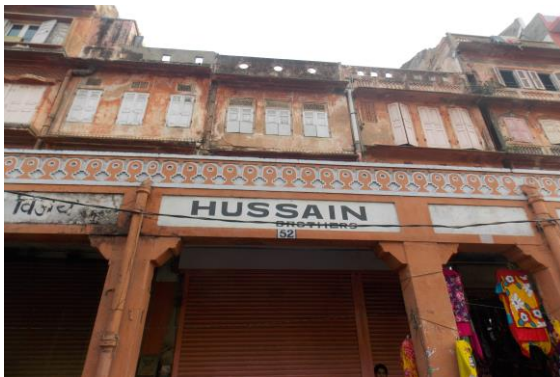


Photo 3



Photo 4
Inclined Crack on Wall No. 4 of Open Area, Third Floor, Approx. Width = 4mm, Approx. Length = 2m.
Distance from Wall No. 2 = 0.2m, Height from Floor = 0m.



Photo 4A
Inclined Crack on Wall No. 4 of Open Area, Third Floor, Approx. Width = 4mm, Approx. Length = 2m.
Distance from Wall No. 2 = 0.2m, Height from Floor = 0m.



Photo 5
Inclined Crack on Floor & Wall No. 4 of Varandah, Second Floor, Approx. Width = 1mm, Approx. Length = 1.3m.
Distance from Wall No. 2 = 0.8m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

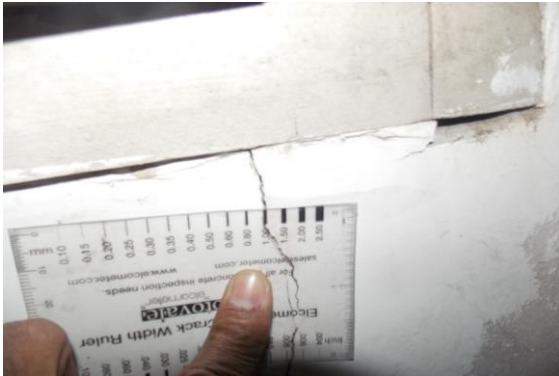


Photo 5A

Inclined Crack on Floor & Wall No. 4 of Varandah, Second Floor,
Approx. Width = 1mm, Approx. Length = 1.3m.
Distance from Wall No. 2 = 0.8m, Height from Floor = 0m.



Photo 6

Dampness/Seepage on Roof of Room No. 1 of Third Floor



Photo 7

Plaster Crack on Wall No. 3 of Room No. 1 of Third Floor



Photo 8

Plaster Crack on Floor of Room No. 1 of Third Floor



Photo 9

Plaster Crack on Wall No. 3 of Room No. 1 of Third Floor



Photo 10

Plaster Crack on Wall No. 2 of Open Area of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11
Plaster Crack on Wall No. 4 of Open Area of Third Floor



Photo 12
Peeling of Plaster on Roof & 4 of Stair SF to TF of Third Floor



Photo 13
Peeling of Plaster on Wall No. 1 & 4 of Varanda of Second Floor



Photo 14
Peeling of Plaster on Wall No. 2 & 3 of Varanda of Second Floor



Photo 15
Peeling of Plaster on Floor of Varanda of Second Floor



Photo 16
Peeling of Plaster on Wall No. 1 of Lobby of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 17

Peeling of Plaster on Wall No. 4 of Lobby of Second Floor



Photo 18

Peeling of Plaster on Wall No. 2 of Lobby of Second Floor



Photo 19

Peeling of Plaster on Wall No. 3 of Lobby of Second Floor



Photo 20

Peeling of Plaster on Roof of Lobby of Second Floor



Photo 21

Peeling of Plaster on Wall No. 1 & 3 of Room No. 1 of Second Floor



Photo 22

Peeling of Plaster on Wall No. 2 & 3 of Lobby of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 23
Plaster Crack on Wall No. 3 of Lobby of Second Floor



Photo 24
Dampness/Seepage on Wall No. 1 & 4 of Stair FF to SF of Second Floor



Photo 25
Dampness/Seepage on Wall No. 1 & 4 of Varanda of First Floor



Photo 26
Dampness/Seepage on Wall No. 2, 3 & 4 of Varanda of First Floor



Photo 27
Plaster Crack on Wall No. 4 of Varanda of First Floor



Photo 28
Plaster Crack on Floor of Varanda of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29
Peeling of Plaster on Wall No. 1 of Lobby of First Floor



Photo 30
Plaster Crack on Wall No. 4 of Lobby of First Floor



Photo 31
Peeling of Plaster on Wall No. 2 of Lobby of First Floor



Photo 32
Peeling of Plaster on Roof of Lobby of First Floor



Photo 33
Peeling of Plaster on Wall No. 3 of Lobby of First Floor



Photo 34
Dampness/Seepage on Roof of Room No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 35

Peeling of Plaster on Wall No. 1 & 3 of Room No. 1 of First Floor



Photo 36

Peeling of Plaster on Wall No. 2 & 3 of Room No. 1 of First Floor

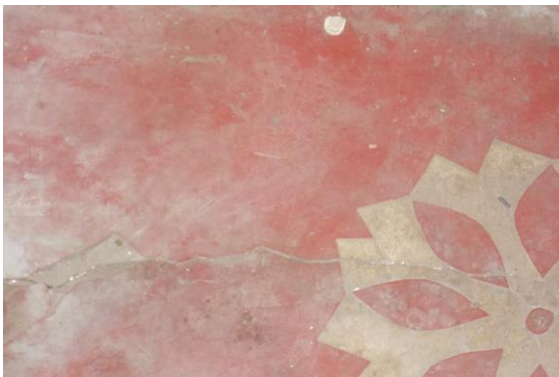


Photo 37

Peeling of Plaster on Floor of Room No. 1 of First Floor



Photo 38

Peeling of Plaster on All Walls of Toilet No. 1 of First Floor

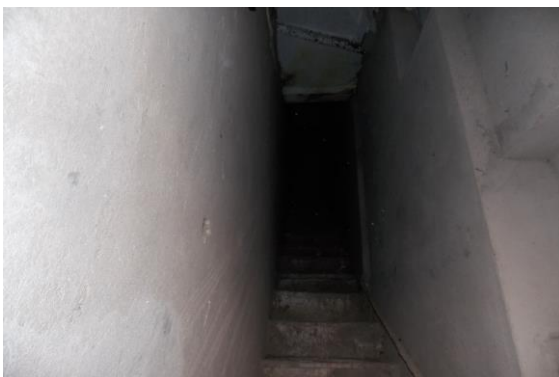


Photo 39

Peeling of Plaster on All Walls of Stair GF to FF of First Floor



Photo 40

Dampness/Seepage on Roof of Stair GF to FF of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 41

Dampness/Seepage on Roof of Varanda of Shop no. 52, Ground Floor



Photo 42

Peeling of Plaster on External Column of Varanda of Shop no. 52, Ground Floor



Photo 43

Peeling of Plaster on Outer Wall 3 of FF external façade



Photo 44

Peeling of Plaster on Shade of FF external façade



Photo 45

Peeling of Plaster on Outer Wall 3 of SF external façade



Photo 46

Peeling of Plaster on Shade of SF external façade

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 474
53, Ramganj Market
Jaipur
Unique ID: BC RA DN 0045

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0045/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Mahanuj Bhai
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1763 and is 250 years old.

There are 39 defects in the structure out of which 7 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	3	42.86%
Slight (1 to 5mm)	2	28.57%
Moderate (5 to 15mm)	2	28.57%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 2.23mm and average length of cracks is 1.71m. The maximum crack width is 5mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0045/53	H.No. 288		
BC-RA/DL/0045/FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 474
2	Building Address	House No. 474 53, Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Room No. 2 First Floor	Horizontal	0.8	2	Very Slight	2, 2A
2	Roof Room No. 2 First Floor	Inclined	0.5	2	Very Slight	3
3	H.No.474 First Floor	Inclined	2	2	Slight	4
4	Wall No. 3 Room No. 2 First Floor	Inclined	2	1	Slight	5
5	JRoof & Entry Gate Room No. 2 First Floor	Inclined	5	2	Moderate	6
6	Wall No. 1 Lobby Second Floor	Inclined	0.3	1	Very Slight	7
7	Perapet wall Front side H.No.474 Terrace	Inclined	5	2	Moderate	8

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
8	Wall No. 4 Balcony First Floor	Peeling of Plaster	9
9	Roof Balcony First Floor	Peeling of Plaster	10
10	Wall No. 4 Balcony First Floor	Peeling of Plaster	11
11	Wall No. 3 & Top Pillar Balcony First Floor	Damaged Portion	12
12	Wall No. 1, 4 & Roof Lobby First Floor	Dampness/Seepage	13
13	Roof Lobby First Floor	Peeling of Plaster	14
14	Wall No. 4 Room No. 2 First Floor	Damaged Portion	15
15	Wall No. 1 Room No. 2 First Floor	Damaged Portion	16
16	Wall No. 2 Room No. 2 First Floor	Peeling of Plaster	17
17	Roof Room No. 2 First Floor	Dampness/Seepage	18
18	Wall No. 3 Room No. 2 First Floor	Damaged Portion	19
19	Wall No. 1 & 3 Room No. 2 First Floor	Damaged Portion	20
20	Roof Balcony Second Floor	Dampness/Seepage	21
21	Roof Balcony Second Floor	Dampness/Seepage	22
22	Wall No. 4 Balcony Second Floor	Dampness/Seepage	23
23	Wall No. 1 & 4 Balcony Second Floor	Dampness/Seepage	24
24	Wall No. 3 Balcony Second Floor	Dampness/Seepage	25
25	Wall No. 1, 4 & Roof Lobby Second Floor	Dampness/Seepage	26
26	Wall No. 1, 4 & Roof Lobby Second Floor	Dampness/Seepage	27
27	Wall No. 1 & 4 Lobby Second Floor	Peeling of Plaster	28
28	Wall No. 3 & Roof Lobby Second Floor	Peeling of Plaster	29
29	Steps Staircase SF to Terrace Terrace	Damaged Portion	30
30	Steps Staircase SF to Terrace	Damaged Portion	31
31	Steps Staircase FF to SF First Floor	Damaged Portion	32
32	Floor & Entry Gate Lobby First Floor	Damaged Portion	33
33	Wall No. 1 Staircase GF to FF First Floor	Peeling of Plaster	34
34	Roof Staircase GF to FF First Floor	Damaged Portion	35
35	Steps Staircase GF to FF First Floor	Peeling of Plaster	36
36	Steps Staircase GF to FF First Floor	Peeling of Plaster	37
37	Outer front Wall H.No.474 First Floor	Damaged Portion	38
38	Front Wall shade H.No.474 Second Floor	Damaged Portion	39
39	Front Wall shade First Floor	Damaged Portion	40

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Room No. 1 Second Floor	Locked	41
2	Terrace	Locked	42



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House No.474 above Shop No.53



Photo 2
Horizontal Crack on Roof of Room No. 2, First Floor
Approx. Width = 0.8mm, Approx. Length = 2m.
Distance from Wall No.4 = 0m, Height from Floor = 2.1m.



Photo 2A
Horizontal Crack on Roof of Room No. 2, First Floor
Approx. Width = 0.8mm, Approx. Length = 2m.
Distance from Wall No.4 = 0m, Height from Floor = 2.1m.



Photo 3
Inclined Crack on Roof of Room No. 2, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.

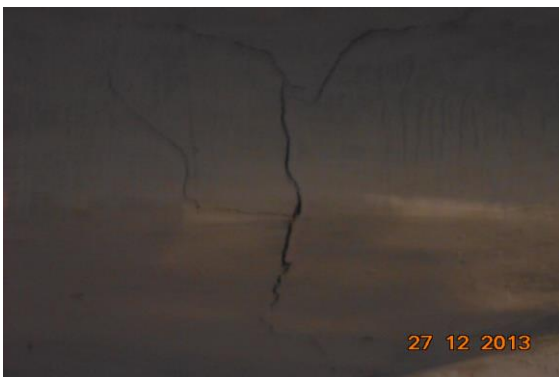


Photo 4
Inclined Crack on of H.No.474, First Floor
Approx. Width = 2mm, Approx. Length = 2m.



Photo 5
Inclined Crack on Wall No. 3 of Room No. 2, First Floor
Approx. Width = 2mm, Approx. Length = 1m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6

Inclined Crack on Roof & Entry Gate of Room No. 2, First Floor
Approx. Width = 5mm, Approx. Length = 2m.



Photo 7

Inclined Crack on Wall No. 1 of Lobby, Second Floor
Approx. Width = 0.3mm, Approx. Length = 1m.



Photo 8

Inclined Crack on Perapet wall Front side of H.No.474, Terrace
Approx. Width = 5mm, Approx. Length = 2m.



Photo 9

Peeling of Plaster on Wall No. 4 of Balcony of First Floor



Photo 10

Peeling of Plaster on Roof of Balcony of First Floor



Photo 11

Peeling of Plaster on Wall No. 4 of Balcony of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12

Damaged Portion on Wall No. 3 & Top Pillar of Balcony of First Floor



Photo 13

Dampness/Seepage on Wall No. 1, 4 & Roof of Lobby of First Floor



Photo 14

Peeling of Plaster on Roof of Lobby of First Floor



Photo 15

Damaged Portion on Wall No. 4 of Room No. 2 of First Floor



Photo 16

Damaged Portion on Wall No. 1 of Room No. 2 of First Floor



Photo 17

Peeling of Plaster on Wall No. 2 of Room No. 2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 18
Dampness/Seepage on Roof of Room No. 2 of First Floor



Photo 19
Damaged Portion on Wall No. 3 of Room No. 2 of First Floor



Photo 20
Damaged Portion on Wall No. 1 & 3 of Room No. 2 of First Floor



Photo 21
Dampness/Seepage on Roof of Balcony of Second Floor



Photo 22
Dampness/Seepage on Roof of Balcony of Second Floor



Photo 23
Dampness/Seepage on Wall No. 4 of Balcony of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 24

Dampness/Seepage on Wall No. 1 & 4 of Balcony of Second Floor



Photo 25

Dampness/Seepage on Wall No. 3 of Balcony of Second Floor



Photo 26

Dampness/Seepage on Wall No. 1, 4 & Roof of Lobby of Second Floor



Photo 27

Dampness/Seepage on Wall No. 1, 4 & Roof of Lobby of Second Floor



Photo 28

Peeling of Plaster on Wall No. 1 & 4 of Lobby of Second Floor



Photo 29

Peeling of Plaster on Wall No. 3 & Roof of Lobby of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 30
Damaged Portion on Steps of Staircase SF to Terrace of Terrace



Photo 31
Damaged Portion on Steps of Staircase SF to Terrace of



Photo 32
Damaged Portion on Steps of Staircase FF to SF of First Floor



Photo 33
Damaged Portion on Floor & Entry Gate of Lobby of First Floor



Photo 34
Peeling of Plaster on Wall No. 1 of Staircase GF to FF of First Floor



Photo 35
Damaged Portion on Roof of Staircase GF to FF of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 36

Peeling of Plaster on Steps of Staircase GF to FF of First Floor



Photo 37

Peeling of Plaster on Steps of Staircase GF to FF of First Floor



Photo 38

Damaged Portion on Outer front Wall of H.No.474 of First Floor



Photo 39

Damaged Portion on Front Wall shade of H.No.474 of Second Floor



Photo 40

Damaged Portion on Front Wall shade of of First Floor



Photo 41

Room No. 1 of Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 42
Terrace Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 472 & Shop No. 54
Ramganj Market
Jaipur
Unique ID: BC RA DN 0046

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0046/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Basiudin
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1953 and is 60 years old.

There are 10 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0046/54	Jaipur Jila Bankar Sahkari Sangh		
BC-RA/DL/0046/FF-TF	House No. 472		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 472 & Shop No. 54
2	Building Address	House No. 472 & Shop No. 54 Ramganj Market Jaipur
3	Year of Construction	1985
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	28 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None



Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Wall No. 1 Toilet No. 1 House No.472,Second floor	Dampness/Seepage	3
2	Roof Lobby of House No.472 Second floor	Peeling of Plaster	4
3	Wall No. 3 Lobby of House No.472 Second floor	Peeling of Plaster	5
4	Wall No. 2 Lobby of House No.472 Second floor	Dampness/Seepage	6
5	Wall No. 4 Lobby of House No.472 Second floor	Dampness/Seepage	7
6	Wall No. 1 Room No. 1 House No.472,Second floor	Dampness/Seepage	8
7	Wall No. 2 Room No. 1 House No.472,Second floor	Peeling of Plaster	9
8	Wall No. 2 & 4 Balcony of House No.472 Second floor	Dampness/Seepage	10
9	Varanda, Left External Col Shop No. 54, Ground Floor	Damaged Portion	11
10	Roof Varanda Shop No. 54, Ground Floor	Dampness/Seepage	12

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	House No.472 First floor	Locked	13
2	House No.472 Third floor	Locked	14
3	All Walls Shop No. 54 Ground Floor	Covered with Material	15



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of House No.472



Photo 2
Ground Floor



Photo 3
Dampness/Seepage on Wall No. 1 of Toilet No. 1 of House No.472, Second floor



Photo 4
Peeling of Plaster on Roof of Lobby of House No.472 of Second floor



Photo 5
Peeling of Plaster on Wall No. 3 of Lobby of House No.472 of Second floor



Photo 6
Dampness/Seepage on Wall No. 2 of Lobby of House No.472 of Second floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Dampness/Seepage on Wall No. 4 of Lobby of House No.472 of Second floor



Photo 8

Dampness/Seepage on Wall No. 1 of Room No. 1 of House No.472, Second floor



Photo 9

Peeling of Plaster on Wall No. 2 of Room No. 1 of House No.472, Second floor



Photo 10

Dampness/Seepage on Wall No. 2 & 4 of Balcony of House No.472 of Second floor



Photo 11

Damaged Portion on Varanda, Left External Col of Shop No. 54, Ground Floor



Photo 12

Dampness/Seepage on Roof of Varanda of Shop No. 54, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
House No.472 of First floor Locked



Photo 14
House No.472 of Third floor Locked



Photo 15
All Walls of Shop No. 54 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 470
55, Ramganj Market
Jaipur
Unique ID: BC RA DN 0047

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0047/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Mohamad Aslam
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1943 and is 70 years old.

There are 24 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0047/55	Mayid Creation		
BC-RA/DL/0047/FF-4TH	House No. 470		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 470
2	Building Address	House No. 470 55, Ramganj Market Jaipur
3	Year of Construction	1943
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	70 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Room No. 1 First Floor	Peeling of Plaster	5
2	Wall No. 4 & Roof Room No. 2 First Floor	Peeling of Plaster	6
3	Roof Passage First Floor	Dampness/Seepage	7
4	Roof Passage First Floor	Dampness/Seepage	8
5	Wall No. 1 Passage First Floor	Dampness/Seepage	9
6	Roof Room No. 2 Second Floor	Peeling of Plaster	10
7	Wall No. 4 & Roof Passage Second Floor	Dampness/Seepage	11
8	Wall No. 4 & Roof Passage Second Floor	Dampness/Seepage	12
9	Roof Room No. 1 Third Floor	Dampness/Seepage	13
10	Wall No. 2 Room No. 1 Third Floor	Dampness/Seepage	14
11	Wall No. 3 Room No. 1 Third Floor	Dampness/Seepage	15
12	Wall No. 4 Room No. 1 Third Floor	Dampness/Seepage	16
13	Roof Room No. 2 Third Floor	Dampness/Seepage	17
14	Wall No. 1 & 4 Room No. 2 Third Floor	Dampness/Seepage	18
15	Wall No. 2, 4 & Roof Toilet No. 1 Third Floor	Dampness/Seepage	19
16	Wall No. 1, 2, 4 & Roof Bathroom No. 1 Third Floor	Dampness/Seepage	20
17	Wall No. 3 Room No. 2 Fourth Floor	Dampness/Seepage	21
18	Wall No. 4 Room No. 2 Fourth Floor	Dampness/Seepage	22
19	Wall No. 3 Room No. 2 Fourth Floor	Dampness/Seepage	23
20	Wall No. 2 Toilet No. 2 Fourth Floor	Dampness/Seepage	24
21	Wall No. 1 Kitchen Fourth Floor	Dampness/Seepage	25
22	Roof Varanda Shop No. 55, Ground Floor	Dampness/Seepage	26
23	Beam Varanda Shop No. 55, Ground Floor	Peeling of Plaster	27
24	Roof Shop No. 55 Ground Floor	Peeling of Plaster	28

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 4 Room No. 1 First Floor	Covered with Tiles	29
2	All Walls Toilet No. 1 Third Floor	Covered with tiles Half Portion	30
3	All Walls Shop No. 55 Ground Floor	Covered with Material	31
4	Roof Shop No. 55 Ground Floor	Covered with False Ceiling	32

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House No.470 above Shop No.55



Photo 2
View of Room No.1, Second Floor



Photo 3
View of Room No.1, Fourth Floor



Photo 4
Ground Floor



Photo 5
Peeling of Plaster on Room No. 1 of First Floor



Photo 6
Peeling of Plaster on Wall No. 4 & Roof of Room No. 2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Dampness/Seepage on Roof of Passage of First Floor



Photo 8
Dampness/Seepage on Roof of Passage of First Floor



Photo 9
Dampness/Seepage on Wall No. 1 of Passage of First Floor



Photo 10
Peeling of Plaster on Roof of Room No. 2 of Second Floor



Photo 11
Dampness/Seepage on Wall No. 4 & Roof of Passage of Second Floor



Photo 12
Dampness/Seepage on Wall No. 4 & Roof of Passage of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Dampness/Seepage on Roof of Room No. 1 of Third Floor



Photo 14
Dampness/Seepage on Wall No. 2 of Room No. 1 of Third Floor



Photo 15
Dampness/Seepage on Wall No. 3 of Room No. 1 of Third Floor



Photo 16
Dampness/Seepage on Wall No. 4 of Room No. 1 of Third Floor



Photo 17
Dampness/Seepage on Roof of Room No. 2 of Third Floor

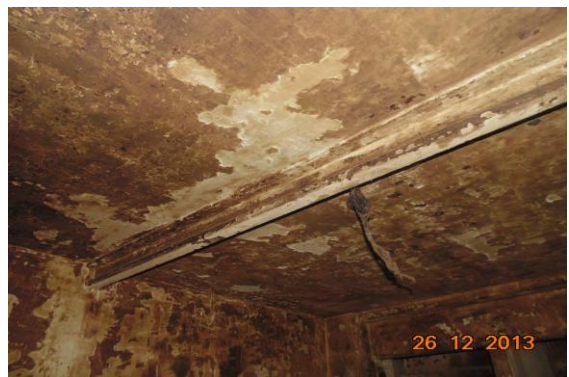


Photo 18
Dampness/Seepage on Wall No. 1 & 4 of Room No. 2 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Dampness/Seepage on Wall No. 2, 4 & Roof of Toilet No. 1 of Third Floor



Photo 20

Dampness/Seepage on Wall No. 1, 2, 4 & Roof of Bathroom No. 1 of Third Floor



Photo 21

Dampness/Seepage on Wall No. 3 of Room No. 2 of Fourth Floor



Photo 22

Dampness/Seepage on Wall No. 4 of Room No. 2 of Fourth Floor



Photo 23

Dampness/Seepage on Wall No. 3 of Room No. 2 of Fourth Floor



Photo 24

Dampness/Seepage on Wall No. 2 of Toilet No. 2 of Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25
Dampness/Seepage on Wall No. 1 of Kitchen of Fourth Floor



Photo 26
Dampness/Seepage on Roof of Varanda of Shop No. 55, Ground Floor



Photo 27
Peeling of Plaster on Beam of Varanda of Shop No. 55, Ground Floor



Photo 28
Peeling of Plaster on Roof of Shop No. 55 of Ground Floor



Photo 29
Wall No. 4 of Room No. 1 of First Floor Covered with Tiles



Photo 30
All Walls of Toilet No. 1 of Third Floor Covered with tiles Half Portion

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31

All Walls of Shop No. 55 of Ground Floor Covered with Material



Photo 32

Roof of Shop No. 55 of Ground Floor Covered with False Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 468 & Shop No. 56
Ramganj Market
Jaipur
Unique ID: BC RA DN 0048

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0048/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1963 and is 50 years old.

There are 18 defects in the structure out of which 4 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	4	100%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.5mm and average length of cracks is 3.5m. The maximum crack width is 2mm and minimum width is 1mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0048/56	New India Yarn Industries		
BC-RA/DL/0048/FF	House No. 468 First Floor		
BC-RA/DL/0048/SF	House No. 468 Second Floor		
BC-RA/DL/0048/TF	House No. 468 Third Floor		
BC-RA/DL/0048/4TH F	House No. 468 Forth Floor		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 468 & Shop No. 56
2	Building Address	House No. 468 & Shop No. 56 Ramganj Market Jaipur
3	Year of Construction	1963
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	50 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Beam Varanda Shop No. 56, Ground Floor	Inclined	1	1	Slight	6
2	Roof Varanda Shop No. 56, Ground Floor	Inclined	2	5	Slight	7
3	Roof Varanda Shop No. 56, Ground Floor	Inclined	2	5	Slight	8
4	Wall No. 2 Shop No. 56 Ground Floor	Inclined	1	3	Slight	9

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
5	Wall No. 2 Toilet No. 1 House No. 468, First Floor	Dampness/Seepage	10
6	Wall No. 2, 4 & Roof Stair Case FF-SF of House No. 468 First Floor	Dampness/Seepage	11
7	Shade Balcony of House No. 468 Second Floor	Peeling of Plaster	12
8	Wall No. 2 Toilet No. 1 House No. 468, Second Floor	Dampness/Seepage	13
9	Wall No. 2, 3 & Roof Stair Case FF-SF of House No. 468 Second Floor	Dampness/Seepage	14
10	Wall No. 1, 4 & Roof Passage Of House No. 468 Second Floor	Dampness/Seepage	15
11	Wall No. 4 Stair Case TF-4Th F of House No. 468 Third Floor	Dampness/Seepage	16
12	Roof Passage Of House No. 468 4th Floor	Peeling of Plaster	17
13	Wall No. 2, 4 & Roof Stair Case 4th F-Terrace of House No. 468 4th Floor	Dampness/Seepage	18
14	Wall No. 2 Stair Case 4th F-Terrace of House No. 468 4th Floor	Dampness/Seepage	19
15	Wall No. 1, 2 & Roof Passage of House No. 468 Terrace	Dampness/Seepage	20
16	Roof Varanda Shop No. 56, Ground Floor	Dampness/Seepage	21
17	Wall No. 1 & Roof Shop No. 56 Ground Floor	Dampness/Seepage	22
18	Roof Shop No. 56 Ground Floor	Peeling of Plaster	23

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2 Room No. 1 House No. 468, First Floor	Covered With Material 1/3 Part	24
2	Wall No. 1 Room No. 1 House No. 468, First Floor	Covered With Material 1/3 Part	25
3	All Wall Toilet No. 1 House No. 468, First Floor	Covered With Tiles 1/2 Part	26
4	Floor Room No. 1 House No. 468, First Floor	Covered With Marble	27
5	All Wall Room No. 2 House No. 468, First Floor	1/3 Portion Covered With Material	28
6	Floor Room No. 1 House No. 468, Second Floor	Covered With Material	29
7	All Wall Toilet No. 1 House No. 468, Second Floor	Covered With Material	30
8	House No. 468 Third Floor	Locked	31
9	House No. 468 4th Floor	Locked	32
10	Toilet No. 1 House No. 468, Terrace	Locked	33
11	All Walls Shop No. 56 Ground Floor	Covered with Material	34

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View Of House No. 468



Photo 2
House No. 468, Second Floor



Photo 3
View of Second Floor



Photo 4
Terrace View, Terrace



Photo 5
Ground Floor



Photo 6
Inclined Crack on Beam of Varanda, Shop No. 56, Ground Floor, Approx.
Width = 1mm, Approx. Length = 1m.
Distance from Left External Col = 0m, Height from Floor = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Roof of Varanda, Shop No. 56, Ground Floor, Approx.
Width = 2mm, Approx. Length = 5m.
Distance from Left Internal Col = 0m, Height from Floor = 0m.



Photo 8

Inclined Crack on Roof of Varanda, Shop No. 56, Ground Floor, Approx.
Width = 2mm, Approx. Length = 5m.
Distance from Left Internal Col = 0m, Height from Floor = 0m.



Photo 9

Inclined Crack on Wall No. 2 of Shop No. 56, Ground Floor, Approx.
Width = 1mm, Approx. Length = 3m.
Distance from Wall No. 3 = 0.6m, Height from Floor = 0.9m.



Photo 10

Dampness/Seepage on Wall No. 2 of Toilet No. 1 of House No. 468, First Floor



Photo 11

Dampness/Seepage on Wall No. 2, 4 & Roof of Stair Case FF-SF of House No. 468 of First Floor



Photo 12

Peeling of Plaster on Shade of Balcony of House No. 468 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Dampness/Seepage on Wall No. 2 of Toilet No. 1 of House No. 468, Second Floor



Photo 14

Dampness/Seepage on Wall No. 2, 3 & Roof of Stair Case FF-SF of House No. 468 of Second Floor



Photo 15

Dampness/Seepage on Wall No. 1, 4 & Roof of Passage Of House No. 468 of Second Floor



Photo 16

Dampness/Seepage on Wall No. 4 of Stair Case TF-4Th F of House No. 468 of Third Floor



Photo 17

Peeling of Plaster on Roof of Passage of House No. 468 of 4th Floor



Photo 18

Dampness/Seepage on Wall No. 2, 4 & Roof of Stair Case 4th F-Terrace of House No. 468 of 4th Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Dampness/Seepage on Wall No. 2 of Stair Case 4th F-Terrace of House No. 468 of 4th Floor



Photo 20

Dampness/Seepage on Wall No. 1, 2 & Roof of Passage of House No. 468 of Terrace



Photo 21

Dampness/Seepage on Roof of Varanda of Shop No. 56, Ground Floor



Photo 22

Dampness/Seepage on Roof & 1 of Shop No. 56 of Ground Floor



Photo 23

Peeling of Plaster on Roof of Shop No. 56 of Ground Floor



Photo 24

Wall No. 2 of Room No. 1 of House No. 468, First Floor Covered With Material 1/3 Part

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Wall No. 1 of Room No. 1 of House No. 468, First Floor Covered With Material 1/3 Part



Photo 26

All Wall of Toilet No. 1 of House No. 468, First Floor Covered With Tiles 1/2 Part



Photo 27

Floor of Room No. 1 of House No. 468, First Floor Covered With Marble



Photo 28

All Wall of Room No. 2 of House No. 468, First Floor 1/3 Portion Covered With Material



Photo 29

Floor of Room No. 1 of House No. 468, Second Floor Covered With Material



Photo 30

All Wall of Toilet No. 1 of House No. 468, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31
House No. 468 of Third Floor Locked



Photo 32
House No. 468 of 4th Floor Locked



Photo 33
Toilet No. 1 of House No. 468, Terrace Locked



Photo 34
All Walls of Shop No. 56 of Ground Floor Covered with Material



Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 466
57, Ramganj Market
Jaipur
Unique ID: BC RA DN 0049

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0049/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Abdul Wahid
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 6 floors. The structure was constructed in year 1763 and is 250 years old.

There are 52 defects in the structure out of which 17 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	8	47.06%
Slight (1 to 5mm)	9	52.94%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.85mm and average length of cracks is 1.99m. The maximum crack width is 2mm and minimum width is 0.25mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0049/57	Apollo Pharmacy		
BC-RA-DL/0049/FF-4TH F			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 466
2	Building Address	House No. 466 57, Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+5
5	Number of Basements	None
6	Type of Building	Residential
7	Approximate Height	18m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 3 Hall No. 1 First Floor	Inclined	0.5	2	Very Slight	6, 6A
2	Wall No. 3 Hall No. 1 First Floor	Inclined	0.25	0.7	Very Slight	7, 7A
3	Roof Hall No. 1 First Floor	Inclined	0.5	2	Very Slight	8
4	Wall No. 3 Hall No. 1 First Floor	Inclined	0.5	2	Very Slight	9
5	Wall No. 4 Toilet No. 1 First Floor	Inclined	1	3	Slight	10
6	Wall No. 2 Room No. 1 Second Floor	Inclined	2	3	Slight	11
7	Wall No. 2 Room No. 2 Second Floor	Inclined	0.6	0.7	Very Slight	12, 12A
8	Wall No. 2 Room No. 2 Second Floor	Inclined	0.5	2	Very Slight	13
9	Wall No. 2 Room No. 2 Second Floor	Inclined	1	2	Slight	14
10	Roof Room No. 4 Third Floor	Inclined	1	2	Slight	15
11	Staircase Fourth to Fifth Floor	Inclined	1	1.5	Slight	16, 16A
12	Staircase Fourth to Fifth Floor	Inclined	1	3	Slight	17
13	Roof Room No. 1 Fifth Floor	Inclined	0.6	2	Very Slight	18
14	Wall No. 4 Staircase SF to TF Fifth Floor	Inclined	1.5	2.5	Slight	19, 19A
15	Wall No. 4 & Roof Toilet No. 1 First Floor	Inclined	1	2	Slight	20
16	Roof Varanda Shop No.57, Ground Floor	Horizontal	1	2.5	Slight	21
17	Wall No. 1 Shop No.57 Ground Floor	Inclined	0.5	1	Very Slight	22

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
18	Wall No. 1 & 3 Hall No. 1 First Floor	Dampness/Seepage	23
19	Wall No. 4 Hall No. 1 First Floor	Peeling of Plaster	24
20	Wall No. 4 Hall No. 1 First Floor	Dampness/Seepage	25
21	Wall No. 7 Hall No. 1 First Floor	Dampness/Seepage	26
22	Wall No. 4 & Roof Toilet No. 1 First Floor	Dampness/Seepage	27
23	Wall No. 4 Bathroom First Floor	Peeling of Plaster	28
24	Roof Room No. 1 Second Floor	Dampness/Seepage	29
25	Roof Room No. 1 Second Floor	Damaged Portion	30
26	Roof Room No. 1 Second Floor	Peeling of Plaster	31
27	Roof Room No. 1 Second Floor	Peeling of Plaster	32
28	Wall No. 2 Room No. 1 Second Floor	Dampness/Seepage	33
29	Wall No. 1 Room No. 2 Second Floor	Peeling of Plaster	34
30	Wall No. 1 Room No. 2 Second Floor	Damaged Portion	35
31	Roof Room No. 2 Second Floor	Peeling of Plaster	36
32	Wall No. 1, 4 & Roof Room No. 4 Third Floor	Dampness/Seepage	37
33	Wall No. 1 Room No. 4 Third Floor	Peeling of Plaster	38
34	Wall No. 1 & Roof Room No. 4 Third Floor	Dampness/Seepage	39
35	Wall No. 4 & Roof Room No. 1 Third Floor	Peeling of Plaster	40
36	Wall No. 2 Room No. 1 Third Floor	Peeling of Plaster	41
37	Wall No. 3 Room No. 1 Third Floor	Peeling of Plaster	42
38	Step Staircase TF to Fourth Floor Third Floor	Damaged Portion	43

39	All walls Room No. 1 Fourth Floor	Peeling of Plaster	44
40	Wall No. 1, 4 & Roof H.No.466 Fourth Floor	Dampness/Seepage	45
41	Roof Staircase Fourh to Fifth Floor	Peeling of Plaster	46
42	Roof Staircase Fourh to Fifth Floor	Peeling of Plaster	47
43	Roof Staircase Fourh to Fifth Floor	Peeling of Plaster	48
44	Wall No. 2 & 3 Room No. 1 Fifth Floor	Dampness/Seepage	49
45	Wall No. 3 Room No. 1 Fifth Floor	Dampness/Seepage	50
46	Wall No. 1 Room No. 1 Fifth Floor	Dampness/Seepage	51
47	Staircase FF to SF	Peeling of Plaster	52
48	Wall No. 1, 2 & Roof Staircase FF to GF	Dampness/Seepage	53
49	Beam Varanda Shop No.57, Ground Floor	Peeling of Plaster	54
50	Roof Varanda Shop No.57, Ground Floor	Peeling of Plaster	55
51	Wall No. 1, 4 & Roof Shop No.57 Ground Floor	Dampness/Seepage	56
52	Wall No. 2 & 4 Shop No.57 Ground Floor	Dampness/Seepage	57

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No.57 Ground Floor	Covered with Material	58



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of H.No.466 above Shop No.57



Photo 2
Under Construction, Fifth Floor



Photo 3
Under Construction, Fifth Floor



Photo 4
Under Construction, Fifth Floor



Photo 5
View of Shop No.57, Ground Floor



Photo 6
Inclined Crack on Wall No. 3 of Hall No. 1, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Wall no.1 = 3m, Height from Floor = 0.15m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6A

Inclined Crack on Wall No. 3 of Hall No. 1, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from Wall no.1 = 3m, Height from Floor = 0.15m.



Photo 7

Inclined Crack on Wall No. 3 of Hall No. 1, First Floor
Approx. Width = 0.25mm, Approx. Length = 0.7m.
Distance from Wall No.1 = 3.6m, Height from Floor = 1.6m.

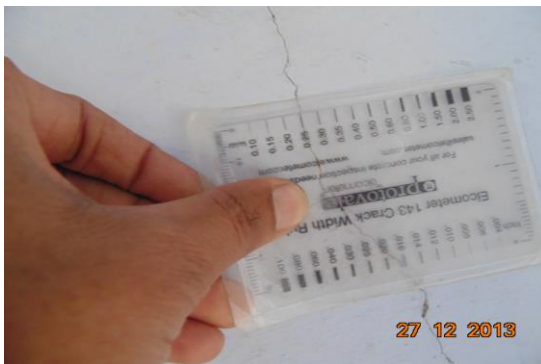


Photo 7A

Inclined Crack on Wall No. 3 of Hall No. 1, First Floor
Approx. Width = 0.25mm, Approx. Length = 0.7m.
Distance from Wall No.1 = 3.6m, Height from Floor = 1.6m.



Photo 8

Inclined Crack on Roof of Hall No. 1, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.



Photo 9

Inclined Crack on Wall No. 3 of Hall No. 1, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.



Photo 10

Inclined Crack on Wall No. 4 of Toilet No. 1, First Floor
Approx. Width = 1mm, Approx. Length = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Wall No. 2 of Room No. 1, Second Floor
Approx. Width = 2mm, Approx. Length = 3m.



Photo 12

Inclined Crack on Wall No. 2 of Room No. 2, Second Floor
Approx. Width = 0.6mm, Approx. Length = 0.7m.
Distance from Wall No.4 = 0.9m, Height from Floor = 0m.



Photo 12A

Inclined Crack on Wall No. 2 of Room No. 2, Second Floor
Approx. Width = 0.6mm, Approx. Length = 0.7m.
Distance from Wall No.4 = 0.9m, Height from Floor = 0m.



Photo 13

Inclined Crack on Wall No. 2 of Room No. 2, Second Floor
Approx. Width = 0.5mm, Approx. Length = 2m.



Photo 14

Inclined Crack on Wall No. 2 of Room No. 2, Second Floor
Approx. Width = 1mm, Approx. Length = 2m.



Photo 15

Inclined Crack on Roof of Room No. 4, Third Floor
Approx. Width = 1mm, Approx. Length = 2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 16

Inclined Crack on Staircase Fourth to Fifth Floor
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall no.2 = 0m, Height from Floor = 0m.



Photo 16A

Inclined Crack on Staircase Fourth to Fifth Floor
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall no.2 = 0m, Height from Floor = 0m.



Photo 17

Inclined Crack on Staircase Fourth to Fifth Floor, Fourth Floor
Approx. Width = 1mm, Approx. Length = 3m.



Photo 18

Inclined Crack on Roof of Room No. 1, Fifth Floor
Approx. Width = 0.6mm, Approx. Length = 2m.



Photo 19

Inclined Crack on Wall No. 4 of Staircase SF to TF
Approx. Width = 1.5mm, Approx. Length = 2.5m.
Distance from Wall no.2 = 0.3m, Height from Floor = 0m.



Photo 19A

Inclined Crack on Wall No. 4 of Staircase SF to TF
Approx. Width = 1.5mm, Approx. Length = 2.5m.
Distance from Wall no.2 = 0.3m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 20
Inclined Crack on Wall No. 4 & Roof of Toilet No. 1, First Floor
Approx. Width = 1mm, Approx. Length = 2m.



Photo 21
Horizontal Crack on Roof of Varanda, Shop No.57, Ground Floor
Approx. Width = 1mm, Approx. Length = 2.5m.
Distance from Left side External Column = 0m, Height from Floor = 3m.



Photo 22
Inclined Crack on Wall No. 1 of Shop No.57, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 23
Dampness/Seepage on Wall No. 1 & 3 of Hall No. 1 of First Floor



Photo 24
Peeling of Plaster on Wall No. 4 of Hall No. 1 of First Floor



Photo 25
Dampness/Seepage on Wall No. 4 of Hall No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 26
Dampness/Seepage on Wall No. 7 of Hall No. 1 of First Floor



Photo 27
Dampness/Seepage on Wall No. 4 & Roof of Toilet No. 1 of First Floor



Photo 28
Peeling of Plaster on Wall No. 4 of Bathroom of First Floor



Photo 29
Dampness/Seepage on Roof of Room No. 1 of Second Floor



Photo 30
Damaged Portion on Roof of Room No. 1 of Second Floor



Photo 31
Peeling of Plaster on Roof of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 32
Peeling of Plaster on Roof of Room No. 1 of Second Floor



Photo 33
Dampness/Seepage on Wall No. 2 of Room No. 1 of Second Floor



Photo 34
Peeling of Plaster on Wall No. 1 of Room No. 2 of Second Floor



Photo 35
Damaged Portion on Wall No. 1 of Room No. 2 of Second Floor



Photo 36
Peeling of Plaster on Roof of Room No. 2 of Second Floor



Photo 37
Dampness/Seepage on Wall No. 1, 4 & Roof of Room No. 4 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 38

Peeling of Plaster on Wall No. 1 of Room No. 4 of Third Floor



Photo 39

Dampness/Seepage on Wall No. 1 & Roof of Room No. 4 of Third Floor



Photo 40

Peeling of Plaster on Wall No. 4 & Roof of Room No. 1 of Third Floor



Photo 41

Peeling of Plaster on Wall No. 2 of Room No. 1 of Third Floor



Photo 42

Peeling of Plaster on Wall No. 3 of Room No. 1 of Third Floor



Photo 43

Damaged Portion on Step of Staircase TF to Fourth Floor of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 44

Peeling of Plaster on All walls of Room No. 1 of Fourth Floor



Photo 45

Dampness/Seepage on Wall No. 1, 4 & Roof of H.No.466 of Fourth Floor



Photo 46

Peeling of Plaster on Roof of Staircase Fourth to Fifth Floor



Photo 47

Peeling of Plaster on Roof of Staircase Fourth to Fifth Floor



Photo 48

Peeling of Plaster on Roof of Staircase Fourth to Fifth Floor



Photo 49

Dampness/Seepage on Wall No. 2 & 3 of Room No. 1 of Fifth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 50
Dampness/Seepage on Wall No. 3 of Room No. 1 of Fifth Floor



Photo 51
Dampness/Seepage on Wall No. 1 of Room No. 1 of Fifth Floor



Photo 52
Peeling of Plaster on Staircase FF to SF



Photo 53
Dampness/Seepage on Wall No. 1, 2 & Roof of Staircase FF to GF



Photo 54
Peeling of Plaster on Beam of Varanda of Shop No.57, Ground Floor



Photo 55
Peeling of Plaster on Roof of Varanda of Shop No.57, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 56

Dampness/Seepage on Wall No. 1, 4 & Roof of Shop No.57 of Ground Floor



Photo 57

Dampness/Seepage on Wall No. 2 & 4 of Shop No.57 of Ground Floor



Photo 58

All Walls of Shop No.57 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 464
58, Ramganj Market
Jaipur
Unique ID: BC RA DN 0050

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0050/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Mr. Abdul Wahid
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1763 and is 250 years old.

There are 50 defects in the structure out of which 19 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category IV (Severe)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	6	31.58%
Slight (1 to 5mm)	8	42.11%
Moderate (5 to 15mm)	4	21.05%
Severe (15 to 25mm)	1	5.26%
Very Severe (>25mm)	0	0%

The average width of cracks is 3.78mm and average length of cracks is 1.63m. The maximum crack width is 15mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0050/58	Daulat Ram Ompraksh		
BC-RA-DL/0050/FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 464
2	Building Address	House No. 464 58, Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Balcony First Floor	Inclined	10	3	Moderate	4
2	Wall No. 4 Balcony First Floor	Inclined	1	2	Slight	5
3	Wall No. 3 Balcony First Floor	Inclined	15	2	Severe	6, 6A
4	Wall No. 3 First Floor	Inclined	10	2	Moderate	7
5	Wall No. 3 First Floor	Inclined	2	2	Slight	8
6	Wall No. 2 Lobby First Floor	Inclined	2.5	1.9	Slight	9, 9A
7	H. No.464 First Floor	Inclined	0.3	2	Very Slight	10
8	H. No.464 First Floor	Inclined	0.3	2	Very Slight	11
9	Wall No. 4 Room No. 1 H. No.464, Second Floor	Inclined	0.5	1	Very Slight	12
10	Roof & 4 Lobby Second Floor	Inclined	1	3	Slight	13
11	Wall No. 3 Lobby Second Floor	Inclined	0.3	1	Very Slight	14
12	Wall No. 4 & Tinshed Area H.No.464 Terrace	Inclined	0.5	1	Very Slight	15
13	Wall No. 3 & Tinshed Area H.No.464 Terrace	Inclined	2.5	1	Slight	16, 16A
14	Outer Wall & 3 H.No.464 Terrace	Inclined	2.5	1	Slight	17, 17A
15	Wall No. 3 Open Sky Terrace	Inclined	2	1	Slight	18
16	Wall No. 2 & Roof Staircase TF to Terrace	Inclined	1	1	Slight	19
17	Wall No. 1 & Roof Staircase TF to Terrace	Inclined	10	2	Moderate	20
18	Staircase GF to FF	Inclined	10	1	Moderate	21
19	Left side External Beam Varanda Shop No.58, Ground Floor	Inclined	0.5	1	Very Slight	22

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
20	Wall No. 3 Lobby First Floor	Peeling of Plaster	23
21	Wall No. 4 Room No. 1 First Floor	Peeling of Plaster	24
22	Floor Lobby First Floor	Peeling of Plaster	25
23	Wall No. 2, 4 & Roof H. No.464 Second Floor	Dampness/Seepage	26
24	Roof Room No. 1 H. No.464, Second Floor	Peeling of Plaster	27
25	Roof Room No. 1 H. No.464, Second Floor	Peeling of Plaster	28
26	Floor Room No. 1 H. No.464, Second Floor	Peeling of Plaster	29
27	Wall No. 4 & Roof of Lobby Second Floor	Dampness/Seepage	30
28	Wall No. 4 ,Roof & Lobby Second Floor	Dampness/Seepage	31
29	Wall No. 3 Lobby Second Floor	Damaged Portion	32
30	Roof Varanda Second Floor	Peeling of Plaster	33
31	Wall No. 4 Varanda Second Floor	Damaged Portion	34
32	Wall No. 4 Varanda Second Floor	Peeling of Plaster	35
33	Wall No. 4 & 1 Lobby Second Floor	Damaged Portion	36
34	Wall No. 2 & Tinshed Area H.No.464 Terrace	Peeling of Plaster	37
35	Wall No. 1 & Tinshed Area H.No.464 Terrace	Peeling of Plaster	38
36	Wall No. 3 Open Sky Terrace	Damaged Portion	39
37	Wall No. 3 Open Sky Terrace	Damaged Portion	40

38	Wall No. 3 Open Sky Terrace	Damaged Portion	41
39	Wall No. 4 Open Sky Terrace	Damaged Portion	42
40	Wall No. 4 Open Sky Terrace	Peeling of Plaster	43
41	Staircase TF to Terrace	Peeling of Plaster	44
42	Staircase SF to FF	Peeling of Plaster	45
43	Steps Staircase GF to FF Terrace	Peeling of Plaster	46
44	Steps Staircase GF to FF Terrace	Peeling of Plaster	47
45	Staircase GF to FF Terrace	Peeling of Plaster	48
46	Wall No. 1 Staircase GF to FF Terrace	Damaged Portion	49
47	Wall No. Frontside Shade First Floor	Damaged Portion	50
48	Wall No. Left side External Column Varanda Shop No.58, Ground Floor	Peeling of Plaster	51
49	Roof Varanda Shop No.58, Ground Floor	Peeling of Plaster	52
50	Roof Shop No.58 Ground Floor	Dampness/Seepage	53

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No.58 Ground Floor	Covered with Material	54



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2
, Terrace



Photo 3

View of shop No.58 Daulat ram Om Prakash Kirana Marchant, Ground Floor

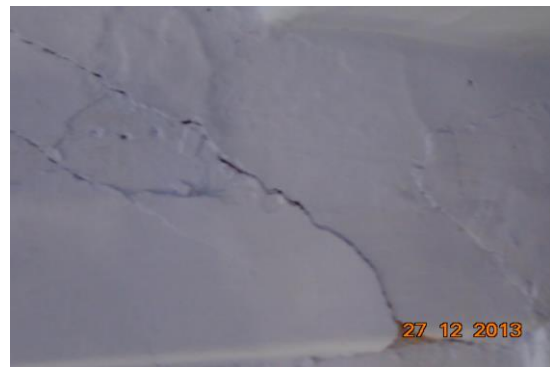


Photo 4

Inclined Crack on Wall No. 4 of Balcony, First Floor
Approx. Width = 10mm, Approx. Length = 3m.
Distance from = m, Height from Floor = m.



Photo 5

Inclined Crack on Wall No. 4 of Balcony, First Floor
Approx. Width = 1mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 6

Inclined Crack on Wall No. 3 of Balcony, First Floor
Approx. Width = 15mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6A

Inclined Crack on Wall No. 3 of Balcony, First Floor
Approx. Width = 15mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 7

Inclined Crack on Wall No. 3 of , First Floor
Approx. Width = 10mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 8

Inclined Crack on Wall No. 3 of , First Floor
Approx. Width = 2mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 9

Inclined Crack on Wall No. 2 of Lobby, First Floor
Approx. Width = 2.5mm, Approx. Length = 1.9m.
Distance from Wall No.4 = 0.4m, Height from Floor = 0m.



Photo 9A

Inclined Crack on Wall No. 2 of Lobby, First Floor
Approx. Width = 2.5mm, Approx. Length = 1.9m.
Distance from Wall No.4 = 0.4m, Height from Floor = 0m.



Photo 10

Inclined Crack on of H. No.464, First Floor
Approx. Width = 0.3mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Wall No. 4 of Room No. 1, H. No.464, First Floor
Approx. Width = 0.3mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 12

Inclined Crack on Wall No. 4 of Room No. 1, H. No.464, Second Floor
Approx. Width = 0.5mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 13

Inclined Crack on Wall No. Roof & 4 of Lobby, Second Floor
Approx. Width = 1mm, Approx. Length = 3m.
Distance from = m, Height from Floor = m.



Photo 14

Inclined Crack on Wall No. 3 of Lobby, Second Floor
Approx. Width = 0.3mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 15

Inclined Crack on Wall No. 4 & Tinshed Area of H.No.464, Terrace
Approx. Width = 0.5mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 16

Inclined Crack on Wall No. 3 & Tinshed Area of H.No.464, Terrace
Approx. Width = 2.5mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 16A

Inclined Crack on Wall No. 3 & Tinshed Area of H.No.464, Terrace
Approx. Width = 2.5mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 17

Inclined Crack on Wall No. Outer Wall & 3 of H.No.464, Terrace
Approx. Width = 2.5mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 17A

Inclined Crack on Wall No. Outer Wall & 3 of H.No.464, Terrace
Approx. Width = 2.5mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 18

Inclined Crack on Wall No. 3 of Open Sky, Terrace
Approx. Width = 2mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 19

Inclined Crack on Wall No. 2 & Roof of Staircase TF to Terrace, Terrace
Approx. Width = 1mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 20

Inclined Crack on Wall No. 1 & Roof of Staircase TF to Terrace, Terrace
Approx. Width = 10mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 21

Inclined Crack on Wall No. 2 of Staircase GF to FF, Terrace
Approx. Width = 10mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 22

Inclined Crack on Wall No. Left side External Beam of Varanda, Shop No.58, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 1m.
Distance from = m. Height from Floor = m.



Photo 23

Peeling of Plaster on Wall No. 3 of Lobby of First Floor



Photo 24

Peeling of Plaster on Wall No. 4 of Room No. 1 of First Floor



Photo 25

Peeling of Plaster on Wall No. Floor of Lobby of First Floor



Photo 26

Dampness/Seepage on Wall No. 2, 4 & Roof of H. No.464 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 27

Peeling of Plaster on Roof of Room No. 1 of H. No.464, Second Floor



Photo 28

Peeling of Plaster on Roof of Room No. 1 of H. No.464, Second Floor



Photo 29

Peeling of Plaster on Wall No. Floor of Room No. 1 of H. No.464, Second Floor



Photo 30

Dampness/Seepage on Wall No. Roof & 4 of Lobby of Second Floor



Photo 31

Dampness/Seepage on Wall No. Roof & 4 of Lobby of Second Floor



Photo 32

Damaged Portion on Wall No. 3 of Lobby of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 33

Peeling of Plaster on Roof of Varanda of Second Floor



Photo 34

Damaged Portion on Wall No. 4 of Varanda of Second Floor



Photo 35

Peeling of Plaster on Wall No. 4 of Varanda of Second Floor



Photo 36

Damaged Portion on Wall No. 4 & 1 of Lobby of Second Floor



Photo 37

Peeling of Plaster on Wall No. 2 & Tinshed Area of H.No.464 of Terrace



Photo 38

Peeling of Plaster on Wall No. 1 & Tinshed Area of H.No.464 of Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 39

Damaged Portion on Wall No. 3 of Open Sky of Terrace



Photo 40

Damaged Portion on Wall No. 3 of Open Sky of Terrace



Photo 41

Damaged Portion on Wall No. 3 of Open Sky of Terrace



Photo 42

Damaged Portion on Wall No. 4 of Open Sky of Terrace



Photo 43

Peeling of Plaster on Wall No. 4 of Open Sky of Terrace

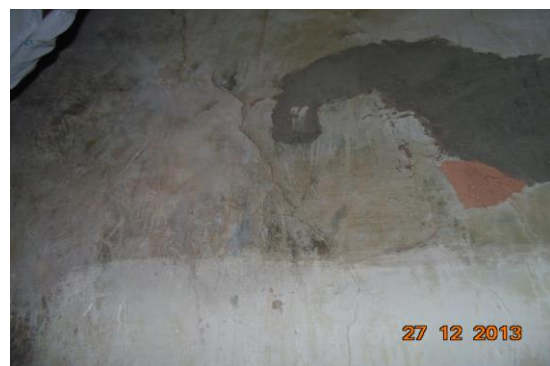


Photo 44

Peeling of Plaster on Wall No. 2 of Staircase TF to Terrace of Terrace

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 45

Peeling of Plaster on Wall No. 2 of Staircase SF to FF of Terrace



Photo 46

Peeling of Plaster on Wall No. Steps of Staircase GF to FF of Terrace



Photo 47

Peeling of Plaster on Wall No. Steps2 of Staircase GF to FF of Terrace



Photo 48

Peeling of Plaster on Wall No. 1 of Staircase GF to FF of Terrace



Photo 49

Damaged Portion on Wall No. 1 of Staircase GF to FF of Terrace



Photo 50

Damaged Portion on Wall No. Frontside Shade of of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 51

Peeling of Plaster on Wall No. Left side External Column of Varanda of Shop No.58, Ground Floor



Photo 52

Peeling of Plaster on Roof of Varanda of Shop No.58, Ground Floor



Photo 53

Dampness/Seepage on Roof of Shop No.58 of Ground Floor



Photo 54

All Walls of Shop No.58 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 461 & Shop No. 59-60
Ramganj Market,
Jaipur
Unique ID: BC RA DN 0051

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0051/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1763 and is 250 years old.

There are 5 defects in the structure out of which 3 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	66.67%
Slight (1 to 5mm)	1	33.33%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1mm and average length of cracks is 2.17m. The maximum crack width is 2mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0051/59	Ram Chander Shankar Lal Kirana		
BC-RA-DL/0051/60	Jaipuria Merchant		
BC-RA-DL/0051/FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 461 & Shop No. 59-60
2	Building Address	Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Varanda Shop No.59, Ground Floor	Horizontal	0.7	2	Very Slight	4
2	Roof Shop No.59 Ground Floor	Inclined	0.3	2	Very Slight	5
3	Roof Varanda Shop No. 60, Ground Floor	Horizontal	2	2.5	Slight	6

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
4	Left side External Column Varanda Shop No. 60, Ground Floor	Peeling of Plaster	7
5	Roof	Dampness/Seepage	8

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No.59 Ground Floor	Covered with Material	9
2	All Walls Shop No.60 Ground Floor		10
3	All Walls Shop No.60 Ground Floor		11
4	House No. 461 First Floor	Locked	12

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House No. 461 Locked



Photo 2
Ram Chander Shankar Lal Kirana Merchant, Ground Floor



Photo 3
View of Shop No.60 Jaipur Yarn Merchant, Ground Floor



Photo 4
Horizontal Crack on Roof of Varanda, Shop No.59, Ground Floor, Approx. Width = 0.7mm, Approx. Length = 2m. Distance from Left side External Column = 0.6m, Height from Floor = 3m.



Photo 5
Inclined Crack on Roof of Shop No.59, Ground Floor
Approx. Width = 0.3mm, Approx. Length = 2m.



Photo 6
Horizontal Crack on Roof of Varanda, Shop No. 60, Ground Floor, Approx. Width = 2mm, Approx. Length = 2.5m. Distance from Left side External Column = 0m, Height from Floor = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Peeling of Plaster on Left side External Column of Varanda of Shop No. 60, Ground Floor



Photo 8

Dampness/Seepage on Roof



Photo 9

All Walls of Shop No.59 of Ground Floor Covered with Material



Photo 10

All Walls of Shop No.60 of Ground Floor



Photo 11

All Walls of Shop No.60 of Ground Floor



Photo 12

House No. 461 of First Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 459 & Shop No. 61-65
61-65, Ramganj Market
Jaipur
Unique ID: BC RA DN 0052

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0052/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	01/01/2014	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1763 and is 250 years old.

There are 137 defects in the structure out of which 11 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category IV (Severe)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	18.18%
Slight (1 to 5mm)	7	63.64%
Moderate (5 to 15mm)	1	9.09%
Severe (15 to 25mm)	1	9.09%
Very Severe (>25mm)	0	0%

The average width of cracks is 3.65mm and average length of cracks is 2.21m. The maximum crack width is 15mm and minimum width is 0.8mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0052/61	Ram Chander Moti Lal Exim		
BC-RA-DL/0052/62	Rama Medical Store		
BC-RA-DL/0052/63	Axis Bank		
BC-RA-DL/0052/64	Fatehpuria Store		
BC-RA-DL/0052/65	Sh. Fatehpuria Medicos		
BC-RA-DL/52/FF-TF	Fatehpuria Bhawan		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 459 & Shop No. 61-65
2	Building Address	House No. 459 & Shop No. 61-65 61-65, Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Shop No.63 Ground Floor	Inclined	0.9	2.5	Very Slight	8
2	Roof Varanda Shop No.62, Ground Floor	Horizontal	1	2.5	Slight	9
3	Wall No. 2 Lobby First Floor	Inclined	2.5	0.6	Slight	10, 10A
4	Wall No. 2 First Floor	Inclined	2.5	0.5	Slight	11
5	Wall No. 1 First Floor	Horizontal	1.5	1.5	Slight	12
6	Wall No. 3 First Floor	Vertical	0.8	2	Very Slight	13, 13A
7	Wall No. 2 & 4 Hall No. 3 First Floor	Vertical	15	3	Severe	14
8	Roof Room No. 1 Third Floor	Horizontal	1.5	3.5	Slight	15
9	Roof Room No. 1 Third Floor	Horizontal	1	3.5	Slight	16
10	Roof Room No. 1 Third Floor	Horizontal	1.5	2.7	Slight	17
11	Wall No. 1 Hall No. 1 Third Floor	Inclined	12	2	Moderate	18, 18A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
12	Outer Wall & Floor Shop No.63 Ground Floor	Peeling of Plaster	19
13	Outer Leftside External Column Shop No.64 Ground Floor	Peeling of Plaster	20
14	Floor Shop No.64 Ground Floor	Peeling of Plaster	21
15	Leftside External Column Beam Shop No.64 Ground Floor	Peeling of Plaster	22
16	Roof Shop No.64 Ground Floor	Dampness/Seepage	23
17	Beam Varanda Shop No.61, Ground Floor	Dampness/Seepage	24
18	Roof Varanda Shop No.61, Ground Floor	Dampness/Seepage	25
19	Wall No. 4 Shop No.62 Ground Floor	Dampness/Seepage	26
20	Roof Lobby 1 First Floor	Peeling of Plaster	27
21	Wall No. 3 First Floor	Peeling of Plaster	28
22	Roof & Wall No.3 First Floor	Plaster Crack	29
23	Floor First Floor	Plaster Crack	30
24	Roof & Wall No. 4 Hall No. 1 First Floor	Dampness/Seepage	31
25	Wall No. 2 First Floor	Dampness/Seepage	32
26	Wall No. 1 Hall No. 2 First Floor	Plaster Crack	33
27	Roof Lobby 2 First Floor	Plaster Crack	34
28	Wall No. 3 First Floor	Peeling of Plaster	35
29	Wall No. 1 First Floor	Plaster Crack	36
30	Wall No. 4 First Floor	Peeling of Plaster	37
31	Wall No. 1 Room No. 1 First Floor	Dampness/Seepage	38
32	Roof & Wall No.4 First Floor	Dampness/Seepage	39
33	Roof First Floor	Plaster Crack	40
34	Wall No. 3 First Floor	Plaster Crack	41
35	Wall No. 2 & 3 Room No. 3 First Floor	Plaster Crack	42
36	Floor Hall No. 3 First Floor	Plaster Crack	43
37	Roof & Wall No. 4 First Floor	Peeling of Plaster	44
38	Wall No. 4 First Floor	Peeling of Plaster	45

39	Roof, Wall No.1 & 4 First Floor	Dampness/Seepage	46
40	Wall No. 1 First Floor	Peeling of Plaster	47
41	Wall No. 3 First Floor	Plaster Crack	48
42	Roof First Floor	Plaster Crack	49
43	Roof First Floor	Plaster Crack	50
44	Roof Toilet No. 1 First Floor	Dampness/Seepage	51
45	Roof Toilet No. 1 First Floor	Dampness/Seepage	52
46	Wall No. 1 First Floor	Dampness/Seepage	53
47	Wall No. 2 First Floor	Dampness/Seepage	54
48	Roof Lobby Second Floor	Damaged Portion	55
49	Roof Lobby Second Floor	Damaged Portion	56
50	Wall No. 4 Second Floor	Peeling of Plaster	57
51	Wall No. 1 Second Floor	Peeling of Plaster	58
52	Roof Toilet No. 1 Second Floor	Dampness/Seepage	59
53	Wall No. 1 & 4 Second Floor	Dampness/Seepage	60
54	Wall No. 2 & 4 Second Floor	Dampness/Seepage	61
55	Wall No. 3 Second Floor	Dampness/Seepage	62
56	Wall No. 1, 2 & 4 Second Floor	Dampness/Seepage	63
57	Floor Second Floor	Plaster Crack	64
58	Floor Room No. 1 Second Floor	Peeling of Plaster	65
59	Roof Second Floor	Dampness/Seepage	66
60	Wall No. 2 & 4 Second Floor	Dampness/Seepage	67
61	Wall No. 3 Second Floor	Dampness/Seepage	68
62	Roof & Wall No. 4 Room No. 2 Second Floor	Dampness/Seepage	69
63	Wall No. 1 Second Floor	Dampness/Seepage	70
64	Wall No. 2 Second Floor	Dampness/Seepage	71
65	Roof Hall No. 1 Second Floor	Peeling of Plaster	72
66	Roof Hall No. 1 Second Floor	Peeling of Plaster	73
67	Roof Hall No. 1 Second Floor	Peeling of Plaster	74
68	Roof Hall No. 1 Second Floor	Peeling of Plaster	75
69	Wall No. 1 Second Floor	Peeling of Plaster	76
70	Wall No. 1 Second Floor	Peeling of Plaster	77
71	Wall No. 4 Second Floor	Plaster Crack	78
72	Wall No. 2 Second Floor	Dampness/Seepage	79
73	Wall No. 3 Second Floor	Dampness/Seepage	80
74	Roof Second Floor	Peeling of Plaster	81
75	Floor Lobby 1 Second Floor	Peeling of Plaster	82
76	Roof Hall No. 1 Second Floor	Plaster Crack	83
77	Roof Hall No. 1 Second Floor	Plaster Crack	84
78	Wall No. 4 Room No. 3 Second Floor	Peeling of Plaster	85
79	Wall No. 3 Hall No. 1 Second Floor	Peeling of Plaster	86
80	Wall No. 2 & 4 Room No. 4 Second Floor	Dampness/Seepage	87
81	Wall No. 2 Stair Sf To Tf Third Floor	Damaged Portion	88
82	Roof Third Floor	Peeling of Plaster	89
83	Wall No. 4 Third Floor	Peeling of Plaster	90
84	Wall No. 3 Third Floor	Damaged Portion	91
85	Wall No. 4 Third Floor	Peeling of Plaster	92
86	Wall No. 4 Third Floor	Peeling of Plaster	93
87	Floor Bathroom No. 1 Third Floor	Plaster Crack	94
88	Roof Toilet No. 1 Third Floor	Peeling of Plaster	95
89	Wall No. 2 Third Floor	Dampness/Seepage	96
90	Wall No. 1 & 4 Third Floor	Dampness/Seepage	97
91	Wall No. 4 Third Floor	Plaster Crack	98

92	Roof & Wall No. 1 Third Floor	Peeling of Plaster	99
93	Roof & Wall No. 1 Third Floor	Peeling of Plaster	100
94	Roof Kitchen Third Floor	Plaster Crack	101
95	Roof Kitchen Third Floor	Plaster Crack	102
96	Wall No. 4 Kitchen Third Floor	Peeling of Plaster	103
97	Wall No. 3 Third Floor	Peeling of Plaster	104
98	Wall No. 3 Third Floor	Peeling of Plaster	105
99	Wall No. 4 Third Floor	Peeling of Plaster	106
100	Wall No. 2 & 4 Hall No. 1 Third Floor	Dampness/Seepage	107
101	Wall No. 2 Third Floor	Plaster Crack	108
102	Roof Third Floor	Plaster Crack	109
103	Roof Third Floor	Plaster Crack	110
104	Wall No. 1 Third Floor	Dampness/Seepage	111
105	Wall No. 3 Third Floor	Dampness/Seepage	112
106	Roof Room No. 2 Third Floor	Plaster Crack	113
107	Wall No. 3 Third Floor	Peeling of Plaster	114
108	Wall No. 4 Third Floor	Peeling of Plaster	115
109	Wall No. 4 Third Floor	Dampness/Seepage	116
110	Wall No. 4 Third Floor	Dampness/Seepage	117
111	Wall No. 1 Third Floor	Peeling of Plaster	118
112	Roof & Wall No. 2 Room No. 3 Third Floor	Peeling of Plaster	119
113	Roof Third Floor	Dampness/Seepage	120
114	Third Floor	Dampness/Seepage	121
115	Roof & Wall No. 4 Room No. 4 Third Floor	Dampness/Seepage	122
116	Wall No. 4 Third Floor	Dampness/Seepage	123
117	Wall No. 1 Third Floor	Dampness/Seepage	124
118	Wall No. 2 Third Floor	Dampness/Seepage	125
119	Wall No. 3 Third Floor	Dampness/Seepage	126
120	Wall No. 3 Third Floor	Dampness/Seepage	127
121	Roof & Wall No. 4 Room No. 5 Third Floor	Dampness/Seepage	128
122	Wall No. 1 Third Floor	Dampness/Seepage	129
123	Wall No. 2 Third Floor	Dampness/Seepage	130
124	Wall No. 3 Third Floor	Dampness/Seepage	131
125	Outer Wall FF External Façade	Damaged Portion	132
126	Outer Wall FF External Façade	Damaged Portion	133
127	Outer Wall FF External Façade	Damaged Portion	134
128	Outer Wall FF External Façade	Damaged Portion	135
129	Outer Wall SF External Façade	Peeling of Plaster	136
130	Outer Wall SF External Façade	Peeling of Plaster	137
131	Outer Wall SF External Façade	Peeling of Plaster	138
132	Outer Wall SF External Façade	Peeling of Plaster	139
133	Outer Wall SF External Façade	Peeling of Plaster	140
134	Outer Wall FF External Façade	Peeling of Plaster	141
135	Outer Wall FF External Façade	Peeling of Plaster	142
136	Outer Wall FF External Façade	Peeling of Plaster	143
137	Outer Wall FF External Façade	Peeling of Plaster	144

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Part A of Shop No.64 Ground Floor	Covered with Material	145
2	Wall No. 4 Part B of Shop No.64 Ground Floor	Covered with Material	146
3	Roof Part A of Shop No.64 Ground Floor	Covered with Wooden	147
4	Shop No.65 Ground Floor	Locked	148

5	Wall No. 2 Shop No.61 Ground Floor	Covered with Almira	149
6	Wall No. 1 Shop no.61 Ground Floor	Covered with Almira	150
7	All Walls Shop No.62 Ground Floor	Covered with Material	151
8	Floor Hall No. 1 First Floor	Covered with Material	152
9	Floor Hall No. 2 First Floor	Covered with Material	153
10	Wall No. 1, 2 & 4 First Floor	Covered with Tiles	154



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2
View of Axis Bank ATM, Ground Floor



Photo 3
View of Shop, Ground Floor



Photo 4
View of Fatehpuria Store, Ground Floor



Photo 5
View of Shop Sh. Fatehpuria Medicos, Ground Floor



Photo 6
View of Shop No.61 Ram Chandra Moti Lal, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

View of Shop No.62 Medical Store, Ground Floor



Photo 8

Inclined Crack on Roof of Shop No.63, Ground Floor Approx. Width = 0.9mm, Approx. Length = 2.5m. Distance from Leftside External Column = 0m, Height from Floor = 3m.



Photo 9

Horizontal Crack on Roof of Varanda, Shop No.62, Ground Floor Approx. Width = 1mm, Approx. Length = 2.5m. Distance from Left side External Column = 0m, Height from Floor = 3m.



Photo 10

Inclined Crack on Wall No. 2 of Lobby, First Floor Approx. Width = 2.5mm, Approx. Length = 0.6m. Distance from Wall No. 3 = 0.05m, Height from Floor = 0.3m.



Photo 10A

Inclined Crack on Wall No. 2 of Lobby, First Floor, Approx. Width = 2.5mm, Approx. Length = 0.6m. Distance from Wall No. 3 = 0.05m, Height from Floor = 0.3m.



Photo 11

Inclined Crack on Wall No. 2 of , First Floor, Approx. Width = 2.5mm, Approx. Length = 0.5m. Distance from Wall No. 3 = 0.05m, Height from Floor = 2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12

Horizontal Crack on Wall No. 1 of , First Floor, Approx. Width = 1.5mm,
Approx. Length = 1.5m.
Distance from Wall No. 4 = 0.2m, Height from Floor = 2m.



Photo 13

Vertical Crack on Wall No. 3 of , First Floor, Approx. Width = 0.8mm,
Approx. Length = 2m.
Distance from Wall No. 1 = 2m, Height from Floor = 0m.



Photo 13A

Vertical Crack on Wall No. 3 of , First Floor, Approx. Width = 0.8mm,
Approx. Length = 2m.
Distance from w1 = 2m, Height from Floor = 0m.



Photo 14

Vertical Crack on Wall No. 2 & 4 of Hall No. 3, First Floor, Approx. Width
= 15mm, Approx. Length = 3m.
Distance from = m, Height from Floor = m.



Photo 15

Horizontal Crack on Roof of Room No. 1, Third Floor, Approx. Width =
1.5mm, Approx. Length = 3.5m.
Distance from w2 = 1.6m, Height from Floor = 2.8m.



Photo 16

Horizontal Crack on Roof of Room No. 1, Third Floor, Approx. Width =
1mm, Approx. Length = 3.5m.
Distance from w2 = 2.6m, Height from Floor = 2.7m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 17

Horizontal Crack on Roof of Room No. 1, Third Floor, Approx. Width = 1.5mm, Approx. Length = 2.7m.
Distance from w2 = 3m, Height from Floor = 2.7m.



Photo 18

Inclined Crack on Wall No. 1 of Hall No. 1, Third Floor, Approx. Width = 12mm, Approx. Length = 2m.
Distance from w3 = 2m, Height from Floor = 1m.



Photo 18A

Inclined Crack on Wall No. 1 of Hall No. 1, Third Floor, Approx. Width = 12mm, Approx. Length = 2m.
Distance from w3 = 2m, Height from Floor = 1m.



Photo 19

Peeling of Plaster on Outer Wall & Floor of Shop No.63 of Ground Floor



Photo 20

Peeling of Plaster on Outer Leftside External Column of Shop No.64 of Ground Floor



Photo 21

Peeling of Plaster on Floor of Shop No.64 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 22

Peeling of Plaster on Leftside External Column Beam of Shop No.64 of Ground Floor

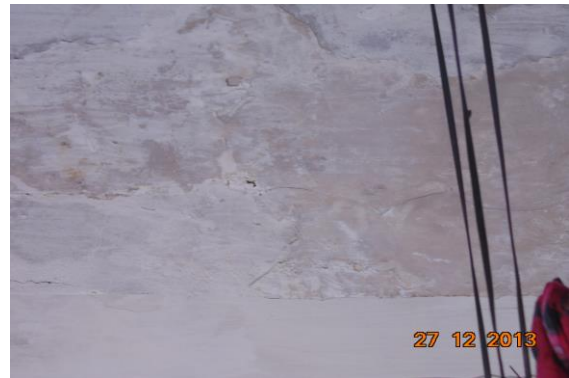


Photo 23

Dampness/Seepage on Roof of Shop No.64 of Ground Floor



Photo 24

Dampness/Seepage on Beam of Varanda of Shop No.61, Ground Floor



Photo 25

Dampness/Seepage on Roof of Varanda of Shop No.61, Ground Floor



Photo 26

Dampness/Seepage on Wall No. 4 of Shop No.62 of Ground Floor



Photo 27

Peeling of Plaster on Roof of Lobby 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 28
Peeling of Plaster on Wall No. 3 of First Floor



Photo 29
Plaster Crack on Roof & Wall No. 3 of First Floor



Photo 30
Plaster Crack on Floor of First Floor



Photo 31
Dampness/Seepage on Roof & Wall No. 4 of Hall No. 1 of First Floor



Photo 32
Dampness/Seepage on Wall No. 2 of First Floor



Photo 33
Plaster Crack on Wall No. 1 of Hall No. 2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34
Plaster Crack on Roof of Lobby 2 of First Floor



Photo 35
Peeling of Plaster on Wall No. 3 of First Floor



Photo 36
Plaster Crack on Wall No. 1 of First Floor



Photo 37
Peeling of Plaster on Wall No. 4 of First Floor



Photo 38
Dampness/Seepage on Wall No. 1 of Room No. 1 of First Floor



Photo 39
Dampness/Seepage on Roof & Wall No.4 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40
Plaster Crack on Roof of First Floor



Photo 41
Plaster Crack on Wall No. 3 of First Floor



Photo 42
Plaster Crack on Wall No. 2 & 3 of Room No. 3 of First Floor



Photo 43
Plaster Crack on Floor of Hall No. 3 of First Floor



Photo 44
Peeling of Plaster on Roof & Wall No.4 of First Floor



Photo 45
Peeling of Plaster on Wall No. 4 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 46
Dampness/Seepage on Roof, Wall No.1 & 4 of First Floor



Photo 47
Peeling of Plaster on Wall No. 1 of First Floor

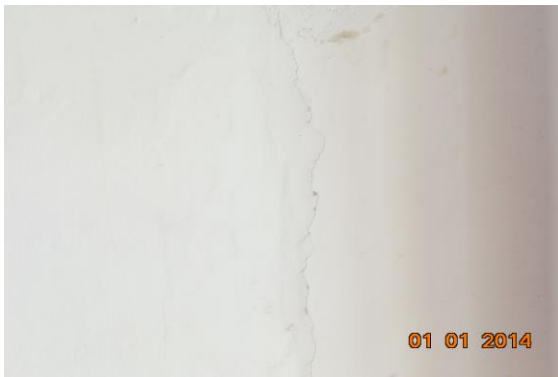


Photo 48
Plaster Crack on Wall No. 3 of First Floor



Photo 49
Plaster Crack on Roof of First Floor

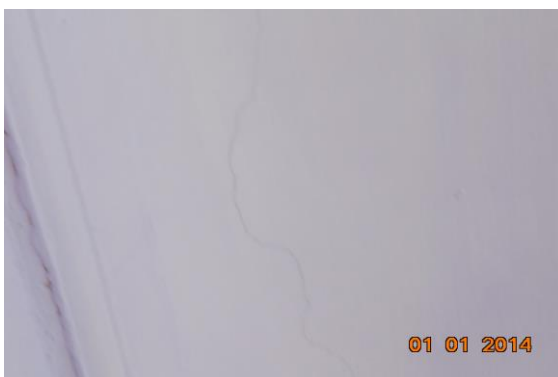


Photo 50
Plaster Crack on Roof of First Floor



Photo 51
Dampness/Seepage on Roof of Toilet No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 52
Dampness/Seepage on Roof of Toilet No. 1 of First Floor



Photo 53
Dampness/Seepage on Wall No. 1 of First Floor



Photo 54
Dampness/Seepage on Wall No. 2 of First Floor



Photo 55
Damaged Portion on Roof of Lobby of Second Floor



Photo 56
Damaged Portion on Roof of Lobby of Second Floor



Photo 57
Peeling of Plaster on Wall No. 4 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 58
Peeling of Plaster on Wall No. 1 of Second Floor



Photo 59
Dampness/Seepage on Roof of Toilet No. 1 of Second Floor



Photo 60
Dampness/Seepage on Wall No. 1 & 4 of Second Floor



Photo 61
Dampness/Seepage on Wall No. 2 & 4 of Second Floor



Photo 62
Dampness/Seepage on Wall No. 3 of Second Floor



Photo 63
Dampness/Seepage on Wall No. 1, 2 & 4 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 64
Plaster Crack on Floor of Second Floor



Photo 65
Peeling of Plaster on Floor of Room No. 1 of Second Floor



Photo 66
Dampness/Seepage on Roof of Second Floor



Photo 67
Dampness/Seepage on Wall No. 2 & 4 of Second Floor



Photo 68
Dampness/Seepage on Wall No. 3 of Second Floor



Photo 69
Dampness/Seepage on Roof & Wall No.4 of Room No. 2 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 70
Dampness/Seepage on Wall No. 1 of Second Floor



Photo 71
Dampness/Seepage on Wall No. 2 of Second Floor



Photo 72
Peeling of Plaster on Roof of Hall No. 1 of Second Floor



Photo 73
Peeling of Plaster on Roof of Hall No. 1 of Second Floor



Photo 74
Peeling of Plaster on Roof of Hall No. 1 of Second Floor



Photo 75
Peeling of Plaster on Roof of Hall No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 76
Peeling of Plaster on Wall No. 1 of Second Floor



Photo 77
Peeling of Plaster on Wall No. 1 of Second Floor



Photo 78
Plaster Crack on Wall No. 4 of Second Floor



Photo 79
Dampness/Seepage on Wall No. 2 of Second Floor



Photo 80
Dampness/Seepage on Wall No. 3 of Second Floor



Photo 81
Peeling of Plaster on Roof of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 82
Peeling of Plaster on Floor of Lobby Wall No.1 of Second Floor



Photo 83
Plaster Crack on Roof of Hall No. 1 of Second Floor



Photo 84
Plaster Crack on Roof of Hall No. 1 of Second Floor



Photo 85
Peeling of Plaster on Wall No. 4 of Room No. 3 of Second Floor



Photo 86
Peeling of Plaster on Wall No. 3 of Hall No. 1 of Second Floor



Photo 87
Dampness/Seepage on Wall No. 2 & 4 of Room No. 4 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 88
Damaged Portion on Wall No. 2 of Stair SF to TF of Third Floor



Photo 89
Peeling of Plaster on Roof of Third Floor



Photo 90
Peeling of Plaster on Wall No. 4 of Third Floor



Photo 91
Damaged Portion on Wall No. 3 of Third Floor

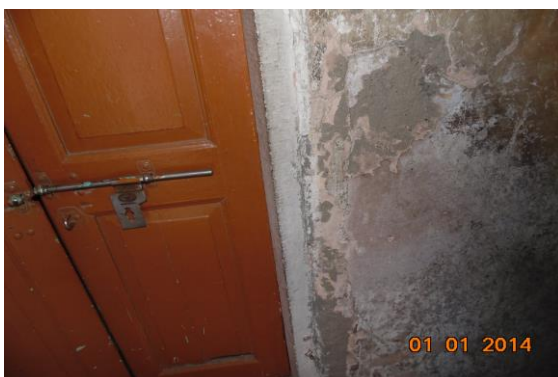


Photo 92
Peeling of Plaster on Wall No. 4 of Third Floor



Photo 93
Peeling of Plaster on Wall No. 4 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 94
Plaster Crack on Floor of Bathroom No. 1 of Third Floor



Photo 95
Peeling of Plaster on Roof of Toilet No. 1 of Third Floor



Photo 96
Dampness/Seepage on Wall No. 2 of Third Floor



Photo 97
Dampness/Seepage on Wall No. 1 & 4 of Third Floor



Photo 98
Plaster Crack on Wall No. 4 of Third Floor



Photo 99
Peeling of Plaster on Roof & Wall No.1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 100
Peeling of Plaster on Roof & Wall No.1 of Third Floor



Photo 101
Plaster Crack on Roof of Kitchen of Third Floor



Photo 102
Plaster Crack on Roof of Kitchen of Third Floor



Photo 103
Peeling of Plaster on Wall No. 4 of Kitchen of Third Floor



Photo 104
Peeling of Plaster on Wall No. 3 of Third Floor



Photo 105
Peeling of Plaster on Wall No. 3 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 106
Peeling of Plaster on Wall No. 4 of Third Floor



Photo 107
Dampness/Seepage on Wall No. 2 & 4 of Hall No. 1 of Third Floor



Photo 108
Plaster Crack on Wall No. 2 of Third Floor



Photo 109
Plaster Crack on Roof of Third Floor



Photo 110
Plaster Crack on Roof of Third Floor



Photo 111
Dampness/Seepage on Wall No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 112
Dampness/Seepage on Wall No. 3 of Third Floor



Photo 113
Plaster Crack on Roof of Room No. 2 of Third Floor



Photo 114
Peeling of Plaster on Wall No. 3 of Third Floor



Photo 115
Peeling of Plaster on Wall No. 4 of Third Floor



Photo 116
Dampness/Seepage on Wall No. 4 of Third Floor



Photo 117
Dampness/Seepage on Wall No. 4 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 118
Peeling of Plaster on Wall No. 1 of Third Floor



Photo 119
Peeling of Plaster on Roof & Wall No.2 of Room No. 3 of Third Floor



Photo 120
Dampness/Seepage on Roof of Third Floor



Photo 121
Dampness/Seepage of Third Floor



Photo 122
Dampness/Seepage on Roof & Wall No. 4 of Room No. 4 of Third Floor



Photo 123
Dampness/Seepage on Wall No. 4 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 124
Dampness/Seepage on Wall No. 1 of Third Floor



Photo 125
Dampness/Seepage on Wall No. 2 of Third Floor



Photo 126
Dampness/Seepage on Wall No. 3 of Third Floor



Photo 127
Dampness/Seepage on Wall No. 3 of Third Floor



Photo 128
Dampness/Seepage on Roof & Wall No. 4 of Room No. 5 of Third Floor



Photo 129
Dampness/Seepage on Wall No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

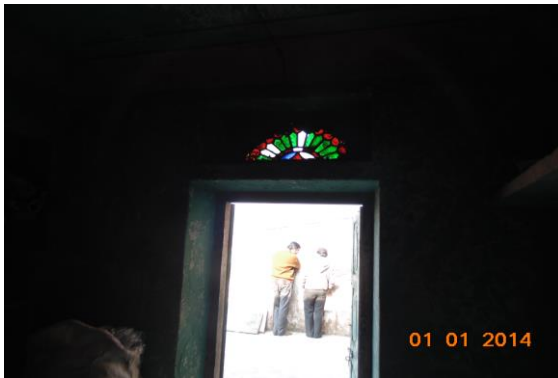


Photo 130
Dampness/Seepage on Wall No. 2 of Third Floor



Photo 131
Dampness/Seepage on Wall No. 3 of Third Floor



Photo 132
Damaged Portion on Outer Wall of FF External Façade



Photo 133
Damaged Portion on Outer Wall of FF External Façade



Photo 134
Damaged Portion on Outer Wall of FF External Façade



Photo 135
Damaged Portion on Outer Wall of FF External Façade

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 136
Peeling of Plaster on Outer Wall of SF External Façade



Photo 137
Peeling of Plaster on Outer Wall of SF External Façade



Photo 138
Peeling of Plaster on Outer Wall of SF External Façade



Photo 139
Peeling of Plaster on Outer Wall of SF External Façade



Photo 140
Peeling of Plaster on Outer Wall of SF External Façade



Photo 141
Peeling of Plaster on Outer Wall of FF External Façade

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 142
Peeling of Plaster on Outer Wall of FF External Façade



Photo 143
Peeling of Plaster on Outer Wall of FF External Façade

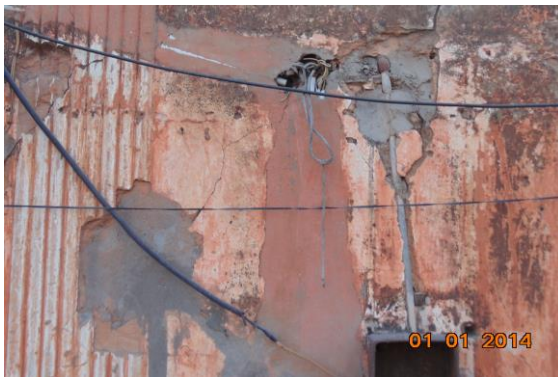


Photo 144
Peeling of Plaster on Outer Wall of FF External Façade



Photo 145
All Walls of Part A of Shop No.64 of Ground Floor Covered with Material



Photo 146
Wall No. 4 of Part B of Shop No.64 of Ground Floor Covered with Material



Photo 147
Roof of Part A of Shop No.64 of Ground Floor Covered with Wooden

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 148
Shop No.65 of Ground Floor Locked



Photo 149
Wall No. 2 of Shop No.61 of Ground Floor Covered with Almira



Photo 150
Wall No. 1 of Shop no.61 of Ground Floor Covered with Almira



Photo 151
All Walls of Shop No.62 of Ground Floor Covered with Material



Photo 152
Floor of Hall No. 1 of First Floor Covered with Material



Photo 153
Floor of Hall No. 2 of First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 154

Wall No. 1, 2 & 4 of First Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 458 & Shop 66-68
66-68, Ramganj Market
Jaipur
Unique ID: BC RA DN 0053

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0053/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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10	Defect Photographs	
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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	01/01/2014	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors. The structure was constructed in year 1763 and is 250 years old.

There are 47 defects in the structure out of which 4 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	50%
Slight (1 to 5mm)	2	50%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.75mm and average length of cracks is 1m. The maximum crack width is 1mm and minimum width is 0.4mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0053/66	Prabhunaryan Fatehpuria		
BC-RA-DL/0053/67	Associates		
BC-RA-DL/0053/68	Ram Chander Motilal		
BC-RA-DL/0053/FF-SF	Trilok Chand & Corporation		
BC-RA-DL/0053/TF-4th F	House No. 458		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 458 & Shop 66-68
2	Building Address	House No. 458 & Shop 66-68 66-68, Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 House No. 458, First Floor	Inclined	1	1.2	Slight	9, 9A
2	Wall No. 4 House No. 458, First Floor	Inclined	0.4	1.5	Very Slight	10, 10A
3	Wall No. 1 House No. 458, First Floor	Inclined	0.6	0.8	Very Slight	11, 11A
4	Wall No. 1 Balcony 1 Fourth Floor	Inclined	1	0.5	Slight	12, 12A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
5	Roof Part D of Shop No.67 Ground Floor	Peeling of Plaster	13
6	Rightside External Column Outer Shop No.68 Ground Floor	Peeling of Plaster	14
7	Wall No. 2 Store 1 House No. 458, First Floor	Dampness/Seepage	15
8	Wall No. 1 House No. 458, First Floor	Dampness/Seepage	16
9	Roof House No. 458, First Floor	Dampness/Seepage	17
10	Balcony Shed House No. 458, First Floor	Dampness/Seepage	18
11	Balcony Shed House No. 458, First Floor	Dampness/Seepage	19
12	Roof Stair FF to SF House No. 458, First Floor	Dampness/Seepage	20
13	Wall No. 2 House No. 458, First Floor	Plaster Crack	21
14	Wall No. 2 House No. 458, First Floor	Plaster Crack	22
15	Wall No. 1 House No. 458, First Floor	Plaster Crack	23
16	Wall No. 1 House No. 458, First Floor	Plaster Crack	24
17	Roof Bathroom House No. 458, Upper First Floor	Dampness/Seepage	25
18	Roof Bathroom House No. 458, Upper First Floor	Dampness/Seepage	26
19	Wall No. 1 Stair FF to SF	Peeling of Plaster	27
20	Wall No. 1 & 3 Gallery 1 House No. 458, First Floor	Dampness/Seepage	28
21	Wall No. 1 & 4 Gallery 3 House No. 458, First Floor	Dampness/Seepage	29
22	Wall No. 4 Gallery 4 House No. 458, First Floor	Plaster Crack	30
23	Wall No. 3 House No. 458, First Floor	Peeling of Plaster	31
24	Wall No. 2 House No. 458, First Floor	Plaster Crack	32
25	Floor House No. 458, First Floor	Plaster Crack	33
26	Toilet No. 1 House No. 458, First Floor	Peeling of Plaster	34
27	Wall No. 2, 3 & Roof Balcony House No. 458, Second Floor	Dampness/Seepage	35
28	Roof Hall No. 1 House No. 458, Second Floor	Dampness/Seepage	36
29	Roof House No. 458, Second Floor	Peeling of Plaster	37
30	Wall No. 2 House No. 458, Second Floor	Peeling of Plaster	38
31	Wall No. 3 House No. 458, Second Floor	Peeling of Plaster	39
32	Wall No. 4 House No. 458, Second Floor	Dampness/Seepage	40
33	Floor House No. 458, Second Floor	Peeling of Plaster	41
34	Wall No. 2 House No. 458, Second Floor	Plaster Crack	42
35	Wall No. 4 Hall No. 1 Third Floor	Dampness/Seepage	43
36	Roof Stair TF to 4th Floor	Plaster Crack	44
37	Wall No. 1 Third Floor	Dampness/Seepage	45
38	Wall No. 1 Hall No. 1 Fourth Floor	Dampness/Seepage	46

39	Wall No. 3 Fourth Floor	Dampness/Seepage	47
40	Wall No. 3 Fourth Floor	Dampness/Seepage	48
41	Wall No. 4 Balcony 2 Fourth Floor	Plaster Crack	49
42	External Wall SF External Hazard	Plaster Crack	50
43	External Wall FF External Hazard	Peeling of Plaster	51
44	External Wall	Peeling of Plaster	52
45	Back Side Shed Second Floor	Peeling of Plaster	53
46	Left Side Shed First Floor	Peeling of Plaster	54
47	Left Side Shed Ground Floor	Peeling of Plaster	55

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Shop No.66 Ground Floor	Covered with Material	56
2	All Walls & Bottam Portion Shop No.67 Basement	Covered with Material	57
3	All Walls Gallery Upper Ground	Covered with material	58
4	All Walls Room No. 2 Upper Ground	Covered with material	59
5	All Walls Shop No.68 Ground Floor	Covered with material	60
6	Wall No. 2, 4 & 3 Bathroom House No. 458, Upper First Floor	Covered with Tiles	61
7	Wall No. 2, 4 & 3 Bathroom House No. 458, Upper First Floor	Covered with Tiles	62



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Shop Prabhu Narayan Fatehpuria, Ground Floor



Photo 3
View of Shop Ram Chander Moti Lal, Ground Floor



Photo 4
View of Shop, Ground Floor



Photo 5
View of Shop Tirlok Chand Jain & Co., Ground Floor



Photo 6
View of Hall No. 1, House No. 458, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Third Floor



Photo 8
View of Hall No. 1, Fourth Floor



Photo 9
Inclined Crack on Wall No. 1 of House No. 458, First Floor
Approx. Width = 1mm, Approx. Length = 1.2m.
Distance from Wall No. 3 = 1.1m, Height from Floor = 1m.



Photo 9A
Inclined Crack on Wall No. 1 of House No. 458, First Floor
Approx. Width = 1mm, Approx. Length = 1.2m.
Distance from Wall No. 3 = 1.1m, Height from Floor = 1m.



Photo 10
Inclined Crack on Wall No. 4 of House No. 458, First Floor
Approx. Width = 0.4mm, Approx. Length = 1.5m.
Distance from Wall No. 1 = 0.6m, Height from Floor = 0m.



Photo 10A
Inclined Crack on Wall No. 4 of House No. 458, First Floor
Approx. Width = 0.4mm, Approx. Length = 1.5m.
Distance from Wall No. 1 = 0.6m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Wall No. 1 of House No. 458, First Floor
Approx. Width = 0.6mm, Approx. Length = 0.8m.
Distance from Wall No. 4 = 0.35m, Height from Floor = 0.1m.



Photo 11A

Inclined Crack on Wall No. 1 of House No. 458, First Floor
Approx. Width = 0.6mm, Approx. Length = 0.8m.
Distance from Wall No. 4 = 0.35m, Height from Floor = 0.1m.

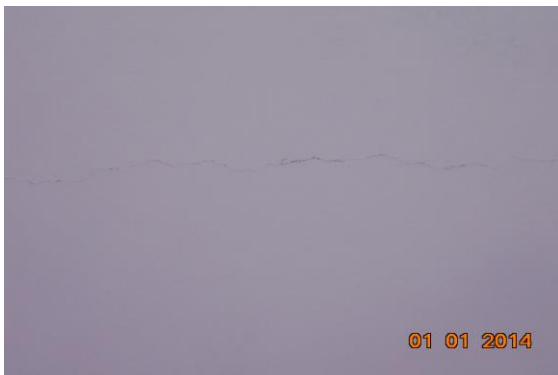


Photo 11A

Inclined Crack on Wall No. 1 of House No. 458, First Floor
Approx. Width = 0.6mm, Approx. Length = 0.8m.
Distance from Wall No. 4 = 0.35m, Height from Floor = 0.1m.



Photo 12

Inclined Crack on Wall No. 1 of Balcony 1, Fourth Floor
Approx. Width = 1mm, Approx. Length = 0.5m.
Distance from Wall No. 1 = 1.5m, Height from Floor = 0m.



Photo 12A

Inclined Crack on Wall No. 1 of Balcony 1, Fourth Floor
Approx. Width = 1mm, Approx. Length = 0.5m.
Distance from Wall No. 1 = 1.5m, Height from Floor = 0m.



Photo 13

Peeling of Plaster on Roof of Part D of Shop No.67 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 14

Peeling of Plaster on Rightside External Column Outer of Shop No.68 of Ground Floor



Photo 15

Dampness/Seepage on Wall No. 2 of Store 1 of House No. 458, First Floor



Photo 16

Dampness/Seepage on Wall No. 1 of House No. 458, First Floor



Photo 17

Dampness/Seepage on Roof of House No. 458, First Floor



Photo 18

Dampness/Seepage on Balcony Shed of House No. 458, First Floor



Photo 19

Dampness/Seepage on Balcony Shed of House No. 458, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 20

Dampness/Seepage on Roof of Stair FF to SF of House No. 458, First Floor



Photo 21

Plaster Crack on Wall No. 2 of House No. 458, First Floor



Photo 22

Plaster Crack on Wall No. 2 of House No. 458, First Floor



Photo 23

Plaster Crack on Wall No. 1 of House No. 458, First Floor



Photo 24

Plaster Crack on Wall No. 1 of House No. 458, First Floor



Photo 25

Dampness/Seepage on Roof of Bathroom of House No. 458, Upper First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 26

Dampness/Seepage on Roof of Bathroom of House No. 458, Upper First Floor



Photo 27

Peeling of Plaster on Wall No. 1 of Stair FF to SF



Photo 28

Dampness/Seepage on Wall No. 1 & 3 of Gallery 1 of House No. 458, First Floor



Photo 29

Dampness/Seepage on Wall No. 1 & 4 of Gallery 3 of House No. 458, First Floor

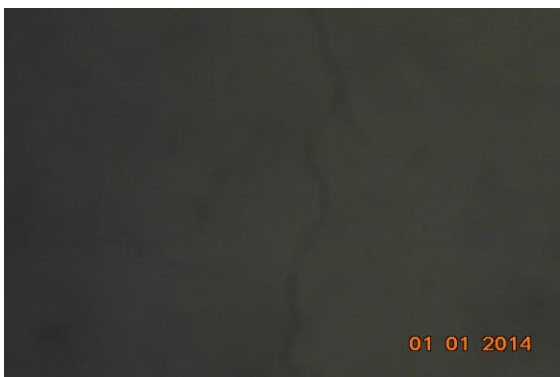


Photo 30

Plaster Crack on Wall No. 4 of Gallery 4 of House No. 458, First Floor



Photo 31

Peeling of Plaster on Wall No. 3 of House No. 458, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 32

Plaster Crack on Wall No. 2 of House No. 458, First Floor



Photo 33

Plaster Crack on Floor of House No. 458, First Floor



Photo 34

Peeling of Plaster on Toilet No. 1 of House No. 458, First Floor



Photo 35

Dampness/Seepage on Wall No. 2, 3 & Roof of Balcony of House No. 458, Second Floor



Photo 36

Dampness/Seepage on Roof of Hall No. 1 of House No. 458, Second Floor



Photo 37

Peeling of Plaster on Roof of House No. 458, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 38

Peeling of Plaster on Wall No. 2 of House No. 458, Second Floor



Photo 39

Peeling of Plaster on Wall No. 3 of House No. 458, Second Floor



Photo 40

Dampness/Seepage on Wall No. 4 of House No. 458, Second Floor



Photo 41

Peeling of Plaster on Floor of House No. 458, Second Floor

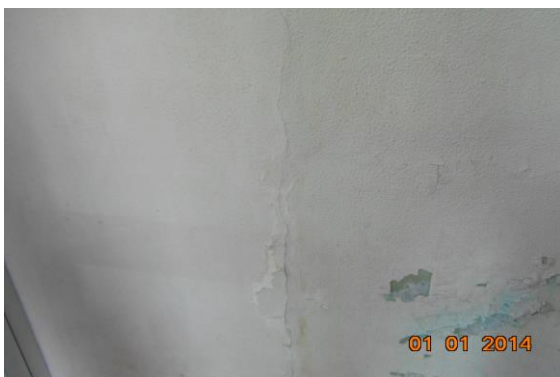


Photo 42

Plaster Crack on Wall No. 2 of House No. 458, Second Floor



Photo 43

Dampness/Seepage on Wall No. 4 of Hall No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 44
Plaster Crack on Roof of Stair TF to 4Th Floor



Photo 45
Dampness/Seepage on Wall No. 1 of Third Floor



Photo 46
Dampness/Seepage on Wall No. 1 of Hall No. 1 of Fourth Floor



Photo 47
Dampness/Seepage on Wall No. 3 of Fourth Floor



Photo 48
Dampness/Seepage on Wall No. 3 of Fourth Floor



Photo 49
Plaster Crack on Wall No. 4 of Balcony 2 of Fourth Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

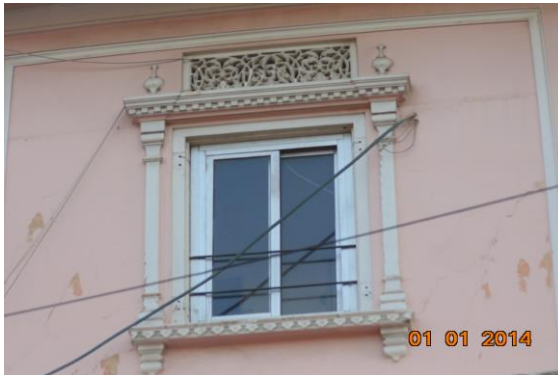


Photo 50
Plaster Crack on External Wall of SF External Hazard



Photo 51
Peeling of Plaster on External Wall of FF External Hazard



Photo 52
Peeling of Plaster on External Wall



Photo 53
Peeling of Plaster on Back Side Shed of Second Floor



Photo 54
Peeling of Plaster on Left Side Shed of First Floor



Photo 55
Peeling of Plaster on Left Side Shed of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 56

All Walls of Shop No.66 of Ground Floor Covered with Material



Photo 57

All Walls & Bottom Portion of Shop No.67 of Basement Covered with Material



Photo 58

All Walls of Gallery of Upper Ground Covered with material



Photo 59

All Walls of Room No. 2 of Upper Ground Covered with material



Photo 60

All Walls of Shop No.68 of Ground Floor Covered with material



Photo 61

Wall No. 2, 4 & 3 of Bathroom of House No. 458, Upper First Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 62

Wall No. 2, 4 & 3 of Bathroom of House No. 458, Upper First Floor
Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 61
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0054

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0054/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Ashok Gupta
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Single Story Load Bearing Structure . The structure was constructed in year 1988 and is 25 years old.

There are 10 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0054	House No. 61		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 61
2	Building Address	House No. 61 Ramganj Bazaar Jaipur
3	Year of Construction	1988
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	25 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	1
13	Depth and Diameter of Bore	200ft deep
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Wall No. 3 Open Sky of House No. 61 Ground Floor	Peeling of Plaster	3
2	Wall No. 2 Open Sky of House No. 61 Ground Floor	Peeling of Plaster	4
3	Wall No. 4 Open Sky of House No. 61 Ground Floor	Peeling of Plaster	5
4	All Wall & roof Toilet No. 1 House No. 61,Ground Floor	Dampness/Seepage	6
5	All Wall Toilet No. 1 House No. 61,Ground Floor	Dampness/Seepage	7
6	Wall No. 1 Toilet No. 1 House No. 61,Ground Floor	Peeling of Plaster	8
7	Wall No. 4 Room No. 2 House No. 61,Ground Floor	Dampness/Seepage	9
8	Wall No. 4 House No. 61 Ground Floor	Dampness/Seepage	10
9	Wall No. 3 External Façade of House No. 61 Ground Floor	Peeling of Plaster	11
10	Wall No. 3 External Façade of House No. 61 Ground Floor	Peeling of Plaster	12

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Roof Varanda of House No. 61 Ground Floor	Tinshed	13
2	Roof Room No. 2 House No. 61,Ground Floor	Tinshed	14
3	Roof Room No. 1 House No. 61,Ground Floor	Tinshed	15

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of House No. 61



Photo 2
Borewell Main View, Ground Floor



Photo 3
Peeling of Plaster on Wall No. 3 of Open Sky of House No. 61 of Ground Floor



Photo 4
Peeling of Plaster on Wall No. 2 of Open Sky of House No. 61 of Ground Floor



Photo 5
Peeling of Plaster on Wall No. 4 of Open Sky of House No. 61 of Ground Floor



Photo 6
Dampness/Seepage on All Wall & roof of Toilet No. 1 of House No. 61, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Dampness/Seepage on All Wall of Toilet No. 1 of House No. 61, Ground Floor



Photo 8

Peeling of Plaster on Wall No. 1 of Toilet No. 1 of House No. 61, Ground Floor



Photo 9

Dampness/Seepage on Wall No. 4 of Room No. 2 of House No. 61, Ground Floor



Photo 10

Dampness/Seepage on Wall No. 4 of House No. 61 of Ground Floor



Photo 11

Peeling of Plaster on Wall No. 3 of External Façade of House No. 61 of Ground Floor



Photo 12

Peeling of Plaster on Wall No. 3 of External Façade of House No. 61 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Roof of Varanda of House No. 61 of Ground Floor Tinshed



Photo 14

Roof of Room No. 2 of House No. 61, Ground Floor Tinshed



Photo 15

Roof of Room No. 1 of House No. 61, Ground Floor Tinshed

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



New Matching Center
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0055

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0055/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1913 and is 100 years old.

There are 24 defects in the structure out of which 3 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	2	66.67%
Moderate (5 to 15mm)	1	33.33%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 4mm and average length of cracks is 1.23m. The maximum crack width is 8mm and minimum width is 1.5mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0055/2	R.M.Centre		
BC-RA-DL/0055/FF-TF	New Matching Centre		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	New Matching Center
2	Building Address	New Matching Center Ramganj Bazaar Jaipur
3	Year of Construction	1913
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	1
13	Depth and Diameter of Bore	120 ft. deep, 4 inch dia
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 3 Open Sky Ground Floor	Inclined	1.5	0.9	Slight	8, 8A
2	Wall No. 3 Hall No. 1 Second Floor	Inclined	8	1.6	Moderate	9, 9A
3	Wall No. 2 Open Area Third Floor	Inclined	2.5	1.2	Slight	10, 10A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
4	Wall No. 1 Passage Ground Floor	Peeling of Plaster	11
5	Wall No. 4 Passage Ground Floor	Dampness/Seepage	12
6	Wall No. 3 open sky Ground Floor	Peeling of Plaster	13
7	Wall No. 4 & 2 Bathroom No. Ground Floor	Damaged Portion	14
8	Wall No. 1 Hall No. 1 Ground Floor	Peeling of Plaster	15
9	Wall No. 1 open sky Ground Floor	Dampness/Seepage	16
10	Wall No. 5 & 6 open sky Ground Floor	Dampness/Seepage	17
11	Wall No. 4 Hall No. 1 First Floor	Dampness/Seepage	18
12	Wall No. 4 Staircase FF to SF First Floor	Dampness/Seepage	19
13	Wall No. 2 Staircase FF to SF First Floor	Dampness/Seepage	20
14	Roof Hall No. 1 Second Floor	Peeling of Plaster	21
15	Wall No. 4 Hall No. 1 Second Floor	Dampness/Seepage	22
16	Wall No. 3 Hall No. 1 Second Floor	Dampness/Seepage	23
17	Wall No. 2 & 4 Staircase SF to TF Second Floor	Dampness/Seepage	24
18	Roof Staircase SF to TF Second Floor	Dampness/Seepage	25
19	Steps Staircase FF to SF Second Floor	Peeling of Plaster	26
20	Wall No. 1 Hall No. 1 Third Floor	Dampness/Seepage	27
21	Wall No. 4 & Roof Hall No. 1 Third Floor	Dampness/Seepage	28
22	Floor Open Area Third Floor	Peeling of Plaster	29
23	Floor Terrace	Peeling of Plaster	30
24	Backside Outer Wall Building Ground Floor	Damaged Portion	31

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Room No. 1 First Floor	Locked	32
2	Shop No.1 Ground Floor	Locked	33
3	Shop No.2 Ground Floor	Locked	34
4	R.M.Cloth Ground Floor	Locked	35
5	Wall No. 1 & 4 New Matching Center Ground Floor	Covered With Material	36
6	Wall No. 2 & 4 New Matching Center Ground Floor	Covered With Material	37
7	Roof New Matching Center Ground Floor	Covered with Wooden	38

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Modi Mosqw



Photo 2
Locked, Ground Floor



Photo 3
View of Terrace, Terrace



Photo 4
View of Borewell, Ground Floor



Photo 5
View of New Matching Center, Ground Floor



Photo 6
View of Building, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of Building, Ground Floor



Photo 8
Inclined Crack on Wall No. 3 of Open Sky, Ground Floor
Approx. Width = 1.5mm, Approx. Length = 0.9m.
Distance from Wall no.8 = 0.05m, Height from Floor = 0m.



Photo 8A
Inclined Crack on Wall No. 3 of Open Sky, Ground Floor
Approx. Width = 1.5mm, Approx. Length = 0.9m.
Distance from Wall no.8 = 0.05m, Height from Floor = 0m.



Photo 9
Inclined Crack on Wall No. 3 of Hall No. 1, Second Floor
Approx. Width = 8mm, Approx. Length = 1.6m.
Distance from Wall no.2 = 0.7m, Height from Floor = 1m.



Photo 9A
Inclined Crack on Wall No. 3 of Hall No. 1, Second Floor
Approx. Width = 8mm, Approx. Length = 1.6m.
Distance from Wall no.2 = 0.7m, Height from Floor = 1m.



Photo 10
Inclined Crack on Wall No. 2 of Open Area, Third Floor
Approx. Width = 2.5mm, Approx. Length = 1.2m.
Distance from Wall No.4 = 3.5m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 10A

Inclined Crack on Wall No. 2 of Open Area, Third Floor
Approx. Width = 2.5mm, Approx. Length = 1.2m.
Distance from Wall No.4 = 3.5m, Height from Floor = 0m.



Photo 11

Peeling of Plaster on Wall No. 1 of Passage of Ground Floor



Photo 12

Dampness/Seepage on Wall No. 4 of Passage of Ground Floor



Photo 13

Peeling of Plaster on Wall No. 3 of open sky of Ground Floor



Photo 14

Damaged Portion on Wall No. 4 & 2 of Bathroom No. of Ground Floor



Photo 15

Peeling of Plaster on Wall No. 1 of Hall No. 1 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 16

Dampness/Seepage on Wall No. 1 of open sky of Ground Floor



Photo 17

Dampness/Seepage on Wall No. 5 & 6 of open sky of Ground Floor



Photo 18

Dampness/Seepage on Wall No. 4 of Hall No. 1 of First Floor



Photo 19

Dampness/Seepage on Wall No. 4 of Staircase FF to SF of First Floor



Photo 20

Dampness/Seepage on Wall No. 2 of Staircase FF to SF of First Floor



Photo 21

Peeling of Plaster on Roof of Hall No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 22

Dampness/Seepage on Wall No. 4 of Hall No. 1 of Second Floor



Photo 23

Dampness/Seepage on Wall No. 3 of Hall No. 1 of Second Floor



Photo 24

Dampness/Seepage on Wall No. 2 & 4 of Staircase SF to TF of Second Floor



Photo 25

Dampness/Seepage on Roof of Staircase SF to TF of Second Floor



Photo 26

Steps of Staircase FF to SF of Second Floor



Photo 27

Dampness/Seepage on Wall No. 1 of Hall No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 28

Dampness/Seepage on Wall No. 4 & Roof of Hall No. 1 of Third Floor



Photo 29

Peeling of Plaster on Floor of Open Area of Third Floor



Photo 30

Peeling of Plaster on Floor of Terrace



Photo 31

Damaged Portion on Backside Outer Wall of Building of Ground Floor



Photo 32

Room No. 1 of First Floor Locked



Photo 33

Shop No.1 of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34
Shop No.2 of Ground Floor Locked



Photo 35
R.M.Cloth of Ground Floor Locked



Photo 36
Wall No. 1 & 4 of New Matching Center of Ground Floor Covered With Material



Photo 37
Wall No. 2 & 4 of New Matching Center of Ground Floor Covered With Material

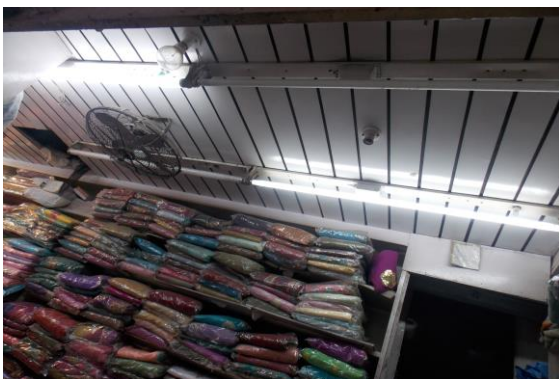


Photo 38
Roof of New Matching Center of Ground Floor Covered with Wooden

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 1-4
Ramganj Bazaar
Jaipur
Unique ID: BC RA DN 0056

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0056/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Single Story Load Bearing Structure . The structure was constructed in year 1850 and is 163 years old.

There are 7 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/50056/1			
BC-RA-DL/50056/2			
BC-RA-DL/50056/3			
BC-RA-DL/50056/4			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 1-4
2	Building Address	Shop No. 1-4 Ramganj Bazaar Jaipur
3	Year of Construction	1850
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	163 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Wall No. 3 Shop No.1 Ground Floor	Peeling of Plaster	9
2	Wall No. 3 & Roof Shop No.1 Ground Floor	Damaged Portion	10
3	Roof Shop No.1 Ground Floor	Plaster Crack	11
4	Wall No. 3 & Sunshade Shop No.1 Ground Floor	Damaged Portion	12
5	Wall No. 3 & Sunshade Shop No.1 Ground Floor	Peeling of Plaster	13
6	Wall No. 3 Shop No.1 Ground Floor	Peeling of Plaster	14
7	Wall No. 2 Shop No.3 Ground Floor	Peeling of Plaster	15

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2 & 4 Shop No.1 Ground Floor	Covered with material	16
2	Wall No. 1 & 4 Shop No.1 Ground Floor	Covered with material	17
3	Wall No. 2 & 4 Shop No.4 Part A Ground Floor	Covered with material	18
4	Wall No. 1 Shop No.4 Part A Ground Floor	Covered with material	19

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of Shop No.1



Photo 2
Front View of Shop No.2, Ground Floor



Photo 3
Tin shade, Shop No. 2, Ground Floor



Photo 4
General View Shop No.2, Ground Floor



Photo 5
Front View of Shop No.3, Ground Floor



Photo 6
Tin shade, Shop No. 3, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Front View of Shop No.4, Ground Floor



Photo 8
Shop No.4 Part B, Ground Floor



Photo 9
Peeling of Plaster on Wall No. 3 of Shop No.1 of Ground Floor



Photo 10
Damaged Portion on Wall No. 3 & Roof of Shop No.1 of Ground Floor



Photo 11
Plaster Crack on Roof of Shop No.1 of Ground Floor



Photo 12
Damaged Portion on Wall No. 3 & Sunshade of Shop No.1 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Peeling of Plaster on Wall No. 3 & Sunshade of Shop No.1 of Ground Floor



Photo 14

Peeling of Plaster on Wall No. 3 of Shop No.1 of Ground Floor



Photo 15

Peeling of Plaster on Wall No. 2 of Shop No.3 of Ground Floor



Photo 16

Wall No. 2 & 4 of Shop No.1 of Ground Floor Covered with material



Photo 17

Wall No. 1 & 4 of Shop No.1 of Ground Floor Covered with material



Photo 18

Wall No. 2 & 4 of Shop No.4 Part A of Ground Floor Covered with material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Wall No. 1 of Shop No.4 Part A of Ground Floor Covered with material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 69-70 and House above
69-70, Ramganj Market
Jaipur
Unique ID: BC RA DN 0059

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0059/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1913 and is 100 years old.

There are 27 defects in the structure out of which 14 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	12	85.71%
Slight (1 to 5mm)	2	14.29%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.5mm and average length of cracks is 1.58m. The maximum crack width is 1mm and minimum width is 0.2mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0059/69	Fakir Mohammad Lungi Corner		
BC-RA-DL/0059/70	Day Cam Industries		
BC-RA-DL/59/FF-TF	House above		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 69-70 and House above
2	Building Address	Shop No. 69-70 and House above 69-70, Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	Two Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 Hall No. 1 First Floor	Inclined	0.5	2	Very Slight	5
2	Roof Varanda Ground Floor	Horizontal	0.2	2.5	Very Slight	6
3	Parapet Wall Varanda External Façade	Inclined	1	1	Slight	7
4	Beam External Varanda Ground Floor	Inclined	0.35	0.6	Very Slight	8, 8A
5	Right side Wall Building First Floor	Vertical	1	1	Slight	9
6	Sun Shade Building Second Floor	Horizontal	0.8	1.1	Very Slight	10
7	Roof Varanda Ground Floor	Inclined	0.5	2	Very Slight	11
8	Wall No. 1 Shop No.70 Ground Floor	Inclined	0.5	2.3	Very Slight	12, 12A
9	Wall No. 1 Shop No.70 Ground Floor	Vertical	0.4	1.1	Very Slight	13, 13A
10	Wall No. 1 Shop No.70 Ground Floor	Inclined	0.35	2	Very Slight	14
11	Wall No. 4 Shop No.70 Ground Floor	Inclined	0.5	1.5	Very Slight	15
12	Roof Shop No.70 Ground Floor	Horizontal	0.2	1	Very Slight	16
13	Wall No. 2 Shop No.70 Ground Floor	Vertical	0.3	1.5	Very Slight	17
14	Roof Shop No.70 Ground Floor	Horizontal	0.4	2.5	Very Slight	18

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
15	Wall No. 3 Hall No. 1 First Floor	Dampness/Seepage	19
16	Wall No. 1 & 4 Hall No. 1 First Floor	Dampness/Seepage	20
17	Wall No. 1, 2, 3 & Roof Staircase GF to FF	Dampness/Seepage	21
18	Roof Varanda Ground Floor	Dampness/Seepage	22
19	Sun Shade Building Ground Floor	Peeling of Plaster	23
20	Backside Wall Building First Floor	Peeling of Plaster	24
21	Backside Wall Building Ground Floor	Damaged Portion	25
22	Roof Varanda of Shop No.69 Ground Floor	Dampness/Seepage	26
23	Varanda of Shop No.69 Ground Floor	Peeling of Plaster	27
24	Roof Varanda of Shop No.70 Ground Floor	Dampness/Seepage	28
25	Roof Varanda of Shop No.70 Ground Floor	Peeling of Plaster	29
26	Wall No. 2 Shop No.70 Ground Floor	Peeling of Plaster	30
27	Wall No. 2 Shop No.70 Ground Floor	Peeling of Plaster	31

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Toilet & Bathroom First Floor	Covered with Tiles	32
2	Building First Floor	Second Floor & Third Floor Locked	33
3	All Walls Shop No.69 Ground Floor	Covered With Material	34
4	Roof Shop No.69 Ground Floor	Covered With Wooden Work	35

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of Building above Shop No.69 & 70



Photo 2

View of Building Backside, Ground Floor



Photo 3

View of Shop No.69, Ground Floor



Photo 4

View of Shop No.70, Ground Floor



Photo 5

Inclined Crack on Wall No. 1 of Hall No. 1, First Floor
Approx. Width = 0.5mm, Approx. Length = 2m.

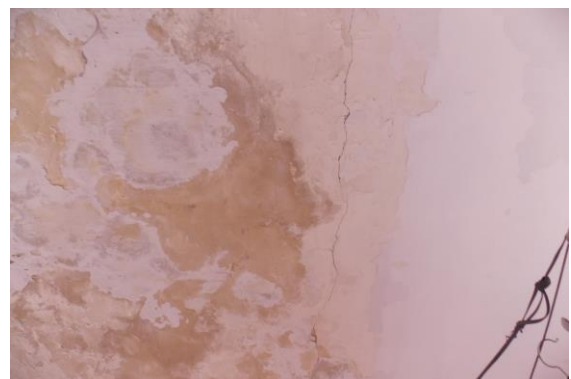


Photo 6

Horizontal Crack on Roof of Varanda, Ground Floor
Approx. Width = 0.2mm, Approx. Length = 2.5m.
Distance from Leftside External Column = 0m, Height from Floor = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Parapet Wall of Varanda, External Façade
Approx. Width = 1mm, Approx. Length = 1m.



Photo 8

Inclined Crack on Beam External of Varanda, Ground Floor
Approx. Width = 0.35mm, Approx. Length = 0.6m.
Distance from Backside of Leftside External Column = 0.25m, Height from Floor = 2.5m



Photo 8A

Inclined Crack on Beam External of Varanda, Ground Floor
Approx. Width = 0.35mm, Approx. Length = 0.6m.
Distance from Backside of Leftside External Column = 0.25m, Height from Floor = 2.5m



Photo 9

Vertical Crack on Wall No. Right side Wall of Building, First Floor
Approx. Width = 1mm, Approx. Length = 1m.
Distance from Backside Wall = 1.5m, Height from Floor = 4.3m.



Photo 10

Horizontal Crack on Sun Shade of Building, Second Floor
Approx. Width = 0.8mm, Approx. Length = 1.1m.
Distance from Backside Wall = 2.5m, Height from Floor = 10m.



Photo 11

Inclined Crack on Roof of Varanda, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12

Inclined Crack on Wall No. 1 of Shop No.70, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 2.3m.
Distance from Wall No.3 = 2m, Height from Floor = 0.1m.



Photo 12A

Inclined Crack on Wall No. 1 of Shop No.70, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 2.3m.
Distance from Wall No.3 = 2m, Height from Floor = 0.1m.



Photo 13

Vertical Crack on Wall No. 1 of Shop No.70, Ground Floor
Approx. Width = 0.4mm, Approx. Length = 1.1m.
Distance from Wall No.3 = 2m, Height from Floor = 1.5m.



Photo 13A

Vertical Crack on Wall No. 1 of Shop No.70, Ground Floor
Approx. Width = 0.4mm, Approx. Length = 1.1m.
Distance from Wall No.3 = 2m, Height from Floor = 1.5m.



Photo 14

Inclined Crack on Wall No. 1 of Shop No.70, Ground Floor
Approx. Width = 0.35mm, Approx. Length = 2m.
Distance from Wall No.3 = 3m, Height from Floor = 2m.



Photo 15

Inclined Crack on Wall No. 4 of Shop No.70, Ground Floor
Approx. Width = 0.5mm, Approx. Length = 1.5m.
Distance from Wall No.2 = 0m, Height from Floor = 2.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

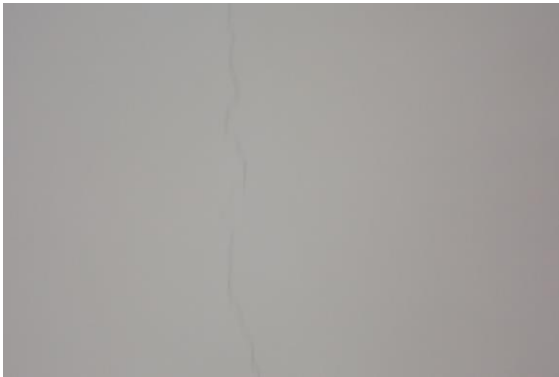


Photo 16

Horizontal Crack on Roof of Shop No.70, Ground Floor
Approx. Width = 0.2mm, Approx. Length = 1m.
Distance from Wall No.2 = 1.5m, Height from Floor = 4m.



Photo 17

Vertical Crack on Wall No. 2 of Shop No.70, Ground Floor
Approx. Width = 0.3mm, Approx. Length = 1.5m.
Distance from Wall No.4 = 1.6m, Height from Floor = 2.5m.

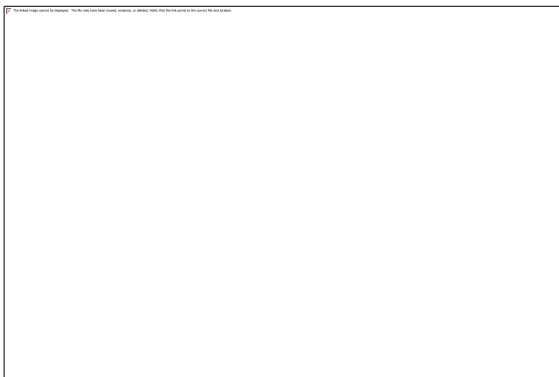


Photo 18

Horizontal Crack on Roof of Shop No.70, Ground Floor
Approx. Width = 0.4mm, Approx. Length = 2.5m.
Distance from Wall No.2 = 0m, Height from Floor = 3.1m.



Photo 19

Dampness/Seepage on Wall No. 3 of Hall No. 1 of First Floor



Photo 20

Dampness/Seepage on Wall No. 1 & 4 of Hall No. 1 of First Floor



Photo 21

Dampness/Seepage on Wall No. 1, 2, 3 & Roof of Staircase GF to FF

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 22
Dampness/Seepage on Roof of Varanda of Ground Floor



Photo 23
Peeling of Plaster on Sun Shade of Building of Ground Floor



Photo 24
Peeling of Plaster on Backside Wall of Building of First Floor



Photo 25
Damaged Portion on Backside Wall of Building of Ground Floor



Photo 26
Dampness/Seepage on Roof of Varanda of Shop No.69 of Ground Floor

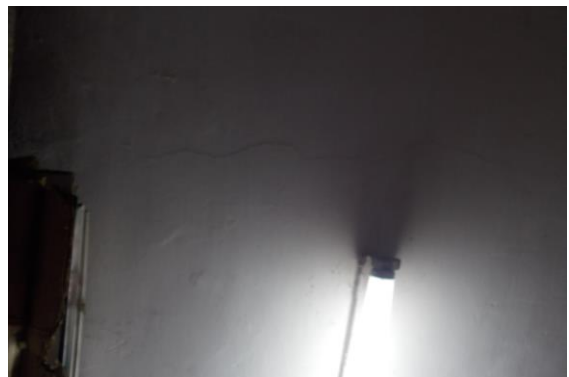


Photo 27
Peeling of Plaster on Varanda of Shop No.69 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 28

Dampness/Seepage on Roof of Varanda of Shop No.70 of Ground Floor



Photo 29

Peeling of Plaster on Roof of Varanda of Shop No.70 of Ground Floor



Photo 30

Peeling of Plaster on Wall No. 2 of Shop No.70 of Ground Floor



Photo 31

Peeling of Plaster on Wall No. 2 of Shop No.70 of Ground Floor

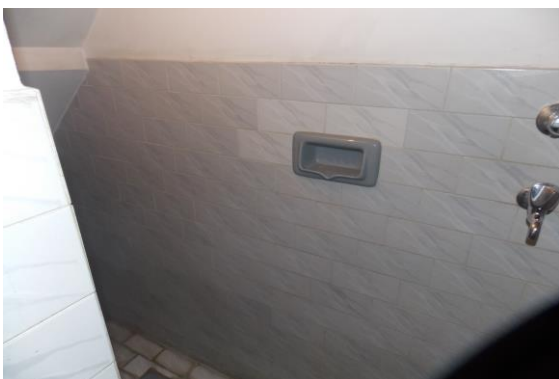


Photo 32

All Walls of Toilet & Bathroom of First Floor Covered with Tiles

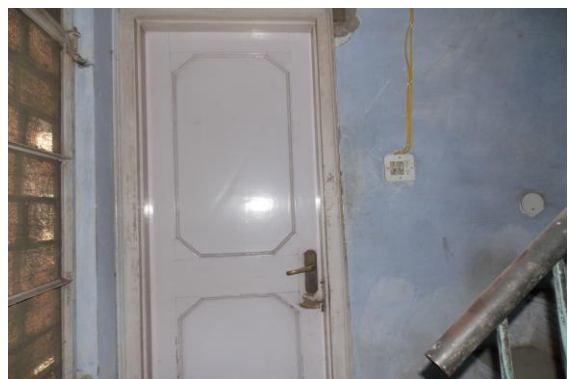


Photo 33

Building of First Floor Second Floor & Third Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 34

All Walls of Shop No.69 of Ground Floor Covered With Material



Photo 35

Roof of Shop No.69 of Ground Floor Covered With Wooden Work

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 71
71, Ramganj Market
Jaipur
Unique ID: BC RA DN 0060

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0060/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Abdul Raseed
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	25/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1913 and is 100 years old.

There are 1 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0060/71	Abdul Rashid & Co.		
BC-RA-DL/0060/FF-TF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 71
2	Building Address	Shop No. 71 71, Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Varanda of Shop No.71 Ground Floor	Peeling of Plaster	3

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 & 4 Shop No.71 Ground Floor	Covered With material	4
2	Wall No. 2 & 4 Shop No.71 Ground Floor	Covered With material	5
3	Roof Shop No.71 Ground Floor	Covered With Falls Ceiling	6
4	Floor above	Locked	7

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building



Photo 2
View of Shop No.71, Ground Floor



Photo 3
Peeling of Plaster on Roof of Varanda of Shop No.71 of Ground Floor



Photo 4
Wall No. 1 & 4 of Shop No.71 of Ground Floor Covered With material



Photo 5
Wall No. 2 & 4 of Shop No.71 of Ground Floor Covered With material

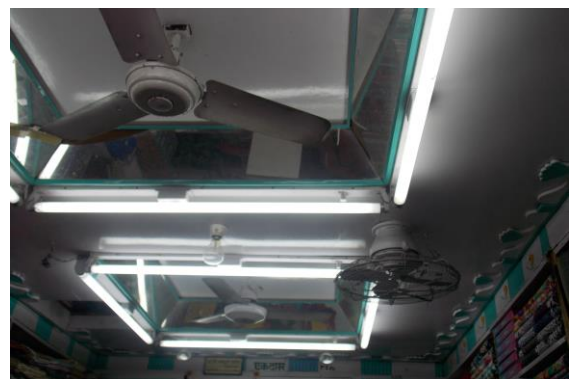


Photo 6
Roof of Shop No.71 of Ground Floor Covered With Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Floor above of Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 72 & House above
72, Ramganj Market
Jaipur
Unique ID: BC RA DN 0061

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0061/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1913 and is 100 years old.

There are 24 defects in the structure out of which 8 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	7	87.50%
Slight (1 to 5mm)	1	12.50%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.69mm and average length of cracks is 1.96m. The maximum crack width is 4mm and minimum width is 0.1mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0061/72	National Silk Store		
BC-RA-DL/0061/FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 72 & House above
2	Building Address	Shop No. 72 & House above 72, Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Room No. 1 First Floor	Inclined	0.1	2	Very Slight	3
2	Roof Room No. 1 First Floor	Horizontal	0.35	2.7	Very Slight	4
3	Wall No. 2 Room No. 1 First Floor	Inclined	0.3	2	Very Slight	5
4	Wall No. 4 Room No. 2 First Floor	Inclined	0.1	3	Very Slight	6
5	Wall No. 3 Room No. 1 First Floor	Inclined	0.5	0	Very Slight	7, 7A
6	Roof Staircase FF to SF	Inclined	0.1	2	Very Slight	8
7	Wall No. 1 Room No. 1 Second Floor	Inclined	0.1	2	Very Slight	9
8	Wall No. 1 Staircase GF to FF	Inclined	4	2	Slight	10

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
9	Wall No. 3 Room No. 1 First Floor	Dampness/Seepage	11
10	Wall No. 1 Room No. 2 First Floor	Dampness/Seepage	12
11	Steps Staircase FF to SF	Damaged Portion	13
12	Wall No. 2 Staircase FF to SF	Damaged Portion	14
13	Wall No. 2 Staircase FF to SF	Dampness/Seepage	15
14	Wall No. 3 Staircase FF to SF	Damaged Portion	16
15	Wall No. 1 Staircase FF to SF	Dampness/Seepage	17
16	Roof Room No. 1 Second Floor	Dampness/Seepage	18
17	Wall No. 4 Room No. 1 Second Floor	Dampness/Seepage	19
18	Wall No. 1 & Roof Staircase GF to FF	Peeling of Plaster	20
19	Wall No. 1 Staircase GF to FF	Peeling of Plaster	21
20	Roof Varanda Ground Floor	Peeling of Plaster	22
21	Frontwall of Building First Floor	Dampness/Seepage	23
22	Backside Wall Ground Floor	Damaged Portion	24
23	Backside Wall Second Floor	Damaged Portion	25
24	Roof Varanda of Shop No.72 Ground Floor	Peeling of Plaster	26

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls Toilet No. 1 Second Floor	Covered with Tiles	27
2	Wall No. 1, 2 & 4 Shop No.72 Ground Floor	Covered With material	28
3	Roof Shop No.72 Ground Floor	Covered With Falls Ceiling	29

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Building Above Shop No.72



Photo 2
View of Shop No.72, Ground Floor



Photo 3
Inclined Crack on Wall No. 4 of Room No. 1, First Floor
Approx. Width = 0.1mm, Approx. Length = 2m.



Photo 4
Horizontal Crack on Roof of Room No. 1, First Floor
Approx. Width = 0.35mm, Approx. Length = 2.7m.
Distance from Wall no.4 = 0.15m, Height from Floor = 2.5m.



Photo 5
Inclined Crack on Wall No. 2 of Room No. 1, First Floor
Approx. Width = 0.3mm, Approx. Length = 2m.



Photo 6
Inclined Crack on Wall No. 4 of Room No. 2, First Floor
Approx. Width = 0.1mm, Approx. Length = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Wall No. 3 of Room No. 1, First Floor
Approx. Width = 0.5mm, Approx. Length = 0m.
Distance from Wall No.1 = 0.45m, Height from Floor = 0.4m.



Photo 7A

Inclined Crack on Wall No. 3 of Room No. 1, First Floor
Approx. Width = 0.5mm, Approx. Length = 0m.
Distance from Wall No.1 = 0.45m, Height from Floor = 0.4m.



Photo 8

Inclined Crack on Roof of Staircase FF to SF
Approx. Width = 0.1mm, Approx. Length = 2m.



Photo 9

Inclined Crack on Wall No. 1 of Room No. 1, Second Floor
Approx. Width = 0.1mm, Approx. Length = 2m.

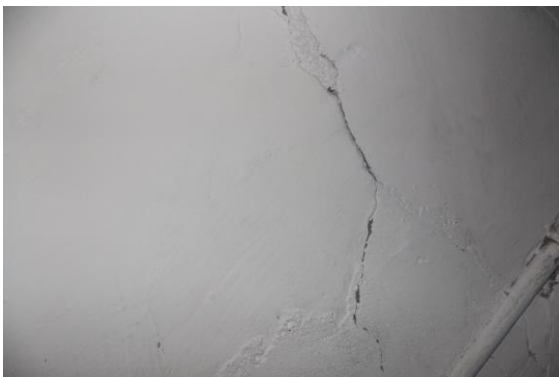


Photo 10

Inclined Crack on Wall No. 1 of Staircase GF to FF
Approx. Width = 4mm, Approx. Length = 2m.



Photo 11

Dampness/Seepage on Wall No. 3 of Room No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12
Dampness/Seepage on Wall No. 1 of Room No. 2 of First Floor



Photo 13
Damaged Portion on Wall No. Steps of Staircase FF to SF



Photo 14
Damaged Portion on Wall No. 2 of Staircase FF to SF



Photo 15
Dampness/Seepage on Wall No. 2 of Staircase FF to SF



Photo 16
Damaged Portion on Wall No. 3 of Staircase FF to SF

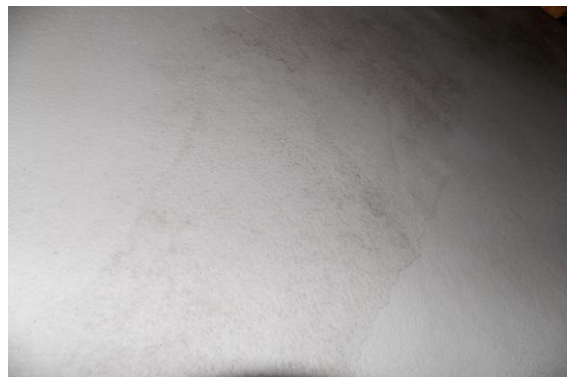


Photo 17
Dampness/Seepage on Wall No. 1 of Staircase FF to SF

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 18
Dampness/Seepage on Roof of Room No. 1 of Second Floor



Photo 19
Dampness/Seepage on Wall No. 4 of Room No. 1 of Second Floor



Photo 20
Peeling of Plaster on Wall No. 1 & Roof of Staircase GF to FF

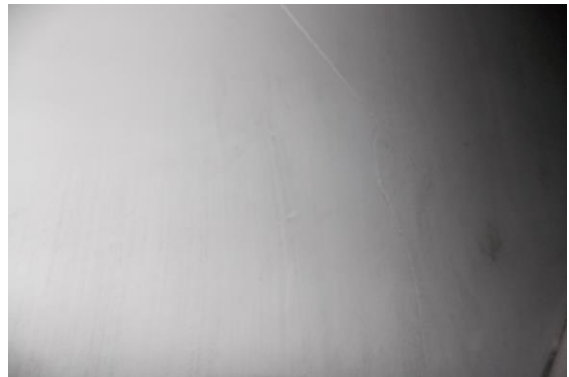


Photo 21
Peeling of Plaster on Wall No. 1 of Staircase GF to FF



Photo 22
Peeling of Plaster on Roof of Varanda of Ground Floor



Photo 23
Dampness/Seepage on Frontwall of Building of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 24
Damaged Portion on Backside Wall of Ground Floor



Photo 25
Damaged Portion on Backside Wall of Second Floor



Photo 26
Peeling of Plaster on Roof of Varanda of Shop No.72 of Ground Floor



Photo 27
All Walls of Toilet No. 1 of Second Floor Covered with Tiles



Photo 28
Wall No. 1, 2 & 4 of Shop No.72 of Ground Floor Covered With material



Photo 29
Roof of Shop No.72 of Ground Floor Covered With Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 690 & Shop No. 73
73, Ramganj Market
Jaipur
Unique ID: BC RA DN 0062

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0062/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1913 and is 100 years old.

There are 13 defects in the structure out of which 4 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	3	75%
Slight (1 to 5mm)	1	25%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.39mm and average length of cracks is 2.38m. The maximum crack width is 1mm and minimum width is 0.1mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0062/73	Farid Fashion		
BC-RA-DL/0062/FF-TF	House No. 690		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 690 & Shop No. 73
2	Building Address	House No. 690 & Shop No. 73 73, Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2, 4 & joint Crack Store Second Floor	Inclined	1	2	Slight	3
2	Wall No. 1 Staircase FF to SF	Inclined	0.1	2	Very Slight	4
3	Steps Staircase TF to Terrace	Inclined	0.2	3	Very Slight	5
4	Roof Varanda of Shop No.73 Ground Floor	Horizontal	0.25	2.5	Very Slight	6

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
5	Wall No. 1 Staircase GF to FF	Damaged Portion	7
6	Wall No. 1 Staircase GF to FF	Peeling of Plaster	8
7	Wall No. 1 Toilet No. 1 First Floor	Dampness/Seepage	9
8	Wall No. 1 & 4 Toilet No. 1 First Floor	Dampness/Seepage	10
9	Wall No. 3 & Roof Room No. 1 Second Floor	Dampness/Seepage	11
10	Wall No. 2, 3 & Roof Room No. 1 Second Floor	Dampness/Seepage	12
11	Wall No. 1 Staircase FF to SF	Peeling of Plaster	13
12	Wall No. 4 Room No. 2 Third Floor	Peeling of Plaster	14
13	Roof Varanda of Shop No.73 Ground Floor	Peeling of Plaster	15

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 4 Room No. 1 First Floor	Covered with wooden Racks	16
2	Wall No. 4, 3 & Roof House No.690 Second Floor	Covered with wooden work & Falls Ceiling	17
3	All Walls Room No. 1 Third Floor		18
4	Wall No. 1, 2 & 4 Shop No.73 Ground Floor	Covered With material	19
5	Roof Shop No.73 Ground Floor	Covered With Falls Ceiling	20

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of House No.690



Photo 2
View of Shop No.73, Ground Floor



Photo 3
Inclined Crack on Wall No. 2, 4 & joint Crack of Store , Second Floor
Approx. Width = 1mm, Approx. Length = 2m.



Photo 4
Inclined Crack on Wall No. 1 of Staircase FF to SF



Photo 5
Inclined Crack on Steps of Staircase TF to Terrace
Approx. Width = 0.2mm, Approx. Length = 3m.



Photo 6
Horizontal Crack on Roof of Varanda of Shop No.73, Ground Floor
Approx. Width = 0.25mm, Approx. Length = 2.5m.
Height from Floor = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Damaged Portion on Wall No. 1 of Staircase GF to FF



Photo 8
Peeling of Plaster on Wall No. 1 of Staircase GF to FF



Photo 9
Dampness/Seepage on Wall No. 1 of Toilet No. 1 of First Floor



Photo 10
Dampness/Seepage on Wall No. 1 & 4 of Toilet No. 1 of First Floor



Photo 11
Dampness/Seepage on Wall No. 3 & Roof of Room No. 1 of Second Floor



Photo 12
Dampness/Seepage on Wall No. 2, 3 & Roof of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

Peeling of Plaster on Wall No. 1 of Staircase FF to SF



Photo 14

Peeling of Plaster on Wall No. 4 of Room No. 2 of Third Floor



Photo 15

Peeling of Plaster on Roof of Varanda of Shop No.73 of Ground Floor



Photo 16

Wall No. 4 of Room No. 1 of First Floor Covered with wooden Racks



Photo 17

Wall No. 4, 3 & Roof of House No.690 of Second Floor Covered with wooden work & Falls Ceiling



Photo 18

All Walls of Room No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Wall No. 1, 2 & 4 of Shop No.73 of Ground Floor Covered With material



Photo 20

Roof of Shop No.73 of Ground Floor Covered With Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 74 & house above
74, Ramganj Market
Jaipur
Unique ID: BC RA DN 0063

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0063/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1913 and is 100 years old.

There are 25 defects in the structure out of which 7 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	5	71.43%
Slight (1 to 5mm)	2	28.57%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.63mm and average length of cracks is 1.56m. The maximum crack width is 1.2mm and minimum width is 0.25mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0063/74	Nayab Fashion		
BC-RA-DL/0063/FF-SF			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultants JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 74 & house above
2	Building Address	Shop No. 74 & house above 74, Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 Staircase SF to TF Second Floor	Inclined	0.25	2	Very Slight	4, 4A
2	Wall No. 4 Room No. 1 Above Shop No. 74, Third Floor	Inclined	0.6	1	Very Slight	5, 5A
3	Wall No. 4 Open Area Third Floor	Inclined	1.2	1.5	Slight	6, 6A
4	Wall No. 4 Open Area Third Floor	Inclined	0.6	1.5	Very Slight	7, 7A
5	Wall No. 1 Room No. 2 First Floor	Inclined	0.25	1.5	Very Slight	8, 8A
6	External Beam Varanda Above Shop No. 74, Ground Floor	Inclined	0.5	1.7	Very Slight	9
7	Wall No. External Beam Varanda Above Shop No. 74, Ground Floor	Inclined	1	1.7	Slight	10

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
8	Roof Room No. 1 Above Shop No. 74, Second Floor	Peeling of Plaster	11
9	Wall No. 2 Room No. 1 Above Shop No. 74, Second Floor	Peeling of Plaster	12
10	Wall No. 4 Lobby Second Floor	Dampness/Seepage	13
11	Wall No. 2 Lobby Second Floor	Peeling of Plaster	14
12	Wall No. 2 Staircase SF to TF Second Floor	Dampness/Seepage	15
13	Roof Staircase SF to TF Second Floor	Dampness/Seepage	16
14	Wall No. 4 Room No. 1 Above Shop No. 74, Third Floor	Peeling of Plaster	17
15	Roof Room No. 1 Above Shop No. 74, Third Floor	Dampness/Seepage	18
16	Wall No. 3 Room No. 1 Above Shop No. 74, Third Floor	Peeling of Plaster	19
17	Wall No. 2 Room No. 1 Above Shop No. 74, Third Floor	Dampness/Seepage	20
18	Steps Staircase area Third Floor	Peeling of Plaster	21
19	Roof Toilet No. 1 Above Shop No. 74, First Floor	Peeling of Plaster	22
20	Wall No. 1 Toilet No. 1 Above Shop No. 74, First Floor	Dampness/Seepage	23
21	Wall No. 2 Toilet No. 1 Above Shop No. 74, First Floor	Peeling of Plaster	24
22	Roof Sun Shade Above Shop No. 74 First Floor	Dampness/Seepage	25
23	External Beam Varanda Above Shop No. 74, Ground Floor	Peeling of Plaster	26
24	Roof Varanda Above Shop No. 74, Ground Floor	Dampness/Seepage	27
25	Roof Varanda Above Shop No. 74, Ground Floor	Peeling of Plaster	28

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1, 2 & 4 Shop No.74 Ground Floor	Covered With material	29
2	Roof Shop No.74 Ground Floor	Covered With Wooden Ceiling	30

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2

View of Shop No.74, Ground Floor



Photo 3
, First Floor



Photo 4

Inclined Crack on Wall No. 1 of Staircase SF to TF, Second Floor,
Approx. Width = 0.25mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 4A

Inclined Crack on Wall No. 1 of Staircase SF to TF, Second Floor
Approx. Width = 0.25mm, Approx. Length = 2m.
Distance from = m, Height from Floor = m.



Photo 5

Inclined Crack on Wall No. 4 of Room No. 1, Above Shop No. 74, Third Floor, Approx. Width = 0.6mm, Approx. Length = 1m. Distance from = 0.7m, Height from Floor = 0.6m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 5A

Inclined Crack on Wall No. 4 of Room No. 1, Above Shop No. 74, Third Floor, Approx. Width = 0.6mm, Approx. Length = 1m.
Distance from = 0.7m, Height from Floor = 0.6m.



Photo 6

Inclined Crack on Wall No. 4 of Open Area, Third Floor, Approx. Width = 1.2mm, Approx. Length = 1.5m.
Distance from = 1.6m, Height from Floor = 0m.



Photo 6A

Inclined Crack on Wall No. 4 of Open Area, Third Floor, Approx. Width = 1.2mm, Approx. Length = 1.5m.
Distance from = 1.6m, Height from Floor = 0m.



Photo 7

Inclined Crack on Wall No. 4 of Open Area, Third Floor, Approx. Width = 0.6mm, Approx. Length = 1.5m.
Distance from Wall No. 1 = 0.7m, Height from Floor = 0m.



Photo 7A

Inclined Crack on Wall No. 4 of Open Area, Third Floor, Approx. Width = 0.6mm, Approx. Length = 1.5m.
Distance from Wall No. 1 = 0.7m, Height from Floor = 0m.



Photo 8

Inclined Crack on Wall No. 1 of Room No. 2, First Floor, Approx. Width = 0.25mm, Approx. Length = 1.5m.
Distance from = 0.3m, Height from Floor = 0.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 8A

Inclined Crack on Wall No. 1 of Room No. 2, First Floor, Approx. Width = 0.25mm, Approx. Length = 1.5m.
Distance from = 0.3m, Height from Floor = 0.5m.



Photo 9

Inclined Crack on External Beam of Varanda, Above Shop No. 74, Ground Floor, Approx. Width = 0.5mm, Approx. Length = 1.7m., Distance from = Right side External Column, Height from Floor = 2.3m.



Photo 10

Inclined Crack on External Beam of Varanda, Above Shop No. 74, Ground Floor, Approx. Width = 1mm, Approx. Length = 1.7m., Distance from = Right side External Column, Height from Floor = 2.3m.



Photo 11

Peeling of Plaster on Roof of Room No. 1 of Above Shop No. 74, Second Floor



Photo 12

Peeling of Plaster on Wall No. 2 of Room No. 1 of Above Shop No. 74, Second Floor



Photo 13

Dampness/Seepage on Wall No. 4 of Lobby of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 14
Peeling of Plaster on Wall No. 2 of Lobby of Second Floor



Photo 15
Dampness/Seepage on Wall No. 2 of Staircase SF to TF of Second Floor



Photo 16
Dampness/Seepage on Roof of Staircase SF to TF of Second Floor



Photo 17
Peeling of Plaster on Wall No. 4 of Room No. 1 of Above Shop No. 74, Third Floor



Photo 18
Dampness/Seepage on Roof of Room No. 1 of Above Shop No. 74, Third Floor



Photo 19
Peeling of Plaster on Wall No. 3 of Room No. 1 of Above Shop No. 74, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 20

Dampness/Seepage on Wall No. 2 of Room No. 1 of Above Shop No. 74, Third Floor



Photo 21

Peeling of Plaster on Steps of Staircase area of Third Floor



Photo 22

Peeling of Plaster on Roof of Toilet No. 1 of Above Shop No. 74, First Floor



Photo 23

Dampness/Seepage on Wall No. 1 of Toilet No. 1 of Above Shop No. 74, First Floor



Photo 24

Peeling of Plaster on Wall No. 2 of Toilet No. 1 of Above Shop No. 74, First Floor



Photo 25

Dampness/Seepage on Roof Sun Shade of Above Shop No. 74 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 26

Peeling of Plaster on External Beam of Varanda of Above Shop No. 74, Ground Floor



Photo 27

Dampness/Seepage on Roof of Varanda of Above Shop No. 74, Ground Floor



Photo 28

Peeling of Plaster on Roof of Varanda of Above Shop No. 74, Ground Floor

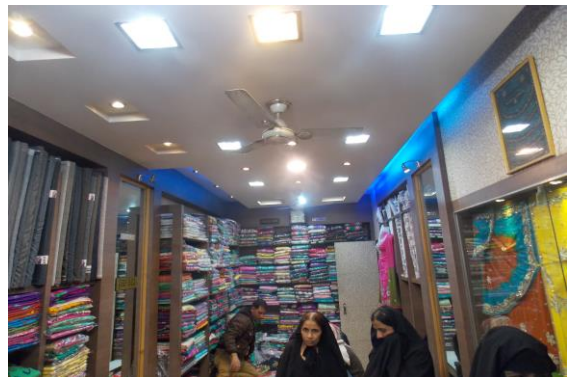


Photo 29

Wall No. 1, 2 & 4 of Shop No.74 of Ground Floor Covered With material



Photo 30

Roof of Shop No.74 of Ground Floor Covered With Wooden Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line



House No. 686
75 - 76, Ramganj Market
Jaipur
Unique ID: BC RA dn 0064

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0064/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1993 and is 20 years old.

There are 63 defects in the structure out of which 8 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category IV (Severe)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	12.50%
Slight (1 to 5mm)	4	50%
Moderate (5 to 15mm)	1	12.50%
Severe (15 to 25mm)	2	25%
Very Severe (>25mm)	0	0%

The average width of cracks is 6.67mm and average length of cracks is 1.69m. The maximum crack width is 20mm and minimum width is 0.35mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0064/75	National Chundri House		
BC-RA-DL/0064/76	Janta Cloth Store		
BC-RA-DL/0064/FF-SF	H.No. 686		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 686
2	Building Address	House No. 686 75 - 76, Ramganj Market Jaipur
3	Year of Construction	1993
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial + Residential
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	20 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Staircase GF to FF	Inclined	20	1	Severe	4
2	Wall No. 4 Staircase GF to FF	Vertical	2.5	0.5	Slight	5
3	Wall No. 2 & 3 Open area Third Floor	Vertical	20	2.5	Severe	6, 6A
4	Open area Third Floor	Vertical	2.5	2	Slight	7, 7A
5	Floor Open area Third Floor	Inclined	2	2	Slight	8
6	Outside Wall External Façade	Inclined	5	1	Moderate	9
7	Outside Wall External Façade	Inclined	1	3	Slight	10
8	Leftside External Column Varanda of Shop No.76 Ground Floor	Inclined	0.35	1.5	Very Slight	11

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
9	Wall No. 1 Staircase GF to FF	Damaged Portion	12
10	Wall No. 2 Staircase GF to FF	Damaged Portion	13
11	Wall No. Steps Staircase GF to FF	Damaged Portion	14
12	Wall No. 1 Room No. 1 First Floor	Peeling of Plaster	15
13	Wall No. 4 Room No. 1 First Floor	Peeling of Plaster	16
14	Wall No. 3 Room No. 1 First Floor	Peeling of Plaster	17
15	Roof Room No. 1 First Floor	Damaged Portion	18
16	Wall No. 1 Room No. 2 First Floor	Peeling of Plaster	19
17	Wall No. 4 Room No. 2 First Floor	Damaged Portion	20
18	Roof Room No. 2 First Floor	Damaged Portion	21
19	Wall No. 3 Lobby First Floor	Peeling of Plaster	22
20	Wall No. 1 Lobby First Floor	Peeling of Plaster	23
21	Roof Lobby First Floor	Peeling of Plaster	24
22	Wall No. 4 Lobby First Floor	Peeling of Plaster	25
23	Wall No. 4 Passage First Floor	Peeling of Plaster	26
24	Wall No. 2 Passage First Floor	Peeling of Plaster	27
25	Wall No. 1, 4 & Roof Kitchen First Floor	Peeling of Plaster	28
26	Floor Lobby First Floor	Peeling of Plaster	29
27	Wall No. 4 Room No. 2 Second Floor	Peeling of Plaster	30
28	Roof Room No. 2 Second Floor	Damaged Portion	31
29	Roof Room No. 2 Second Floor	Peeling of Plaster	32
30	Roof Room No. 4 Second Floor	Peeling of Plaster	33
31	Wall No. 1 Room No. 4 Second Floor	Peeling of Plaster	34
32	Wall No. 1 & 4 Room No. 4 Second Floor	Peeling of Plaster	35
33	Roof Room No. 4 Second Floor	Peeling of Plaster	36
34	Wall No. 3 Room No. 4 Second Floor	Peeling of Plaster	37
35	Roof Room No. 3 Second Floor	Peeling of Plaster	38
36	Wall No. 4 Open Area Second Floor	Dampness/Seepage	39
37	Wall No. 1, 3 & Roof Open Area Second Floor	Dampness/Seepage	40
38	Wall No. 4 & Roof Kitchen Second Floor	Dampness/Seepage	41
39	Roof Room No. 1 Third Floor	Peeling of Plaster	42

40	Wall No. 4 Kitchen Third Floor	Peeling of Plaster	43
41	Roof Kitchen Third Floor	Damaged Portion	44
42	Wall No. 2 & Roof Kitchen Third Floor	Dampness/Seepage	45
43	Wall No. 2 Kitchen Third Floor	Peeling of Plaster	46
44	Wall No. 1 Open area Third Floor	Damaged Portion	47
45	Wall No. 1 Open area Third Floor	Damaged Portion	48
46	Wall No. 3 Open area Third Floor	Damaged Portion	49
47	Wall No. 3 Open area Third Floor	Damaged Portion	50
48	Wall No. 4 Open area Third Floor	Damaged Portion	51
49	Wall No. 2 Open area Third Floor	Damaged Portion	52
50	Staircase TF to Terrace	Peeling of Plaster	53
51	Outerwall Sun Shade Second Floor	Damaged Portion	54
52	Outerwall Sun Shade Second Floor	Damaged Portion	55
53	Outside Wall External Façade	Peeling of Plaster	57
54	Outside Wall External Façade	Damaged Portion	58
55	Outside Wall External Façade	Damaged Portion	59
56	Chajja External Façade	Damaged Portion	60
57	Roof Varanda of Shop No.75 Ground Floor	Peeling of Plaster	61
58	Beam Varanda of Shop No.75 Ground Floor	Dampness/Seepage	62
59	Wall No. 4 Part A of Shop No.76 Ground Floor	Peeling of Plaster	63
60	Wall No. 4 Part A of Shop No.76 Ground Floor	Peeling of Plaster	64
61	Leftside External Column Varanda of Shop No.76 Ground Floor	Peeling of Plaster	65
62	Roof Varanda of Shop No.76 Ground Floor	Peeling of Plaster	66

Summary of Areas that Could not be Surveyed

Serial No.	Location	Description	Photo No.
1	Wall No. 2 House No.686 First Floor	Covered with Material	67
2	Room No. 1 Second Floor	Locked	68
3	Wall No. 1 Shop No.75 Ground Floor	Covered With Material	69
4	Wall No. 4 Shop No.75 Ground Floor	Wooden Partition	70
5	Wall No. 2 Shop No.75 Ground Floor	Covered With Material	71
6	Roof Shop No.75 Ground Floor	Covered With Wooden Ceiling	72
7	Wall No. 1 Part A of Shop No.76 Ground Floor	Covered With Material	73
8	Wall No. 2 Part A of Shop No.76 Ground Floor	Covered With Material	74
9	Roof Part A of Shop No.76 Ground Floor	Covered With Wooden Ceiling	75
10	All Walls Part B of Shop No.76 Ground Floor	Covered With Material	76
11	All Walls Part C of Shop No.76 Ground Floor	Covered With Material	77

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Backside of Building



Photo 2
View of Shop No.75, Ground Floor



Photo 3
View of Shop No.76, Ground Floor



Photo 4
Inclined Crack on Roof of Staircase GF to FF
Approx. Width = 20mm, Approx. Length = 1m.



Photo 5
Vertical Crack on Wall No. 4 of Staircase GF to FF
Approx. Width = 2.5mm, Approx. Length = 0.5m.



Photo 6
Vertical Crack on Wall No. 2 & 3 of Open area, Third Floor
Approx. Width = 20mm, Approx. Length = 2.5m.
Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6A

Vertical Crack on Wall No. 2 & 3 of Open area, Third Floor
Approx. Width = 20mm, Approx. Length = 2.5m.
Height from Floor = 0m.



Photo 7

Vertical Crack on Open area, Third Floor
Approx. Width = 2.5mm, Approx. Length = 2m.
Distance from Wall no.2 = 1.7m, Height from Floor = 0.4m.



Photo 7A

Vertical Crack on Open area, Third Floor
Approx. Width = 2.5mm, Approx. Length = 2m.
Distance from Wall no.2 = 1.7m, Height from Floor = 0.4m.



Photo 8

Inclined Crack on Floor of Open area, Third Floor
Approx. Width = 2mm, Approx. Length = 2m.



Photo 9

Inclined Crack on Outside Wall of External Façade,
Approx. Width = 5mm, Approx. Length = 1m.



Photo 10

Inclined Crack on Outside Wall of External Façade,
Approx. Width = 1mm, Approx. Length = 3m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Leftside External Column of Varanda of Shop No.76,
Ground Floor
Approx. Width = 0.35mm, Approx. Length = 1.5m.
Distance from Leftside External Column = Racksidem Height from Floor



Photo 12

Damaged Portion on Wall No. 1 of Staircase GF to FF



Photo 13

Damaged Portion on Wall No. 2 of Staircase GF to FF



Photo 14

Damaged Portion on Steps of Staircase GF to FF



Photo 15

Peeling of Plaster on Wall No. 1 of Room No. 1 of First Floor



Photo 16

Peeling of Plaster on Wall No. 4 of Room No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

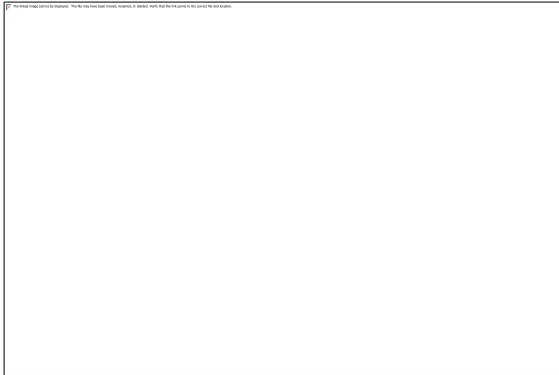


Photo 17

Peeling of Plaster on Wall No. 3 of Room No. 1 of First Floor

Photo 18

Damaged Portion on Roof of Room No. 1 of First Floor



Photo 19

Peeling of Plaster on Wall No. 1 of Room No. 2 of First Floor

Photo 20

Damaged Portion on Wall No. 4 of Room No. 2 of First Floor



Photo 21

Damaged Portion on Roof of Room No. 2 of First Floor

Photo 22

Peeling of Plaster on Wall No. 3 of Lobby of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 23
Peeling of Plaster on Wall No. 1 of Lobby of First Floor



Photo 24
Peeling of Plaster on Roof of Lobby of First Floor



Photo 25
Peeling of Plaster on Wall No. 4 of Lobby of First Floor



Photo 26
Peeling of Plaster on Wall No. 4 of Passage of First Floor



Photo 27
Peeling of Plaster on Wall No. 2 of Passage of First Floor



Photo 28
Peeling of Plaster on Wall No. 1, 4 & Roof of Kitchen of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29
Peeling of Plaster on Floor of Lobby of First Floor



Photo 30
Peeling of Plaster on Wall No. 4 of Room No. 2 of Second Floor



Photo 31
Damaged Portion on Roof of Room No. 2 of Second Floor



Photo 32
Peeling of Plaster on Roof of Room No. 2 of Second Floor



Photo 33
Peeling of Plaster on Roof of Room No. 4 of Second Floor



Photo 34
Peeling of Plaster on Wall No. 1 of Room No. 4 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line



Photo 35

Peeling of Plaster on Wall No. 1 & 4 of Room No. 4 of Second Floor



Photo 36

Peeling of Plaster on Wall No. Roof of Room No. 4 of Second Floor



Photo 37

Peeling of Plaster on Wall No. 3 of Room No. 4 of Second Floor



Photo 38

Peeling of Plaster on Roof of Room No. 3 of Second Floor



Photo 39

Dampness/Seepage on Wall No. 4 of Open Area of Second Floor



Photo 40

Dampness/Seepage on Wall No. 1, 3 & Roof of Open Area of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 41

Dampness/Seepage on Wall No. 4 & Roof of Kitchen of Second Floor

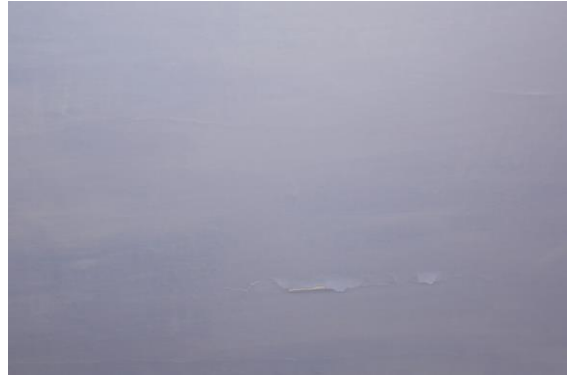


Photo 42

Peeling of Plaster on Roof of Room No. 1 of Third Floor



Photo 43

Peeling of Plaster on Wall No. 4 of Kitchen of Third Floor



Photo 44

Damaged Portion on Roof of Kitchen of Third Floor



Photo 45

Dampness/Seepage on Wall No. 2 & Roof of Kitchen of Third Floor



Photo 46

Peeling of Plaster on Wall No. 2 of Kitchen of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 47

Damaged Portion on Wall No. 1 of Open area of Third Floor



Photo 48

Damaged Portion on Wall No. 1 of Open area of Third Floor



Photo 49

Damaged Portion on Wall No. 3 of Open area of Third Floor



Photo 50

Damaged Portion on Wall No. 3 of Open area of Third Floor



Photo 51

Damaged Portion on Wall No. 4 of Open area of Third Floor



Photo 52

Damaged Portion on Wall No. 2 of Open area of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 53
Peeling of Plaster on Staircase TF to Terrace



Photo 54
Damaged Portion on Outerwall Sun Shade of Second Floor



Photo 55
Damaged Portion on Outerwall Sun Shade of Second Floor



Photo 56
Peeling of Plaster



Photo 57
Peeling of Plaster on Outside Wall of External Façade



Photo 58
Damaged Portion on Outside Wall of External Façade

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 59
Damaged Portion on Outside Wall of External Façade



Photo 60
Damaged Portion on Chajja of External Façade



Photo 61
Peeling of Plaster on Roof of Varanda of Shop No.75 of Ground Floor



Photo 62
Dampness/Seepage on Beam of Varanda of Shop No.75 of Ground Floor



Photo 63
Peeling of Plaster on Wall No. 4 of Part A of Shop No.76 of Ground Floor



Photo 64
Peeling of Plaster on Wall No. 4 of Part A of Shop No.76 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 65

Peeling of Plaster on Leftside External Column of Varanda of Shop No.76 of Ground Floor



Photo 66

Peeling of Plaster on Roof of Varanda of Shop No.76 of Ground Floor



Photo 67

Wall No. 2 of House No.686 of First Floor Covered with Material



Photo 68

Room No. 1 of Second Floor Locked



Photo 69

Wall No. 1 of Shop No.75 of Ground Floor Covered With Material



Photo 70

Wall No. 4 of Shop No.75 of Ground Floor Wooden Partition

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line



Photo 71

Wall No. 2 of Shop No.75 of Ground Floor Covered With Material



Photo 72

Roof of Shop No.75 of Ground Floor Covered With Wooden Ceiling



Photo 73

Wall No. 1 of Part A of Shop No.76 of Ground Floor Covered With Material

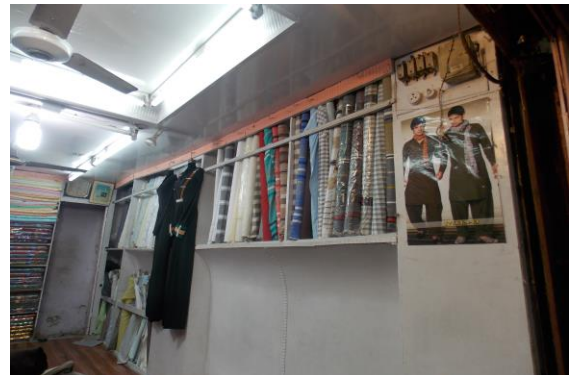


Photo 74

Wall No. 2 of Part A of Shop No.76 of Ground Floor Covered With Material



Photo 75

Roof of Part A of Shop No.76 of Ground Floor Covered With Wooden Ceiling



Photo 76

All Walls of Part B of Shop No.76 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 77

All Walls of Part C of Shop No.76 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 690, Shop No. 77 & 78
77 - 78, Ramganj Market
Jaipur
Unique ID: BC RA dn 0065

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0065/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1913 and is 100 years old.

There are 25 defects in the structure out of which 9 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	8	88.89%
Slight (1 to 5mm)	1	11.11%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.38mm and average length of cracks is 1.89m. The maximum crack width is 1mm and minimum width is 0.1mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0065/77	Jaipur Work Store		
BC-RA-DL/0065/78	N.S. Store & Co.		
BC-RA-DL/0065/FF-SF-TF	H.No. 690		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 690, Shop No. 77 & 78
2	Building Address	House No. 690, Shop No. 77 & 78 77 - 78, Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial + Residential
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 Room No. 1 First Floor	Inclined	0.3	2	Very Slight	4
2	Wall No. 2 Room No. 2 First Floor	Inclined	0.1	3	Very Slight	5
3	Wall No. 1 Room No. 1 Second Floor	Inclined	0.3	2	Very Slight	6
4	Wall No. 1 Room No. 1 Second Floor	Inclined	0.15	1.5	Very Slight	7, 7A
5	Wall No. 1 Staircase GF to FF	Inclined	1	1.5	Slight	8, 8A
6	Roof Varanda Ground Floor	Horizontal	0.3	2.5	Very Slight	9
7	Internal Beam Varanda Ground Floor	Inclined	0.6	1.2	Very Slight	10
8	Rightside External Column Varanda of Shop No.78 Ground Floor	Inclined	0.4	1.3	Very Slight	11
9	Roof Varanda of Shop No.78 Ground Floor	Horizontal	0.25	2	Very Slight	12

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
10	Wall No. 4 Room No. 1 First Floor	Dampness/Seepage	13
11	Wall No. 4 Room No. 2 First Floor	Dampness/Seepage	14
12	Wall No. 4 & 5 Room No. 2 First Floor	Dampness/Seepage	15
13	Wall No. 1 Staircase FF to SF	Dampness/Seepage	16
14	Wall No. 4 Staircase FF to SF	Dampness/Seepage	17
15	Wall No. 2 & 4 Toilet No. 1 Second Floor	Dampness/Seepage	18
16	Roof Staircase Area Second Floor	Peeling of Plaster	19
17	Wall No. 4 Room No. 1 Second Floor	Dampness/Seepage	20
18	Wall No. 4 & 1 Room No. 1 Third Floor	Dampness/Seepage	21
19	Wall No. 2 Staircase SF to TF	Dampness/Seepage	22
20	Wall No. 3 Staircase GF to FF	Peeling of Plaster	23
21	Steps Staircase GF to FF	Damaged Portion	24
22	Wall No. 1 Staircase GF to FF	Damaged Portion	25
23	Beam Varanda Ground Floor	Damaged Portion	26
24	Roof Varanda of Shop No.77 Ground Floor	Peeling of Plaster	27
25	Roof Varanda of Shop No.77 Ground Floor	Peeling of Plaster	28

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1, 2, 4 & Roof Shop No.77 Ground Floor	Covered With Material	29
2	Wall No. 1, 2, 4 & Roof Shop No.78 Ground Floor	Covered With Material	30

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of House No.690 Above Shop No.77 & 78



Photo 2

View of Shop No.77, Ground Floor



Photo 3

View of Shop No.78, Ground Floor



Photo 4

Inclined Crack on Wall No. 1 of Room No. 1, First Floor
Approx. Width = 0.3mm, Approx. Length = 2m.



Photo 5

Inclined Crack on Wall No. 2 of Room No. 2, First Floor
Approx. Width = 0.1mm, Approx. Length = 3m.



Photo 6

Inclined Crack on Wall No. 1 of Room No. 1, Second Floor
Approx. Width = 0.3mm, Approx. Length = 2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Wall No. 1 of Room No. 1, Second Floor
Approx. Width = 0.15mm, Approx. Length = 1.5m.
Distance from Wall no.4 = 0.2m, Height from Floor = 0m.

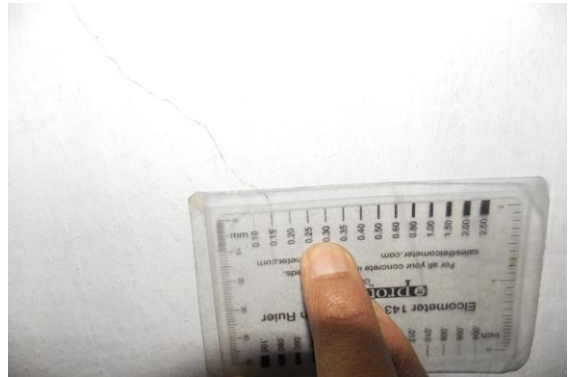


Photo 7A

Inclined Crack on Wall No. 1 of Room No. 1, Second Floor
Approx. Width = 0.15mm, Approx. Length = 1.5m.
Distance from Wall no.4 = 0.2m, Height from Floor = 0m.



Photo 8

Inclined Crack on Wall No. 1 of Staircase GF to FF
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall no.3 = 0.3m, Height from Floor = 0.05m.



Photo 8A

Inclined Crack on Wall No. 1 of Staircase GF to FF
Approx. Width = 1mm, Approx. Length = 1.5m.
Distance from Wall no.3 = 0.3m, Height from Floor = 0.05m.



Photo 9

Horizontal Crack on Roof of Varanda, Ground Floor
Approx. Width = 0.3mm, Approx. Length = 2.5m.
Distance from leftside external Column = 0m, Height from Floor = 3.5m.



Photo 10

Inclined Crack on Internal Beam of Varanda, Ground Floor
Approx. Width = 0.6mm, Approx. Length = 1.2m.
Distance from leftside external Column = 0m, Height from Floor = 2.5m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Rightside External Column of Varanda of Shop No.78, Ground Floor

Approx. Width = 0.4mm, Approx. Length = 1.3m.

Distance from Rightside external Column = 0m Height from Floor =



Photo 12

Horizontal Crack on Roof of Varanda of Shop No.78, Ground Floor

Approx. Width = 0.25mm, Approx. Length = 2m.

Height from Floor = 3m.



Photo 13

Dampness/Seepage on Wall No. 4 of Room No. 1 of First Floor



Photo 14

Dampness/Seepage on Wall No. 4 of Room No. 2 of First Floor



Photo 15

Dampness/Seepage on Wall No. 4 & 5 of Room No. 2 of First Floor



Photo 16

Dampness/Seepage on Wall No. 1 of Staircase FF to SF

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 17
Dampness/Seepage on Wall No. 4 of Staircase FF to SF



Photo 18
Dampness/Seepage on Wall No. 2 & 4 of Toilet No. 1 of Second Floor



Photo 19
Peeling of Plaster on Roof of Staircase Area of Second Floor



Photo 20
Dampness/Seepage on Wall No. 4 of Room No. 1 of Second Floor



Photo 21
Dampness/Seepage on Wall No. 4 & 1 of Room No. 1 of Third Floor



Photo 22
Dampness/Seepage on Wall No. 2 of Staircase SF to TF

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 23
Peeling of Plaster on Wall No. 3 of Staircase GF to FF



Photo 24
Damaged Portion on Steps of Staircase GF to FF



Photo 25
Damaged Portion on Wall No. 1 of Staircase GF to FF



Photo 26
Damaged Portion on Beam of Varanda of Ground Floor



Photo 27
Peeling of Plaster on Roof of Varanda of Shop No.77 of Ground Floor



Photo 28
Peeling of Plaster on Roof of Varanda of Shop No.77 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 29

Wall No. 1, 2, 4 & Roof of Shop No.77 of Ground Floor Covered With Material



Photo 30

Wall No. 1, 2, 4 & Roof of Shop No.78 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 642, Shop No. 79 & 80
80, Ramganj Market
Jaipur
Unique ID: BC RA DN 0066

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0066/01, Rev. 00, Dated: December 2013

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1913 and is 100 years old.

There are 47 defects in the structure out of which 13 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	7	53.85%
Slight (1 to 5mm)	5	38.46%
Moderate (5 to 15mm)	1	7.69%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.47mm and average length of cracks is 1.35m. The maximum crack width is 5mm and minimum width is 0.25mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0066/79	Delhi Lungi Store		
BC-RA-DL/0066/80	Giff & General Store		
BC-RA-DL/0066/FF-SF	H.No. 642		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 642, Shop No. 79 & 80
2	Building Address	House No. 642, Shop No. 79 & 80 80, Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Beam Varanda of Shop Ground Floor	Inclined	0.3	1	Very Slight	3
2	Floor Shop No.79 Ground Floor	Inclined	2	1	Slight	4
3	Roof Varanda of Shop Ground Floor	Horizontal	0.8	2.5	Very Slight	5
4	Wall No. 1 Staircase GF to FF First Floor	Inclined	5	1	Moderate	6
5	Roof Room No. 2 First Floor	Inclined	1	1	Slight	7
6	Wall No. 2 Toilet No. 1 First Floor	Inclined	2	2	Slight	8
7	Wall No. 3 Room No. 1 Second Floor	Inclined	0.25	0.4	Very Slight	9, 9A
8	Wall No. 3 & Roof H.No.642 Second Floor	Inclined	2.5	3.3	Slight	10, 10A
9	Wall No. 3 Room No. 2 Second Floor	Inclined	0.5	1	Very Slight	11
10	Wall No. 4 Room No. 2 Second Floor	Inclined	0.3	1	Very Slight	12
11	Roof Room No. 2 Second Floor	Horizontal	0.6	1.3	Very Slight	13
12	Wall No. 3 Room No. 2 Second Floor	Inclined	0.4	1	Very Slight	14, 14A
13	Boundary Wall Terrace	Inclined	3.5	1	Slight	15

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
14	Roof Varanda of Shop Ground Floor	Dampness/Seepage	16
15	Roof Varanda of Shop Ground Floor	Peeling of Plaster	17
16	Roof Varanda of Shop Ground Floor	Damaged Portion	18
17	Wall No. 2 Staircase GF to FF First Floor	Peeling of Plaster	19
18	Wall No. 1 Staircase GF to FF First Floor	Damaged Portion	20
19	Roof Room No. 1 First Floor	Peeling of Plaster	21
20	Wall No. 1 Room No. 1 First Floor	Damaged Portion	22
21	Wall No. 3 Room No. 1 First Floor	Damaged Portion	23
22	Wall No. 4 Room No. 2 First Floor	Peeling of Plaster	24
23	Roof Room No. 2 First Floor	Peeling of Plaster	25
24	Wall No. 2 Room No. 2 First Floor	Peeling of Plaster	26
25	Wall No. 3 Room No. 2 First Floor	Peeling of Plaster	27
26	Wall No. 4 Store First Floor	Damaged Portion	28
27	Wall No. 1 Store First Floor	Damaged Portion	29
28	Wall No. 2 Store First Floor	Damaged Portion	30
29	Roof Store First Floor	Peeling of Plaster	31
30	Wall No. 2 Toilet No. 1 First Floor	Peeling of Plaster	32
31	Roof Toilet No. 1 First Floor	Peeling of Plaster	33
32	Roof Lobby First Floor	Peeling of Plaster	34
33	Wall No. 1 Staircase FF to SF First Floor	Peeling of Plaster	35
34	Roof Staircase FF to SF	Peeling of Plaster	36
35	Wall No. 2 Staircase FF to SF	Peeling of Plaster	37
36	Wall No. 4 & Roof Room No. 1 Second Floor	Dampness/Seepage	38
37	Wall No. 3 Room No. 1 Second Floor	Dampness/Seepage	39
38	Roof Balcony Second Floor	Peeling of Plaster	40

39	Roof Balcony Second Floor	Peeling of Plaster	41
40	Roof Balcony Second Floor	Peeling of Plaster	42
41	Wall No. 4 Balcony Second Floor	Peeling of Plaster	43
42	Wall No. 4 Balcony Second Floor	Peeling of Plaster	44
43	Wall No. 3 Balcony Second Floor	Peeling of Plaster	45
44	Wall No. 2 & 3 Room No. 2 Second Floor	Dampness/Seepage	46
45	Roof Room No. 3 Second Floor	Peeling of Plaster	47
46	Frontside Wall Sun shade First Floor	Peeling of Plaster	48
47	Frontside Wall Second Floor	Peeling of Plaster	49

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Shop No.79 Ground Floor	Covered with Material	50
2	Wall No. 4 Shop No.79 Ground Floor	Covered with Material	51
3	Wall No. 2 Shop No.79 Ground Floor	Covered with Material	52
4	Roof Shop No.79 Ground Floor	Covered with Wooden Ceiling	53
5	All Walls Shop No.80 Ground Floor	Covered with Material	54



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of Shop No.79 Dilli Lungi Store



Photo 2

View of Shop No.80 Gift & General Store, Ground Floor



Photo 3

Inclined Crack on Beam of Varanda of Shop, Ground Floor
Approx. Width = 0.3mm, Approx. Length = 1m.
Distance from = m, Height from Floor = m.



Photo 4

Inclined Crack on Floor of Shop No.79, Ground Floor
Approx. Width = 2mm, Approx. Length = 1m.



Photo 5

Horizontal Crack on Roof of Varanda of Shop, Ground Floor
Approx. Width = 0.8mm, Approx. Length = 2.5m.
Distance from = Backside Rightside External Column, Height from Floor = 3m.



Photo 6

Inclined Crack on Wall No. 1 of Staircase GF to FF
Approx. Width = 5mm, Approx. Length = 1m

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

Inclined Crack on Roof of Room No. 2, First Floor
Approx. Width = 1mm, Approx. Length = 1m.
Distance from Wall No.4 = 1.3m, Height from Floor = 2.2m.



Photo 8

Inclined Crack on Wall No. 2 of Toilet No. 1, First Floor
Approx. Width = 2mm, Approx. Length = 2m.



Photo 9

Inclined Crack on Wall No. 3 of Room No. 1, Second Floor
Approx. Width = 0.25mm, Approx. Length = 0.4m.
Distance from Wall no.2 = 0.6m, Height from Floor = 1.9m.



Photo 9A

Inclined Crack on Wall No. 3 of Room No. 1, Second Floor
Approx. Width = 0.25mm, Approx. Length = 0.4m.
Distance from Wall no.2 = 0.6m, Height from Floor = 1.9m.



Photo 10

Inclined Crack on Wall No. 3 & Roof of H.No.642, Second Floor
Approx. Width = 2.5mm, Approx. Length = 3.3m.
Distance from Wall no.1 = 2.6m, Height from Floor = 0m.



Photo 10A

Inclined Crack on Wall No. 3 & Roof of H.No.642, Second Floor
Approx. Width = 2.5mm, Approx. Length = 3.3m.
Distance from Wall no.1 = 2.6m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 11

Inclined Crack on Wall No. 3 of Room No. 2, Second Floor
Approx. Width = 0.5mm, Approx. Length = 1m.



Photo 12

Inclined Crack on Wall No. 4 of Room No. 2, Second Floor
Approx. Width = 0.3mm, Approx. Length = 1m.



Photo 13

Horizontal Crack on Roof of Room No. 2, Second Floor
Approx. Width = 0.6mm, Approx. Length = 1.3m.
Distance from Wall no.4 = 1.5m, Height from Floor = 3m.



Photo 14

Inclined Crack on Wall No. 3 of Room No. 2, Second Floor
Approx. Width = 0.4mm, Approx. Length = 1m.
Distance from Wall no.2 = 1.3m, Height from Floor = 0m.



Photo 14A

Inclined Crack on Wall No. 3 of Room No. 2, Second Floor
Approx. Width = 0.4mm, Approx. Length = 1m.
Distance from Wall no.2 = 1.3m, Height from Floor = 0m.



Photo 15

Inclined Crack on Wall No. Boundary Wall of Terrace
Approx. Width = 3.5mm, Approx. Length = 1m.
Distance from Right side External Column = 2.5m, Height from Floor = 10m

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 16
Dampness/Seepage on Roof of Varanda of Shop of Ground Floor



Photo 17
Peeling of Plaster on Roof of Varanda of Shop of Ground Floor



Photo 18
Damaged Portion on Roof of Varanda of Shop of Ground Floor



Photo 19
Peeling of Plaster on Wall No. 2 of Staircase GF to FF



Photo 20
Damaged Portion on Wall No. 1 of Staircase GF to FF



Photo 21
Peeling of Plaster on Roof of Room No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 22
Damaged Portion on Wall No. 1 of Room No. 1 of First Floor



Photo 23
Damaged Portion on Wall No. 3 of Room No. 1 of First Floor



Photo 24
Peeling of Plaster on Wall No. 4 of Room No. 2 of First Floor



Photo 25
Peeling of Plaster on Roof of Room No. 2 of First Floor



Photo 26
Peeling of Plaster on Wall No. 2 of Room No. 2 of First Floor



Photo 27
Peeling of Plaster on Wall No. 3 of Room No. 2 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 28
Damaged Portion on Wall No. 4 of Store of First Floor



Photo 29
Damaged Portion on Wall No. 1 of Store of First Floor



Photo 30
Damaged Portion on Wall No. 2 of Store of First Floor



Photo 31
Peeling of Plaster on Roof of Store of First Floor



Photo 32
Peeling of Plaster on Wall No. 2 of Toilet No. 1 of First Floor



Photo 33
Peeling of Plaster on Roof of Toilet No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

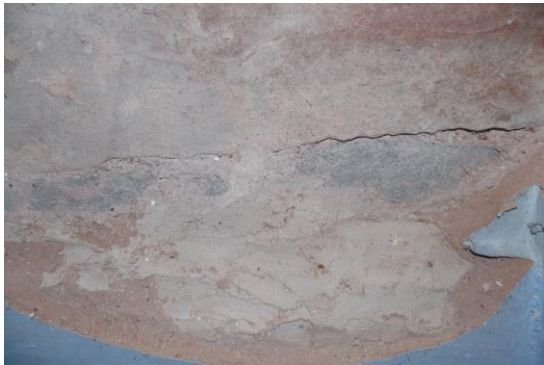


Photo 34
Peeling of Plaster on Roof of Lobby of First Floor



Photo 35
Peeling of Plaster on Wall No. 1 of Staircase FF to SF



Photo 36
Peeling of Plaster on Roof of Staircase FF to SF



Photo 37
Peeling of Plaster on Wall No. 2 of Staircase FF to SF



Photo 38
Dampness/Seepage on Wall No. 4 & Roof of Room No. 1 of Second Floor



Photo 39
Dampness/Seepage on Wall No. 3 of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 40
Peeling of Plaster on Roof of Balcony of Second Floor



Photo 41
Peeling of Plaster on Roof of Balcony of Second Floor

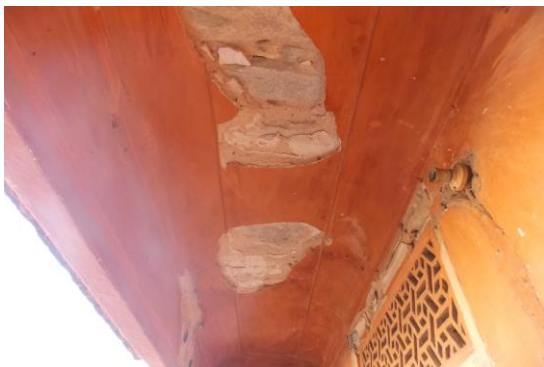


Photo 42
Peeling of Plaster on Roof of Balcony of Second Floor



Photo 43
Peeling of Plaster on Wall No. 4 of Balcony of Second Floor



Photo 44
Peeling of Plaster on Wall No. 4 of Balcony of Second Floor



Photo 45
Peeling of Plaster on Wall No. 3 of Balcony of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 46

Dampness/Seepage on Wall No. 2 & 3 of Room No. 2 of Second Floor



Photo 47

Peeling of Plaster on Roof of Room No. 3 of Second Floor



Photo 48

Peeling of Plaster on Frontside Wall Sun shade of First Floor



Photo 49

Peeling of Plaster on Frontside Wall of Second Floor



Photo 50

Wall No. 1 of Shop No.79 of Ground Floor Covered with Material



Photo 51

Wall No. 4 of Shop No.79 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line



Photo 52

Wall No. 2 of Shop No.79 of Ground Floor Covered with Material



Photo 53

Roof of Shop No.79 of Ground Floor Covered with Wooden Ceiling

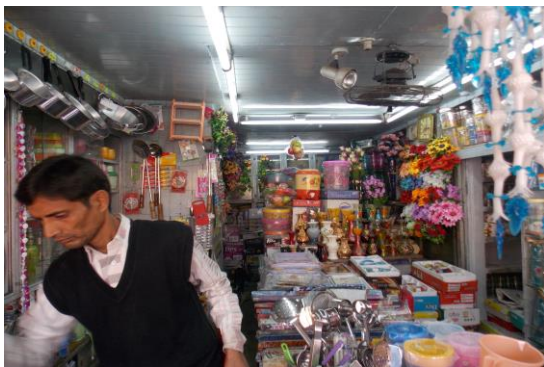


Photo 54

All Walls of Shop No.80 of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 678 & Shop No. 81
Ramganj Market
Jaipur
Unique ID: BC RA DN 0067

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0067/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	31/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 4 floors. The structure was constructed in year 1763 and is 250 years old.

There are 26 defects in the structure out of which 1 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.8mm and average length of cracks is 2m. The maximum crack width is 0.8mm and minimum width is 0.8mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0067/81	Kohinoor Collection		
BC-RA-DL/0067/FF-TF	House No. 678		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultants JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 678 & Shop No. 81
2	Building Address	House No. 678 & Shop No. 81 Ramganj Market Jaipur
3	Year of Construction	1763
4	Number of Floors	G+3
5	Number of Basements	None
6	Type of Building	Commercial + Residential
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	250 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	None
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 3 Room No. 1 First Floor	Horizontal	0.8	2	Very Slight	3, 3A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
2	Wall No. 3 Varandah Second Floor	Peeling of Plaster	4
3	Roof Room No. 1 Second Floor	Peeling of Plaster	5
4	Wall No. 2 Room No. 1 Second Floor	Peeling of Plaster	6
5	Wall No. 4 Toilet No. 1 Second Floor	Peeling of Plaster	7
6	Roof Store Third Floor	Dampness/Seepage	8
7	Wall No. 4 Third Floor	Peeling of Plaster	9
8	Wall No. 3 Third Floor	Peeling of Plaster	10
9	Wall No. 2 & 4 Room No. 1 Third Floor	Dampness/Seepage	11
10	Roof Varandah Third Floor	Dampness/Seepage	12
11	Stair Step SF to TF	Peeling of Plaster	13
12	Wall No. 2 Stair SF to TF	Damaged Portion	14
13	Wall No. 1, 2 & 3 Stair FF to SF	Dampness/Seepage	15
14	Wall No. 2 Passage Second Floor	Peeling of Plaster	16
15	Wall No. 4, 2 & Roof Toilet No. 1 First Floor	Dampness/Seepage	17
16	Roof Room No. 1 First Floor	Dampness/Seepage	18
17	Roof Room No. 1 First Floor	Peeling of Plaster	19
18	Roof Room No. 1 First Floor	Peeling of Plaster	20
19	Wall No. 4 Bathroom First Floor	Peeling of Plaster	21
20	Roof First Floor	Dampness/Seepage	22
21	Wall No. 1 Varandah First Floor	Peeling of Plaster	23
22	Wall No. 3 Stair GF to FF	Dampness/Seepage	24
23	Front Wall Third Floor	Peeling of Plaster	25
24	Front Wall Shed First Floor	Damaged Portion	26
25	Roof Varanda Ground Floor	Dampness/Seepage	27
26	External Beam Varanda Ground Floor	Peeling of Plaster	28

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2 Toilet No. 1 Second Floor	Covered with Tiles	29
2	Wall No. 1 Shop No.81 Ground Floor	Covered with Wooden Racks & Material	30
3	Wall No. 4 Shop No.81 Ground Floor	Covered with Wooden Racks & Material	31
4	Wall No. 2 Shop No.81 Ground Floor	Covered with Wooden Racks & Material	32
5	Roof Shop No.81 Ground Floor	Covered with wooden Ceiling	33

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2

View of Shop No.81 Kohinoor Collection, Ground Floor



Photo 3

Horizontal Crack on Wall No. 3 of Room No. 1, First Floor, Approx.
Width = 0.8mm, Approx. Length = 2m.
Distance from Wall No. 2 = 0m, Height from Floor = 1.7m.

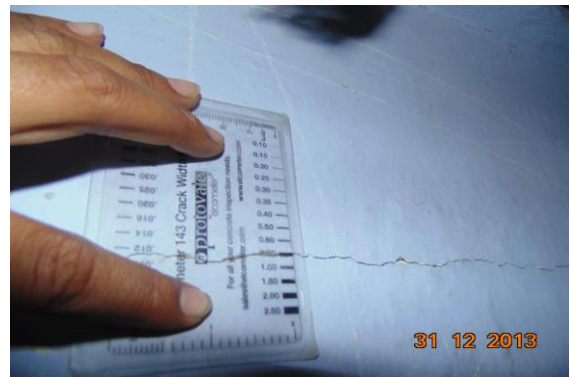


Photo 3A

Horizontal Crack on Wall No. 3 of Room No. 1, First Floor, Approx.
Width = 0.8mm, Approx. Length = 2m.
Distance from Wall No. 2 = 0m, Height from Floor = 1.7m.



Photo 4

Peeling of Plaster on Wall No. 3 of Varandah of Second Floor



Photo 5

Peeling of Plaster on Roof of Room No. 1 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6
Peeling of Plaster on Wall No. 2 of Room No. 1 of Second Floor



Photo 7
Peeling of Plaster on Wall No. 4 of Toilet No. 1 of Second Floor



Photo 8
Dampness/Seepage on Roof of Store of Third Floor



Photo 9
Peeling of Plaster on Wall No. 4 of Third Floor



Photo 10
Peeling of Plaster on Wall No. 3 of Third Floor



Photo 11
Dampness/Seepage on Wall No. 2 & 4 of Room No. 1 of Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12
Dampness/Seepage on Roof of Varandah of Third Floor



Photo 13
Peeling of Plaster on Stair Step SF to TF of



Photo 14
Damaged Portion on Wall No. 2 of Stair SF to TF



Photo 15
Dampness/Seepage on Wall No. 1, 2 & 3 of Stair FF to SF



Photo 16
Peeling of Plaster on Wall No. 2 of Passage of Second Floor



Photo 17
Dampness/Seepage on Wall No. 4, 2 & Roof of Toilet No. 1 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 18
Dampness/Seepage on Roof of Room No. 1 of First Floor



Photo 19
Peeling of Plaster on Roof of Room No. 1 of First Floor



Photo 20
Peeling of Plaster on Roof of Room No. 1 of First Floor



Photo 21
Peeling of Plaster on Wall No. 4 of Bathroom of First Floor



Photo 22
Dampness/Seepage on Roof of First Floor



Photo 23
Peeling of Plaster on Wall No. 1 of Varandah of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 24
Dampness/Seepage on Wall No. 3 of Stair GF to FF



Photo 25
Peeling of Plaster on Front Wall of Third Floor



Photo 26
Damaged Portion on Front Wall of Shed of First Floor



Photo 27
Dampness/Seepage on Roof of Varanda of Ground Floor



Photo 28
Peeling of Plaster on External Beam of Varanda of Ground Floor



Photo 29
Wall No. 2 of Toilet No. 1 of Second Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 30

Wall No. 1 of Shop No.81 of Ground Floor Covered with Wooden Racks & Material



Photo 31

Wall No. 4 of Shop No.81 of Ground Floor Covered with Wooden Racks & Material



Photo 32

Wall No. 2 of Shop No.81 of Ground Floor Covered with Wooden Racks & Material



Photo 33

Roof of Shop No.81 of Ground Floor Covered with wooden Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 82
Ramganj Market
Jaipur
Unique ID: BC RA DN 0068

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0068/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Mohammad Ramjan
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1913 and is 100 years old.

There are 1 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0068/82	Bharat Textiles		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultants JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 82
2	Building Address	Shop No. 82 Ramganj Market Jaipur
3	Year of Construction	1913
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Varanda Ground Floor	Peeling of Plaster	2

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Shop No.82 Ground Floor	Covered with Wooden Racks & Material	3
2	Wall No. 4 Shop No.82 Ground Floor	Covered with Wooden Racks & Material	4
3	Wall No. 2 Shop No.82 Ground Floor	Covered with Wooden Racks & Material	5
4	Roof Shop No.82 Ground Floor	Covered with wooden Ceiling	6

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of Shop no.82 Bharat Textiles



Photo 2
Peeling of Plaster on Roof of Varanda of Ground Floor



Photo 3
Wall No. 1 of Shop No.82 of Ground Floor Covered with Wooden Racks & Material



Photo 4
Wall No. 4 of Shop No.82 of Ground Floor Covered with Wooden Racks & Material



Photo 5
Wall No. 2 of Shop No.82 of Ground Floor Covered with Wooden Racks & Material



Photo 6
Roof of Shop No.82 of Ground Floor Covered with wooden Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



House No. 672 & Shop No. 84
Ramganj Market
Jaipur
Unique ID: BC RA DN 0070

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0070/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Mr. Abdul Karim
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1850 and is 163 years old.

There are 13 defects in the structure out of which 2 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.3mm and average length of cracks is 1.5m. The maximum crack width is 0.3mm and minimum width is 0.3mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0070/84	Hazi Abdul Shakoor & Sons		
BC-A-UDL0070/FF	House No. 672		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House No. 672 & Shop No. 84
2	Building Address	House No. 672 & Shop No. 84 Ramganj Market Jaipur
3	Year of Construction	1850
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	163 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2 Shop No. 84 Ground Floor	Inclined	0.3	2	Very Slight	4, 4A
2	Wall No. 4 Room No. 1 House No. 672, First Floor	Vertical	0.3	1	Very Slight	5

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
3	Beam Varanda of Shop No. 84 Ground Floor	Dampness/Seepage	6
4	Roof Varanda of Shop No. 84 Ground Floor	Peeling of Plaster	7
5	Varanda of Shop No. 84 Ground Floor	Damaged Portion	8
6	Wall No. 2 & Roof Shop No. 84 Ground Floor	Dampness/Seepage	9
7	Wall No. 2 Shop No. 84 Ground Floor	Peeling of Plaster	10
8	Wall No. 1 & 4 Shop No. 84 Ground Floor	Peeling of Plaster	11
9	Roof Staircase First Floor to Second Floor of House No. 672 First Floor	Dampness/Seepage	12
10	Wall No. 4 Toilet No. 1 House No. 672, Second Floor	Plaster Crack	13
11	Wall No. 3 Room No. 1 Teen Shade Room of House No. 672, Second Floor	Dampness/Seepage	14
12	Wall No. 1 Staircase Ground Floor to Second Floor of House No. 672 Second Floor	Plaster Crack	15
13	Staircase First Floor to Second Floor of House No. 672 First Floor	Peeling of Plaster	16

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Room No. 1 House No. 672, First Floor	Covered with Material	17

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of House No. 672



Photo 2
Front View of House No. 84, Ground Floor



Photo 3
Tin Shade Room of House No. 672, Second Floor



Photo 4
Inclined Crack on Wall No. 2 of Shop No. 84, Ground Floor
Approx. Width = 0.3mm, Approx. Length = 2m.
Distance from Wall No. 3 = 1.2m, Height from Floor = 0m.



Photo 4A
Inclined Crack on Wall No. 2 of Shop No. 84, Ground Floor
Approx. Width = 0.3mm, Approx. Length = 2m.
Distance from Wall No. 3 = 1.2m, Height from Floor = 0m.



Photo 5
Vertical Crack on Wall No. 4 of Room No. 1, House No. 672, First Floor
Approx. Width = 0.3mm, Approx. Length = 1m. Distance from Wall No. 1 = 0.3m, Height from Floor = 2m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 6

Dampness/Seepage on Beam of Varanda of Shop No. 84 of Ground Floor



Photo 7

Peeling of Plaster on Roof of Varanda of Shop No. 84 of Ground Floor



Photo 8

Damaged Portion on Varanda of Shop No. 84 of Ground Floor



Photo 9

Dampness/Seepage on Wall No. 2 & Roof of Shop No. 84 of Ground Floor



Photo 10

Peeling of Plaster on Wall No. 2 of Shop No. 84 of Ground Floor



Photo 11

Peeling of Plaster on Wall No. 1 & 4 of Shop No. 84 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 12

Dampness/Seepage on Roof of Staircase First Floor to Second Floor of House No. 672 of First Floor



Photo 13

Plaster Crack on Wall No. 4 of Toilet No. 1 of House No. 672, Second Floor



Photo 14

Dampness/Seepage on Wall No. 3 of Room No. 1 of Teen Shade Room of House No. 672, Second Floor



Photo 15

Plaster Crack on Wall No. 1 of Staircase Ground Floor to Second Floor of House No. 672 of Second Floor



Photo 16

Peeling of Plaster on of Staircase First Floor to Second Floor of House No. 672 of First Floor



Photo 17

Wall No. 1 of Room No. 1 of House No. 672, First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shops No. 85-100
Ramganj Market
Jaipur
Unique ID: BC RA DN 0071

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0071/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	31/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 2 floors. The structure was constructed in year 1850 and is 163 years old.

There are 48 defects in the structure out of which 3 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorized in Category II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	2	66.67%
Slight (1 to 5mm)	1	33.33%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.03mm and average length of cracks is 3.33m. The maximum crack width is 1.5mm and minimum width is 0.8mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0071/85	Nurani Textiles		
BC-RA-DL/0071/86	Gordhandas Khandelwal		
BC-RA-DL/0071/87	Sh. Navjeevan Harbal		
BC-RA-DL/0071/88	Sh. Navjeevan Rasayanshala		
BC-RA-DL/0071/90	Shobha Traders		
BC-RA-DL/0071/91	Shobha Traders		
BC-RA-DL/0071/92	Prem Traders		
BC-RA-DL/0071/93	Lovely Paints		
BC-RA-DL/0071/94	Sh. Ram Kirana Store		
BC-RA-DL/0071/95	Sh. Ram Kirana Store		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Choupar and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultants JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shops
2	Building Address	Shops Ramganj Market Jaipur
3	Year of Construction	1850
4	Number of Floors	G+1
5	Number of Basements	None
6	Type of Building	Commercial + Residential
7	Approximate Height	6m
8	Approximate Area	Not Known
9	Age of Building	163 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof & Right side External column Varanda Shop No. 90 & 91, Ground Floor	Inclined	1.5	3	Slight	14
2	External Column Varanda Shop No. 93, Ground Floor	Vertical	0.8	3.5	Very Slight	15
3	External Column Varanda Shop No. 93, Ground Floor	Vertical	0.8	3.5	Very Slight	16

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
4	Roof Varanda Shop No. 85, Ground Floor	Dampness/Seepage	17
5	Beam Varanda Shop No. 85, Ground Floor	Peeling of Plaster	18
6	Roof Varanda Shop No. 86, Ground Floor	Peeling of Plaster	19
7	Roof Part B Shop No. 86, Ground Floor	Dampness/Seepage	20
8	Wall No. 2 Part B Shop No. 86, Ground Floor	Peeling of Plaster	21
9	Wall No. 2 Part B Shop No. 86, Ground Floor	Peeling of Plaster	22
10	Roof Varanda Shop No. 90 & 91, Ground Floor	Dampness/Seepage	23
11	Roof Shop No. 90 & 91 Ground Floor	Dampness/Seepage	24
12	External Beam Front Side Shop No. 96 Ground Floor	Peeling of Plaster	25
13	Roof Varanda Shop No. 96, Ground Floor	Dampness/Seepage	26
14	Left side external Column Varanda Shop No. 96, Ground Floor	Peeling of Plaster	27
15	Outer wall Front side Varanda Shop No. 96, Ground Floor	Peeling of Plaster	28
16	Roof Room No. 1 Shop No. 96, Ground Floor	Peeling of Plaster	29
17	Wall No. 6 Shop No. 96 Ground Floor	Peeling of Plaster	30
18	Wall No. 3 Shop No. 96 Ground Floor	Peeling of Plaster	31
19	Wall No. 3 Shop No. 96 Ground Floor	Dampness/Seepage	32
20	Wall No. 15 Shop No. 96 Ground Floor	Dampness/Seepage	33
21	Wall No. 10 Shop No. 96 Ground Floor	Peeling of Plaster	34
22	Wall No. 9 Shop No. 96 Ground Floor	Peeling of Plaster	35
23	Wall No. 11 Shop No. 96 Ground Floor	Peeling of Plaster	36
24	Wall No. 1, 3 & 4 Shop No. 96 Ground Floor	Peeling of Plaster	37
25	Floor Store No. 2 Ground Floor	Peeling of Plaster	38
26	Roof Store No. 2 Ground Floor	Peeling of Plaster	39
27	Wall No. 2, 3 & 4 Store No. 1 Ground Floor	Peeling of Plaster	40
28	Wall No. 1 & 3 Room No. 2 Shop No. 96, Ground Floor	Peeling of Plaster	41
29	Wall No. 2 & 3 Room No. 2	Peeling of Plaster	42
30	Wall No. 4 Room No. 2 Shop No. 96, Ground Floor	Peeling of Plaster	43
31	Floor Room No. 2 Shop No. 96, Ground Floor	Peeling of Plaster	44
32	Wall No. 1 & 4 Room No. 3 Shop No. 96, Ground Floor	Peeling of Plaster	45
33	Floor & 2 Room No. 3 Shop No. 96, Ground Floor	Peeling of Plaster	46
34	Wall No. 3 Room No. 3 Shop No. 96, Ground Floor	Peeling of Plaster	47
35	Wall No. 2 Room No. 3 Shop No. 96, Ground Floor	Peeling of Plaster	48

36	Roof & External Beam Varanda Shop No. 97 & 98, Ground Floor	Dampness/Seepage	49
37	Outer wall Right Hand Side Varanda Shop No. 97 & 98, Ground Floor	Dampness/Seepage	50
38	Roof Toilet No. 1 Shop No. 96, Ground Floor	Peeling of Plaster	51
39	Roof Varanda Shop No. 100, Ground Floor	Dampness/Seepage	52
40	External Beam Varanda Shop No. 100, Ground Floor	Peeling of Plaster	53
41	Wall No. 4 Shop No. 100 Ground Floor	Dampness/Seepage	54
42	Roof Varanda Shop No. 93, Ground Floor	Dampness/Seepage	55
43	Roof Varanda Shop No. 94 & 95, Ground Floor	Dampness/Seepage	56
44	Roof Varanda Shop No. 94 & 95, Ground Floor	Peeling of Plaster	57
45	Roof Part F Shop No. 94 & 95, Ground Floor	Peeling of Plaster	58
46	Wall No. 4 Part F Shop No. 94 & 95, Ground Floor	Peeling of Plaster	59
47	Roof Varanda of Shop No.99 Ground Floor	Dampness/Seepage	60
48	Roof Varanda of Shop No.99 Ground Floor	Peeling of Plaster	61

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 1 Part A Shop No. 85, Ground Floor	Covered with Wooden Racks & Material	62
2	Wall No. 4 Part A Shop No. 85, Ground Floor	Covered with Wooden Racks & Material	63
3	Wall No. 2 Part A Shop No. 85, Ground Floor	Covered with Wooden Racks & Material	64
4	Roof Part A Shop No. 85, Ground Floor	Covered with Wood	65
5	Part B Shop No. 85, Ground Floor	Covered with Material	66
6	All walls Part A Shop No. 86, Ground Floor	Covered with material	67
7	Wall No. 1 Part B Shop No. 86, Ground Floor	Covered with material	68
8	All walls Shop No. 90 & 91 Ground Floor	Covered with Material	69
9	Internal Part Shop No. 90 & 91 Ground Floor	Not Permitted	70
10	All walls Part A Shop No. 97 & 98, Ground Floor	Covered with wooden work & material	71
11	All walls Toilet No. 1 Shop No. 97 & 98, Ground Floor	Covered With Tiles	72
12	All walls Shop No. 100 Ground Floor	Covered with Wooden work	73
13	All walls Part A Shop No. 93, Ground Floor	Covered with Material	74
14	All walls Part B Shop No. 93, Ground Floor	Covered with Material	75
15	All walls Part C Shop No. 93, Ground Floor	Covered with Material	76
16	Wall No. 1 & 4 Part A Shop No. 94 & 95, Ground Floor	Covered with Material	77
17	Wall No. 2 & 4 Part A Shop No. 94 & 95, Ground Floor	Covered with Material	78
18	Wall No. 1 & 4 Part B Shop No. 94 & 95, Ground Floor	Covered with Material	79
19	Wall No. 2 & 4 Part B Shop No. 94 & 95, Ground Floor	Covered with Material	80
20	Wall No. 1 Part F Shop No. 94 & 95, Ground Floor	Covered with Material	81
21	All Wall Shop No.99 Ground Floor	Covered With Material	82

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of Shop No.99



Photo 2
View of Shop No. 85 Noorini Textiles, Ground Floor



Photo 3
View of Shop No. 86 Gordhan das Khandelwal, Ground Floor



Photo 4
View of Shop No. 90 & 91 Shobha Treaders, Ground Floor



Photo 5
View of Shop No. 96, Ground Floor



Photo 6
View of Shop No. 97 & 98 Shrimal Medical Store, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of Shop Part B, Shop No. 97 & 98, Ground Floor



Photo 8
View of Shop No. 100 Gokul Chand Giriraj Bairathi, Ground Floor



Photo 9
View of Shop No. 93 Lovely Paints, Ground Floor



Photo 10
View of Shop No. 94 & 95 Shree Ram Kirana Store, Ground Floor



Photo 11
View of Shop Part C, Shop No. 94 & 95, Ground Floor



Photo 12
View of Shop Part D, Shop No. 94 & 95, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Covered with Material, Shop No. 94 & 95, Ground Floor



Photo 14
Inclined Crack on Roof & R/S External column of Varanda, Shop No. 90 & 91, G/F Approx. Width = 1.5mm, Approx. Length = 3m. Distance from R/s External column = 0m, Height from Floor = 2.8m.



Photo 15
Vertical Crack on External Column of Varanda , Shop No. 93, Ground Floor, Approx. Width = 0.8mm, Approx. Length = 3.5m. Distance from External Column = 0m, Height from Floor = 0m.

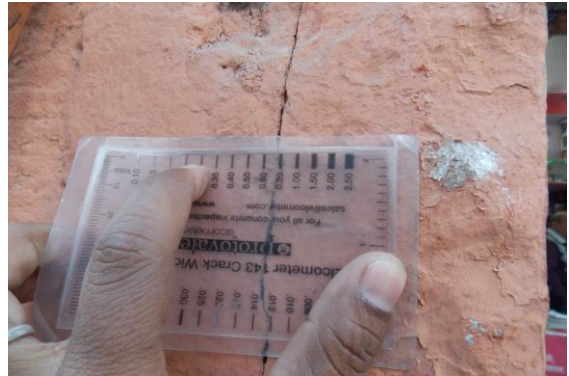


Photo 16
Vertical Crack on External Column of Varanda, Shop No. 93, Ground Floor, Approx. Width = 0.8mm, Approx. Length = 3.5m. Distance from External Column = 0m, Height from Floor = 0m.



Photo 17
Dampness/Seepage on Roof of Varanda of Shop No. 85, Ground Floor



Photo 18
Peeling of Plaster on Beam of Varanda of Shop No. 85, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

Peeling of Plaster on Roof of Varanda of Shop No. 86, Ground Floor



Photo 20

Dampness/Seepage on Roof of Part B of Shop No. 86, Ground Floor



Photo 21

Peeling of Plaster on Wall No. 2 of Part B of Shop No. 86, Ground Floor



Photo 22

Peeling of Plaster on Wall No. 2 of Part B of Shop No. 86, Ground Floor



Photo 23

Dampness/Seepage on Roof of Varanda of Shop No. 90 & 91, Ground Floor



Photo 24

Dampness/Seepage on Roof of Shop No. 90 & 91 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

Peeling of Plaster on External Beam Front Side of Shop No. 96 of Ground Floor



Photo 26

Dampness/Seepage on Roof of Varanda of Shop No. 96, Ground Floor



Photo 27

Peeling of Plaster on Left side external Column of Varanda of Shop No. 96, Ground Floor



Photo 28

Peeling of Plaster on Outer wall Front side of Varanda of Shop No. 96, Ground Floor



Photo 29

Peeling of Plaster on Roof of Room No. 1 of Shop No. 96, Ground Floor



Photo 30

Peeling of Plaster on Wall No. 6 of Shop No. 96 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31

Peeling of Plaster on Wall No. 3 of Shop No. 96 of Ground Floor



Photo 32

Dampness/Seepage on Wall No. 3 of Shop No. 96 of Ground Floor



Photo 33

Dampness/Seepage on Wall No. 15 of Shop No. 96 of Ground Floor



Photo 34

Peeling of Plaster on Wall No. 10 of Shop No. 96 of Ground Floor



Photo 35

Peeling of Plaster on Wall No. 9 of Shop No. 96 of Ground Floor



Photo 36

Peeling of Plaster on Wall No. 11 of Shop No. 96 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 37

Peeling of Plaster on Wall No. 1, 3 & 4 of Shop No. 96 of Ground Floor



Photo 38

Peeling of Plaster on Floor of Store No. 2 of Ground Floor



Photo 39

Peeling of Plaster on Roof of Store No. 2 of Ground Floor



Photo 40

Peeling of Plaster on Wall No. 2, 3 & 4 of Store No. 1 of Ground Floor



Photo 41

Peeling of Plaster on Wall No. 1 & 3 of Room No. 2 of Shop No. 96, Ground Floor



Photo 42

Peeling of Plaster on Wall No. 2 & 3 of Room No. 2 of Shop No. 96, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 43

Peeling of Plaster on Wall No. 4 of Room No. 2 of Shop No. 96, Ground Floor



Photo 44

Peeling of Plaster on Floor of Room No. 2 of Shop No. 96, Ground Floor



Photo 45

Peeling of Plaster on Wall No. 1 & 4 of Room No. 3 of Shop No. 96, Ground Floor



Photo 46

Peeling of Plaster on Wall No. 2 & Floor & Room No. 3 of Shop No. 96, Ground Floor



Photo 47

Peeling of Plaster on Wall No. 3 of Room No. 3 of Shop No. 96, Ground Floor

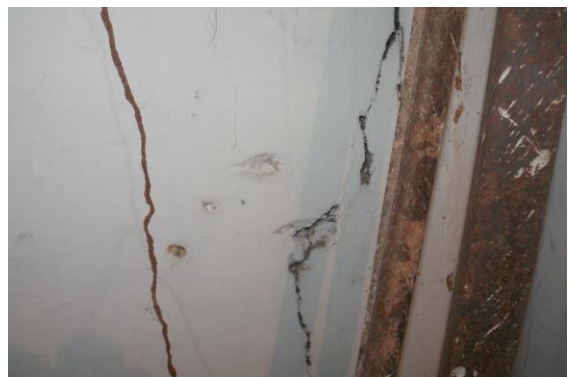


Photo 48

Peeling of Plaster on Wall No. 2 of Room No. 3 of Shop No. 96, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 49

Dampness/Seepage on Roof & External Beam of Varanda of Shop No. 97 & 98, Ground Floor



Photo 50

Dampness/Seepage on Outer wall Right Hand Side of Varanda of Shop No. 97 & 98, Ground Floor

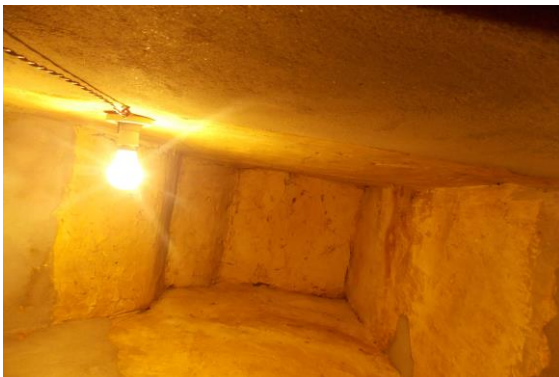


Photo 51

Peeling of Plaster on Roof of Toilet No. 1 of Shop No. 96, Ground Floor



Photo 52

Dampness/Seepage on Roof of Varanda of Shop No. 100, Ground Floor



Photo 53

Peeling of Plaster on External Beam of Varanda of Shop No. 100, Ground Floor



Photo 54

Dampness/Seepage on Wall No. 4 of Shop No. 100 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 55

Dampness/Seepage on Roof of Varanda of Shop No. 93, Ground Floor



Photo 56

Dampness/Seepage on Roof of Varanda of Shop No. 94 & 95, Ground Floor



Photo 57

Peeling of Plaster on Roof of Varanda of Shop No. 94 & 95, Ground Floor



Photo 58

Peeling of Plaster on Roof of Part F of Shop No. 94 & 95, Ground Floor



Photo 59

Peeling of Plaster on Wall No. 4 of Part F of Shop No. 94 & 95, Ground Floor



Photo 60

Dampness/Seepage on Roof of Varanda of Shop No.99 of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 61

Peeling of Plaster on Roof of Varanda of Shop No.99 of Ground Floor



Photo 62

Wall No. 1 of Part A of Shop No. 85, Ground Floor Covered with Wooden Racks & Material



Photo 63

Wall No. 4 of Part A of Shop No. 85, Ground Floor Covered with Wooden Racks & Material



Photo 64

Wall No. 2 of Part A of Shop No. 85, Ground Floor Covered with Wooden Racks & Material



Photo 65

Roof of Part A of Shop No. 85, Ground Floor Covered with Wood



Photo 66

Part B of Shop No. 85, Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 67

All walls of Part A of Shop No. 86, Ground Floor Covered with material



Photo 68

Wall No. 1 of Part B of Shop No. 86, Ground Floor Covered with material



Photo 69

All walls of Shop No. 90 & 91 of Ground Floor Covered with Material



Photo 70

Internal Part of Shop No. 90 & 91 of Ground Floor Not Permitted



Photo 71

All walls of Part A of Shop No. 97 & 98, Ground Floor Covered with wooden work & material



Photo 72

All walls of Toilet No. 1 of Shop No. 97 & 98, Ground Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 73

All walls of Shop No. 100 of Ground Floor Covered with Wooden work



Photo 74

All walls of Part A of Shop No. 93, Ground Floor Covered with Material



Photo 75

All walls of Part B of Shop No. 93, Ground Floor Covered with Material



Photo 76

All walls of Part C of Shop No. 93, Ground Floor Covered with Material



Photo 77

Wall No. 1 & 4 of Part A of Shop No. 94 & 95, Ground Floor Covered with Material



Photo 78

Wall No. 2 & 4 of Part A of Shop No. 94 & 95, Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 79

Wall No. 1 & 4 of Part B of Shop No. 94 & 95, Ground Floor Covered with Material



Photo 80

Wall No. 2 & 4 of Part B of Shop No. 94 & 95, Ground Floor Covered with Material



Photo 81

Wall No. 1 of Part F of Shop No. 94 & 95, Ground Floor Covered with Material



Photo 82

All Wall of Shop No.99 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Navjeevan Chikitsalay + Temple
Ramganj Market
Jaipur
Unique ID: BC RA DN 0072

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0072/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Trust
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 2 floors. The structure was constructed in year 1850 and is 163 years old.

There are 193 defects in the structure out of which 66 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	45	68.18%
Slight (1 to 5mm)	20	30.30%
Moderate (5 to 15mm)	1	1.52%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.93mm and average length of cracks is 2.33m. The maximum crack width is 5mm and minimum width is 0.15mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0072			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Navjeevan Chikitsalay + Temple
2	Building Address	House No. Ramganj Market Jaipur
3	Year of Construction	1850
4	Number of Floors	G+1
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	163 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Open Area 1 of Navjeevan Chikitsalaya Ground Floor	Inclined	2	1.3	Slight	17, 17A
2	Wall No. 1 Open Area 1 of Navjeevan Chikitsalaya Ground Floor	Inclined	4	1.5	Slight	18, 18A
3	Wall No. 1 Room No. 9 Part A of Navjeevan Chikitsalaya, Ground Floor	Inclined	0.35	1.5	Very Slight	19, 19A
4	Wall No. 4 & Roof Room No. 9 Part B of Navjeevan Chikitsalaya, Ground Floor	Inclined	0.35	3	Very Slight	20
5	Wall No. 3 Room No. 8 Part A of Navjeevan Chikitsalaya, Ground Floor	Vertical	0.5	1	Very Slight	21
6	Wall No. 4 Room No. 8 Part B of Navjeevan Chikitsalaya, Ground Floor	Inclined	0.3	1.5	Very Slight	22
7	Wall No. 3 Room No. 8 Part B of Navjeevan Chikitsalaya, Ground Floor	Inclined	0.25	4	Very Slight	23, 23A
8	Wall No. 3 Room No. 11 Navjeevan Chikitsalaya, Ground Floor	Vertical	0.5	1.5	Very Slight	24, 24A
9	Roof Room No. 11 Navjeevan Chikitsalaya, Ground Floor	Horizontal	0.5	1	Very Slight	25
10	Wall No. 4 Room No. 11 Navjeevan Chikitsalaya, Ground Floor	Inclined	0.35	1.5	Very Slight	26
11	Wall No. 3 Room No. 11 Navjeevan Chikitsalaya, Ground Floor	Inclined	0.25	2	Very Slight	27
12	Wall No. 3 Open Varanda of Navjeevan Chikitsalaya Ground Floor	Inclined	0.2	1.4	Very Slight	28
13	Wall No. 4 Open Varanda of Navjeevan Chikitsalaya Ground Floor	Inclined	0.35	1.6	Very Slight	29
14	Wall No. 1 Open Varanda of Navjeevan Chikitsalaya Ground Floor	Inclined	0.15	2.5	Very Slight	30, 30A
15	Wall No. 4 Part-A of Shop of Navjeevan Chikitsalaya Ground Floor	Inclined	0.2	1.5	Very Slight	31
16	Wall No. 2 Part-A of Shop of Navjeevan Chikitsalaya Ground Floor	Inclined	0.35	2	Very Slight	32, 32A
17	Wall No. 2 Part-B of Shop of Navjeevan Chikitsalaya Ground Floor	Inclined	0.3	0.6	Very Slight	33, 33A
18	Roof Room No. 13 Navjeevan Chikitsalaya, Ground Floor	Horizontal	0.6	3	Very Slight	34
19	Roof Room No. 13 Navjeevan Chikitsalaya, Ground Floor	Horizontal	0.5	1.5	Very Slight	35
20	Roof Room No. 14 Part A of Navjeevan Chikitsalaya, Ground Floor	Horizontal	0.4	1.8	Very Slight	36
21	Roof Room No. 14 Part B of Navjeevan Chikitsalaya, Ground Floor	Horizontal	0.5	0.6	Very Slight	37
22	Wall No. 1 Room No. 2 Navjeevan Chikitsalaya, First Floor	Inclined	0.35	1	Very Slight	38, 38A
23	Wall No. 4 Room No. 2 Navjeevan Chikitsalaya, First Floor	Inclined	0.35	1.3	Very Slight	39, 39A
24	Wall No. 2 Room No. 2 Navjeevan Chikitsalaya, First Floor	Inclined	0.35	2.1	Very Slight	40, 40A
25	Roof Room No. 2 Navjeevan Chikitsalaya, First Floor	Inclined	0.8	2	Very Slight	41
26	Wall No. 1 & Roof Room No. 1 Navjeevan Chikitsalaya, Mezanine Floor	Inclined	1	2.5	Slight	42
27	Wall No. 1 Room No. 1 Navjeevan Chikitsalaya, Mezanine Floor	Inclined	0.4	1.2	Very Slight	43, 43A
28	Roof Store Room of Navjeevan Chikitsalaya First Floor	Horizontal	0.25	2	Very Slight	44
29	Wall No. 1 Passage 1 of Navjeevan Chikitsalaya First Floor	Inclined	0.5	1.5	Very Slight	45, 45A
30	Wall No. 1 Passage 1 of Navjeevan Chikitsalaya First Floor	Inclined	0.5	1.7	Very Slight	46, 46A

31	Wall No. 4 & Roof Lobby of Navjeevan Chikitsalaya First Floor	Inclined	3	3.6	Slight	47
32	Wall No. 4 Lobby of Navjeevan Chikitsalaya First Floor	Inclined	0.5	1.3	Very Slight	48
33	Wall No. 4 Varanda 1 of Navjeevan Chikitsalaya First Floor	Inclined	5	2.3	Moderate	49
34	Wall No. 2 Varanda 2 of Navjeevan Chikitsalaya First Floor	Inclined	1	2	Slight	50, 50A
35	Wall No. 4 Varanda 2 of Navjeevan Chikitsalaya First Floor	Inclined	0.6	1	Very Slight	51
36	Wall No. 2 & 3 Room No. 5 Navjeevan Chikitsalaya, First Floor	Inclined	2	2.5	Slight	52
37	Wall No. 1 & 3 Navjeevan Chikitsalaya First Floor	Inclined	1.5	2.5	Slight	53
38	Wall No. 4 & Roof Room No. 6 Navjeevan Chikitsalaya, First Floor	Inclined	0.8	5.5	Very Slight	54, 54A
39	Wall No. 4 & Roof Store 2 of Navjeevan Chikitsalaya First Floor	Inclined	0.8	5.5	Very Slight	55, 55A
40	Wall No. 4 & Roof Varanda 4 of Navjeevan Chikitsalaya First Floor	Inclined	3	2.1	Slight	56
41	Wall No. 2 & Roof Varanda 7 of Navjeevan Chikitsalaya First Floor	Inclined	2	5	Slight	57, 57A
42	Wall No. 1 & Roof Varanda 7 of Navjeevan Chikitsalaya First Floor	Inclined	0.35	5	Very Slight	58, 58A
43	Roof Varanda 8 of Navjeevan Chikitsalaya First Floor	Inclined	1.5	3	Slight	59
44	Wall No. 3 & Sunshade Open Sky of Navjeevan Chikitsalaya First Floor	Inclined	1	2.5	Slight	60
45	Wall No. 2 Open Sky of Navjeevan Chikitsalaya First Floor	Inclined	1.5	2	Slight	61
46	Wall No. Sunshade Open Sky of Navjeevan Chikitsalaya First Floor	Horizontal	0.4	1	Very Slight	62
47	Wall No. 3 & Sunshade Open Sky of Navjeevan Chikitsalaya First Floor	Inclined	1.5	1.7	Slight	63
48	Wall No. 4 Room No. 10 Navjeevan Chikitsalaya, First Floor	Inclined	0.6	2.7	Very Slight	64, 64A
49	Wall No. 4 Room No. 10 Navjeevan Chikitsalaya, First Floor	Inclined	0.8	3	Very Slight	65, 65A
50	Wall No. 3 Hall 1 of Navjeevan Chikitsalaya First Floor	Inclined	0.4	4.2	Very Slight	66, 66A
51	Wall No. 4 Room No. 15 Navjeevan Chikitsalaya, First Floor	Inclined	2	1.6	Slight	67, 67A
52	Wall No. 3 Room No. 15 Navjeevan Chikitsalaya, First Floor	Inclined	0.4	1.8	Very Slight	68, 68A
53	Wall No. 1 Room No. 16 Navjeevan Chikitsalaya, First Floor	Inclined	1.5	1.7	Slight	69, 69A
54	Wall No. 2 Tomb 1 of Navjeevan Chikitsalaya First Floor	Inclined	0.8	2	Very Slight	70, 70A
55	Wall No. 1 & Roof Store 4 of Navjeevan Chikitsalaya First Floor	Inclined	1.5	5	Slight	71, 71A
56	Wall No. 4 Kitchen of Navjeevan Chikitsalaya First Floor	Inclined	0.6	2.8	Very Slight	72, 72A
57	Wall No. 4 Varanda 11 of Navjeevan Chikitsalaya First Floor	Inclined	0.5	2	Very Slight	73, 73A
58	Wall No. 2 Varanda 12 of Navjeevan Chikitsalaya First Floor	Inclined	0.8	2	Very Slight	74, 74A
59	Wall No. 4 & Roof Room No. 17 Navjeevan Chikitsalaya, First Floor	Inclined	0.5	2.3	Very Slight	75, 75A
60	Wall No. 4 Room No. 17 Navjeevan Chikitsalaya, First Floor	Inclined	1	3.5	Slight	76, 76A
61	Wall No. 2 Open Sky 3 of Navjeevan Chikitsalaya First Floor	Inclined	0.8	2.8	Very Slight	77, 77A
62	Wall No. 3 Open Sky 3 of Navjeevan Chikitsalaya First Floor	Inclined	1	4	Slight	78, 78A
63	External Faccade,Back Side of Navjeevan Chikitsalaya Ground Floor	Inclined	0.8	3	Very Slight	79, 79A
64	Wall No. 2 External Faccade,Right Side of Navjeevan Chikitsalaya First Floor	Inclined	1.5	3	Slight	80
65	Wall No. 2 External Faccade,Right Side of Navjeevan Chikitsalaya First Floor	Inclined	0.8	2.1	Very Slight	81
66	Wall No. 2 External Faccade,Right Side of Navjeevan Chikitsalaya First Floor	Inclined	1	4	Slight	82

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
67	Wall No. 4 & Roof Room No. 1 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	83
68	Wall No. 2 & 4 Room No. 1 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	84
69	Wall No. 2 & 4 Room No. 1 Part A of Navjeevan Chikitsalaya, Ground Floor	Peeling of Plaster	85
70	Wall No. 2, 4 & Roof Room No. 1 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	86
71	Wall No. 2, 3 & Roof Room No. 1 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	87
72	Wall No. 1 Room No. 1 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	88
73	Wall No. 4 Room No. 1 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	89
74	Wall No. 4 & Roof Room No. 2 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	90
75	Wall No. 2 Room No. 2 Part A of Navjeevan Chikitsalaya, Ground Floor	Peeling of Plaster	91
76	Wall No. 1, 3, 4 & Roof Room No. 2 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	92
77	Wall No. 2 & 4 Room No. 2 Part A of Navjeevan Chikitsalaya, Ground Floor	Peeling of Plaster	93
78	Wall No. 1 Room No. 2 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	94
79	Wall No. 2 Room No. 3 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	95
80	Wall No. 1 & 3 Room No. 4 Part A of Navjeevan Chikitsalaya, Ground Floor	Dampness/Seepage	96
81	Wall No. 4 Open Area 1 of Navjeevan Chikitsalaya Ground Floor	Peeling of Plaster	97
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Summary of Areas that Could not be Surveyed			
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4	Bathroom Navjeevan Chikitsalaya, Ground Floor	Coverd With Tiles	213
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11	Temple of Navjeevan Chikitsalaya First Floor	LOCKED	220
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Photo 1
Front View Of Temple



Photo 2
, Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 3
, Navjeevan Chikitsalaya, Ground Floor



Photo 4
, Navjeevan Chikitsalaya, Ground Floor



Photo 5
, Navjeevan Chikitsalaya, Ground Floor



Photo 6
, Navjeevan Chikitsalaya, Ground Floor

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Photo 7
Front View Of Navjeevanchikitsalaya, Ground Floor



Photo 8
Front View Of Shop Of Navjeevanchikitsalaya, Ground Floor



Photo 9
, First Floor



Photo 10
, First Floor



Photo 11
, First Floor



Photo 12
, First Floor

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Photo 13
Back View Side, Ground Floor



Photo 14
Right Side View Of Temple, First Floor



Photo 15
View Navjeevan Chikitsalaya, First Floor



Photo 16
View Navjeevan Chikitsalaya, First Floor



Photo 17
Inclined Crack on Wall No. 4 of Open Area 1 of Navjeevan Chikitsalaya, Ground Floor Approx. Width = 2mm, Approx. Length = 1.3m. Distance from Wall No.2 = 5m, Height from Floor = 1m.



Photo 17A
Inclined Crack on Wall No. 4 of Open Area 1 of Navjeevan Chikitsalaya, Ground Floor Approx. Width = 2mm, Approx. Length = 1.3m. Distance from Wall No.2 = 5m, Height from Floor = 1m.

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Photo 18

Inclined Crack on Wall No. 1 of Open Area 1 of Navjeevan Chikitsalaya, Ground Floor Approx. Width = 4mm, Approx. Length = 1.5m. Distance from Wall No.4 = 4m, Height from Floor = 1m.



Photo 18A

Inclined Crack on Wall No. 1 of Open Area 1 of Navjeevan Chikitsalaya, Ground Floor Approx. Width = 4mm, Approx. Length = 1.5m. Distance from Wall No.4 = 4m, Height from Floor = 1m.



Photo 19

Inclined Crack on Wall No. 1 of Room No. 9, Part A of Navjeevan Chikitsalaya, Ground Floor Approx. Width = 0.35mm, Approx. Length = 1.5m. Distance from Wall No.3 = 0.25m, Height from Floor = 1.6m.

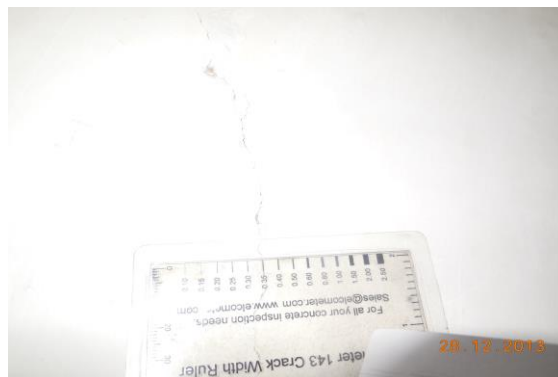


Photo 19A

Inclined Crack on Wall No. 1 of Room No. 9, Part A of Navjeevan Chikitsalaya, Ground Floor Approx. Width = 0.35mm, Approx. Length = 1.5m. Distance from Wall No.3 = 0.25m, Height from Floor = 1.6m.



Photo 20

Inclined Crack on Wall No.4 & Roof of Room No. 9, Part B of Navjeevan Chikitsalaya, G/F Approx. Width = 0.35mm, Approx. Length = 3m. Distance from Wall No.1 = 2m, Height from Floor=2m.

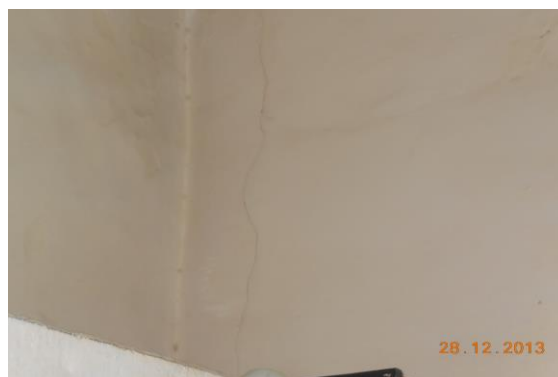


Photo 21

Vertical Crack on Wall No. 3 of Room No. 8, Part A of Navjeevan Chikitsalaya, G/F Approx. Width = 0.5mm, Approx. Length = 1m. Distance from Wall No.2 = 0.15m, Height from Floor = 2m.

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Photo 22

Inclined Crack on Wall No. 4 of Room No. 8, Part B of Navjeevan Chikitsalaya, G/F Approx. Width = 0.3mm, Approx. Length = 1.5m. Distance from Wall No.2 = 0.8m, Height from Floor = 2m.



Photo 23

Inclined Crack on Wall No. 3 of Room No. 8, Part B of Navjeevan Chikitsalaya, G/F Approx. Width = 0.25mm, Approx. Length = 4m. Distance from Wall No.2 = 0.3m, Height from Floor = 0.4m.



Photo 23A

Inclined Crack on Wall No. 3 of Room No. 8, Part B of Navjeevan Chikitsalaya, G/F r Approx. Width = 0.25mm, Approx. Length = 4m. Distance from Wall No.2 = 0.3m, Height from Floor = 0.4m.



Photo 24

Vertical Crack on Wall No. 3 of Room No. 11, Navjeevan Chikitsalaya, G/F Approx. Width = 0.5mm, Approx. Length = 1.5m. Distance from Wall No.1 = 2m, Height from Floor = 1.5m.

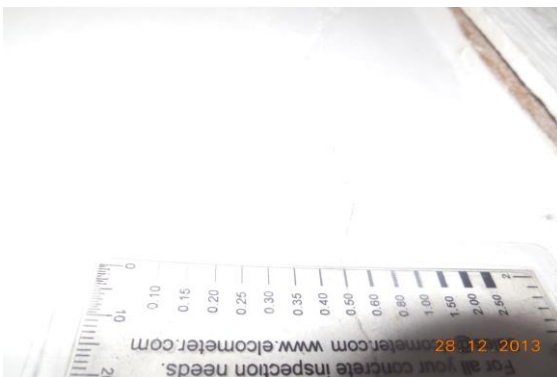


Photo 24A

Vertical Crack on Wall No. 3 of Room No. 11, Navjeevan Chikitsalaya, G/F Approx. Width = 0.5mm, Approx. Length = 1.5m. Distance from Wall No.1 = 2m, Height from Floor = 1.5m.



Photo 25

Horizontal Crack on Roof of Room No. 11, Navjeevan Chikitsalaya, Ground Floor Approx. Width = 0.5mm, Approx. Length = 1m. Distance from Wall No.1 = 0.7m, Height from Floor = 3.3m.

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Photo 26

Inclined Crack on Wall No. 4 of Room No. 11, Navjeevan Chikitsalaya, G/F Approx. Width = 0.35mm, Approx. Length = 1.5m. Distance from Wall No.1 = 0.15m, Height from Floor = 2m.



Photo 27

Inclined Crack on Wall No. 3 of Room No. 11, Navjeevan Chikitsalaya, G/F Approx. Width = 0.25mm, Approx. Length = 2m. Distance from Wall No.2 = 1.8m, Height from Floor = 2m.



Photo 28

Inclined Crack on Wall No. 3 of Open Varanda of Navjeevan Chikitsalaya, G/F Approx. Width = 0.2mm, Approx. Length = 1.4m. Distance from Wall No.2 = 4m, Height from Floor = 1.8m.



Photo 29

Inclined Crack on Wall No. 4 of Open Varanda of Navjeevan Chikitsalaya, G/F Approx. Width = 0.35mm, Approx. Length = 1.6m. Distance from Wall No.1 = 4.2m, Height from Floor = 1.6m.



Photo 30

Inclined Crack on Wall No. 1 of Open Varanda of Navjeevan Chikitsalaya, G/F Approx. Width = 0.15mm, Approx. Length = 2.5m. Distance from Wall No.4 = 3.3m, Height from Floor = 0.7m.



Photo 30A

Inclined Crack on Wall No. 1 of Open Varanda of Navjeevan Chikitsalaya, G/F Approx. Width = 0.15mm, Approx. Length = 2.5m. Distance from Wall No.4 = 3.3m, Height from Floor = 0.7m.

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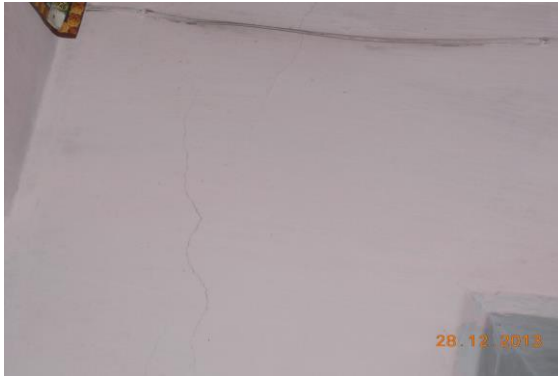


Photo 31

Inclined Crack on Wall No. 4 of Part-A of Shop of Navjeevan Chikitsalaya, G/F Approx. Width = 0.2mm, Approx. Length = 1.5m. Distance from Wall No.1 = 0.15m, Height from Floor = 1.8m.



Photo 32

Inclined Crack on Wall No. 2 of Part-A of Shop of Navjeevan Chikitsalaya, G/F Approx. Width = 0.35mm, Approx. Length = 2m. Distance from Wall No.4 = 3m, Height from Floor = 0m.

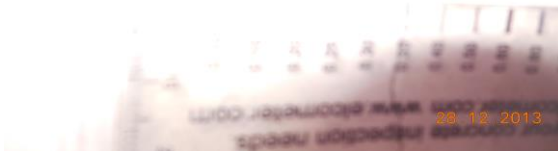


Photo 32A

Inclined Crack on Wall No. 2 of Part-A of Shop of Navjeevan Chikitsalaya, G/F Approx. Width = 0.35mm, Approx. Length = 2m. Distance from Wall No.4 = 3m, Height from Floor = 0m.

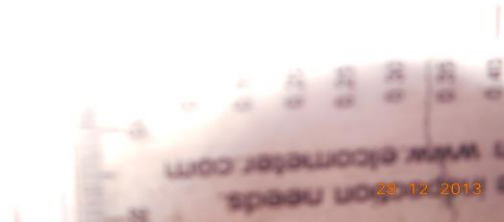


Photo 32A

Inclined Crack on Wall No. 2 of Part-A of Shop of Navjeevan Chikitsalaya, G/F Approx. Width = 0.35mm, Approx. Length = 2m. Distance from Wall No.4 = 3m, Height from Floor = 0m.



Photo 33

Inclined Crack on Wall No. 2 of Part-B of Shop of Navjeevan Chikitsalaya, G/F Approx. Width = 0.3mm, Approx. Length = 0.6m. Distance from Wall No.3 = 0.25m, Height from Floor = 1.9m.

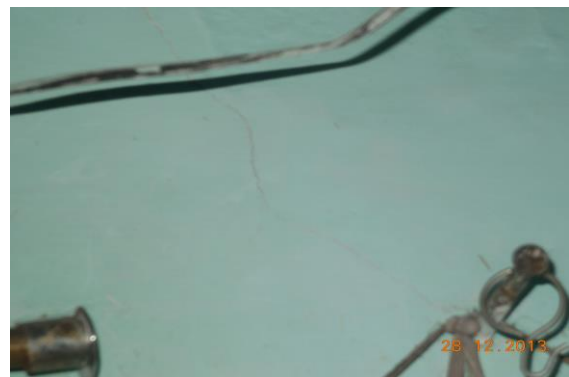


Photo 33A

Inclined Crack on Wall No. 2 of Part-B of Shop of Navjeevan Chikitsalaya, G/F Approx. Width = 0.3mm, Approx. Length = 0.6m. Distance from Wall No.3 = 0.25m, Height from Floor = 1.9m.

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Photo 34

Horizontal Crack on Roof of Room No. 13, Navjeevan Chikitsalaya, G/F
Approx. Width = 0.6mm, Approx. Length = 3m. Distance from Wall No.1 = 0m, Height from Floor = 3.3m.



Photo 35

Horizontal Crack on Roof of Room No. 13, Navjeevan Chikitsalaya, G/F
Approx. Width = 0.5mm, Approx. Length = 1.5m.
Distance from Wall No.4 = 0m, Height from Floor = 3.3m.



Photo 36

Horizontal Crack on Roof of Room No. 14, Part A of Navjeevan Chikitsalaya, G/F
Approx. Width = 0.4mm, Approx. Length = 1.8m.
Distance from Wall No.3 = 0m, Height from Floor = 3.3m.



Photo 37

Horizontal Crack on Roof of Room No. 14, Part B of Navjeevan Chikitsalaya, G/F
Distance from Wall No.4 = 0m, Height from Floor = 3.3m.



Photo 38

Inclined Crack on Wall No. 1 of Room No. 2, Navjeevan Chikitsalaya, First Floor
Approx. Width = 0.35mm, Approx. Length = 1m. Distance from Wall No.4 = 0.6m, Height from Floor = 0m.



Photo 38A

Inclined Crack on Wall No. 1 of Room No. 2, Navjeevan Chikitsalaya, First Floor
Approx. Width = 0.35mm, Approx. Length = 1m. Distance from Wall No.4 = 0.6m, Height from Floor = 0m.

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Photo 39

Inclined Crack on Wall No. 4 of Room No. 2, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.35mm, Approx. Length = 1.3m. Distance from Wall No.2 = 0.7m, Height from Floor = 1.2m.



Photo 39A

Inclined Crack on Wall No. 4 of Room No. 2, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.35mm, Approx. Length = 1.3m. Distance from Wall No.2 = 0.7m, Height from Floor = 1.2m.



Photo 40

Inclined Crack on Wall No. 2 of Room No. 2, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.35mm, Approx. Length = 2.1m. Distance from Wall No.4 = 0.1m, Height from Floor = 1.5m.



Photo 40A

Inclined Crack on Wall No. 2 of Room No. 2, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.35mm, Approx. Length = 2.1m. Distance from Wall No.4 = 0.1m, Height from Floor = 1.5m.



Photo 41

Inclined Crack on Roof of Room No. 2, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 2m. Distance from Wall No.2 = 0.15m, Height from Floor = 3m.



Photo 42

Inclined Crack on Wall No. 1 & Roof of Room No. 1, Navjeevan Chikitsalaya, M/Floor Approx. Width = 1mm, Approx. Length = 2.5m. Distance from Wall No.3 = 0.1m, Height from Floor = 1m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 43

Inclined Crack on Wall No. 1 of Room No. 1, Navjeevan Chikitsalaya, M/Floor Approx. Width = 0.4mm, Approx. Length = 1.2m. Distance from Wall No.3 = 0.7m, Height from Floor = 0.7m.



Photo 43A

Inclined Crack on Wall No. 1 of Room No. 1, Navjeevan Chikitsalaya, M/Floor Approx. Width = 0.4mm, Approx. Length = 1.2m. Distance from Wall No.3 = 0.7m, Height from Floor = 0.7m.



Photo 44

Horizontal Crack on Roof of Store Room of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.25mm, Approx. Length = 2m. Distance from Wall No.4 = 0.1m, Height from Floor = 2.2m.



Photo 45

Inclined Crack on Wall No. 1 of Passage 1 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 1.5m. Distance from Wall No.4 = 2.7m, Height from Floor = 0m.



Photo 45A

Inclined Crack on Wall No. 1 of Passage 1 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 1.5m. Distance from Wall No.4 = 2.7m, Height from Floor = 0m.



Photo 46

Inclined Crack on Wall No. 1 of Passage 1 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 1.7m. Distance from Wall No.4 = 1.5m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 46A

Inclined Crack on Wall No. 1 of Passage 1 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 1.7m. Distance from Wall No.4 = 1.5m, Height from Floor = 0m.



Photo 47

Inclined Crack on Wall No. 4 & Roof of Lobby of Navjeevan Chikitsalaya, First Floor Approx. Width = 3mm, Approx. Length = 3.6m. Distance from Wall No.1 & 4 = 0m, Height from Floor = 2.4m.



Photo 48

Inclined Crack on Wall No. 4 of Lobby of Navjeevan Chikitsalaya, First Floor

Approx. Width = 0.5mm, Approx. Length = 1.3m.
Distance from Wall No 2 = 0.05m Height from Floor = 2.5m



Photo 49

Inclined Crack on Wall No. 4 of Varanda 1 of Navjeevan Chikitsalaya, First Floor

Approx. Width = 5mm, Approx. Length = 2.3m.
Distance from Wall No 1 = 0.3m Height from Floor = 2.5m



Photo 50

Inclined Crack on Wall No. 2 of Varanda 2 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1mm, Approx. Length = 2m. Distance from Wall No.3 = 0m, Height from Floor = 1.9m.



Photo 50A

Inclined Crack on Wall No. 2 of Varanda 2 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1mm, Approx. Length = 2m. Distance from Wall No.3 = 0m, Height from Floor = 1.9m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 51

Inclined Crack on Wall No. 4 of Varanda 2 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.6mm, Approx. Length = 1m. Distance from Wall No.2 = 0.4m, Height from Floor = 2.2m.



Photo 52

Inclined Crack on Wall No. 2 & 3 of Room No. 5, Navjeevan Chikitsalaya, First Floor Approx. Width = 2mm, Approx. Length = 2.5m. Distance from Wall No.2 & 3 = 0m, Height from Floor = 1.1m.



Photo 53

Inclined Crack on Wall No. 1 & 3 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1.5mm, Approx. Length = 2.5m. Distance from Wall No.1 & 3 = 0m, Height from Floor = 2m.



Photo 54

Inclined Crack on Wall No. 4 & Roof of Room No. 6, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 5.5m. Distance from Wall No 2 = 2.5m Height from Floor = 1.2m



Photo 54A

Inclined Crack on Wall No. 4 & Roof of Room No. 6, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 5.5m. Distance from Wall No.2 = 2.5m, Height from Floor = 1.2m.

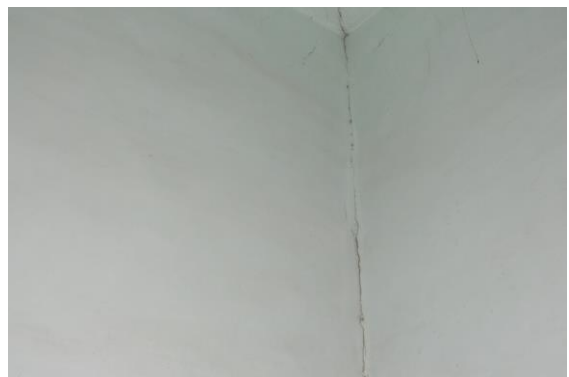


Photo 55

Inclined Crack on Wall No. 4 & Roof of Store 2 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 5.5m. Distance from Wall No.1 = 0.6m, Height from Floor = 0.4m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 55A

Inclined Crack on Wall No. 4 & Roof of Store 2 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 5.5m. Distance from Wall No.1 = 0.6m, Height from Floor = 0.4m.



Photo 55A

Inclined Crack on Wall No. 4 & Roof of Store 2 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 5.5m. Distance from Wall No.1 = 0.6m, Height from Floor = 0.4m.



Photo 56

Inclined Crack on Wall No. 4 & Roof of Varanda 4 of Navjeevan Chikitsalaya, First Floor Approx. Width = 3mm, Approx. Length = 2.1m. Distance from Wall No.2 = 0.05m, Height from Floor = 3m.



Photo 57

Inclined Crack on Wall No. 2 & Roof of Varanda 7 of Navjeevan Chikitsalaya, First Floor Approx. Width = 2mm, Approx. Length = 5m. Distance from Wall No.3 = 0.6m, Height from Floor = 0m.



Photo 57A

Inclined Crack on Wall No. 2 & Roof of Varanda 7 of Navjeevan Chikitsalaya, First Floor Approx. Width = 2mm, Approx. Length = 5m. Distance from Wall No.3 = 0.6m, Height from Floor = 0m.



Photo 58

Inclined Crack on Wall No. 1 & Roof of Varanda 7 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.35mm, Approx. Length = 5m. Distance from Wall No.3 = 1m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 58A

Inclined Crack on Wall No. 1 & Roof of Varanda 7 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.35mm, Approx. Length = 5m. Distance from Wall No.3 = 1m, Height from Floor = 0m.



Photo 59

Inclined Crack on Roof of Varanda 8 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1.5mm, Approx. Length = 3m. Distance from Wall No.3 = 1.5m, Height from Floor = 4m.



Photo 60

Inclined Crack on Wall No. 3 & Sunshade of Open Sky of Navjeevan Chikitsalaya, First Floor
Approx. Width = 1mm, Approx. Length = 2.5m.
Distance from Wall No 2 = 1.7m Height from Floor = 2.1m



Photo 61

Inclined Crack on Wall No. 2 of Open Sky of Navjeevan Chikitsalaya, First Floor
Approx. Width = 1.5mm, Approx. Length = 2m.
Distance from Wall No 3 = 1.8m Height from Floor = 2m



Photo 62

Horizontal Crack on Sunshade of Open Sky of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.4mm, Approx. Length = 1m. Distance from Wall No.2 & 3 = 0m, Height from Floor = 3.5m.



Photo 63

Inclined Crack on Wall No. 3 & Shade of Open Sky of Navjeevan Chikitsalaya, F/F Approx. Width = 1.5mm, Approx. Length = 1.7m. Distance from Wall No.3 = 0.15m, Height from Floor = 3.5m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 64

Inclined Crack on Wall No. 4 of Room No. 10, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.6mm, Approx. Length = 2.7m. Distance from Wall No.2 = 2.7m, Height from Floor = 1.6m.



Photo 64A

Inclined Crack on Wall No. 4 of Room No. 10, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.6mm, Approx. Length = 2.7m. Distance from Wall No.2 = 2.7m, Height from Floor = 1.6m.



Photo 65

Inclined Crack on Wall No. 4 of Room No. 10, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 3m. Distance from Wall No.2 = 1.8m, Height from Floor = 1m.



Photo 65A

Inclined Crack on Wall No. 4 of Room No. 10, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 3m. Distance from Wall No.2 = 1.8m, Height from Floor = 1m.



Photo 66

Inclined Crack on Wall No. 3 of Hall 1 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.4mm, Approx. Length = 4.2m. Distance from Wall No.2 = 5m, Height from Floor = 0m.

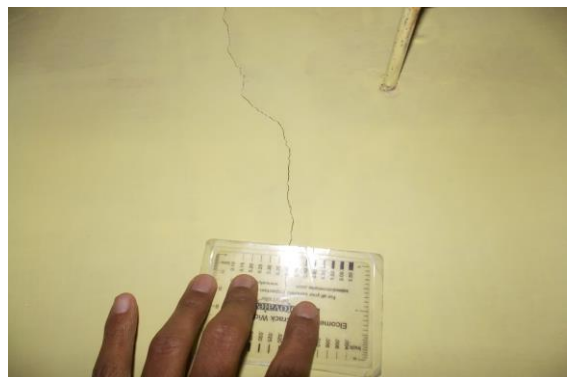


Photo 66A

Inclined Crack on Wall No. 3 of Hall 1 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.4mm, Approx. Length = 4.2m. Distance from Wall No.2 = 5m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



PHOTO 67

Inclined Crack on Wall No. 4 of Room No. 15, Navjeevan Chikitsalaya, First Floor

Approx. Width = 2mm, Approx. Length = 1.6m.
Distance from Wall No 2 = 0.7m Height from Floor = 1m



PHOTO 67A

Inclined Crack on Wall No. 4 of Room No. 15, Navjeevan Chikitsalaya, First Floor

Approx. Width = 2mm, Approx. Length = 1.6m.
Distance from Wall No 2 = 0.7m Height from Floor = 1m



Photo 68

Inclined Crack on Wall No. 3 of Room No. 15, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.4mm, Approx. Length = 1.8m. Distance from Wall No.2 = 0.7m, Height from Floor = 1m.



Photo 68A

Inclined Crack on Wall No. 3 of Room No. 15, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.4mm, Approx. Length = 1.8m. Distance from Wall No.2 = 0.7m, Height from Floor = 1m.



Photo 69

Inclined Crack on Wall No. 1 of Room No. 16, Navjeevan Chikitsalaya, First Floor Approx. Width = 1.5mm, Approx. Length = 1.7m. Distance from Wall No.3 = 0m, Height from Floor = 1.1m.



Photo 69A

Inclined Crack on Wall No. 1 of Room No. 16, Navjeevan Chikitsalaya, First Floor Approx. Width = 1.5mm, Approx. Length = 1.7m. Distance from Wall No.3 = 0m, Height from Floor = 1.1m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 70

Inclined Crack on Wall No. 2 of Tomb 1 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 2m. Distance from Wall No.3 = 0.3m, Height from Floor = 0m.



Photo 70A



Photo 71

Inclined Crack on Wall No. 1 & Roof of Store 4 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1.5mm, Approx. Length = 5m. Distance from Wall No.3 = 2m, Height from Floor = 0m.



Photo 71A

Inclined Crack on Wall No. 1 & Roof of Store 4 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1.5mm, Approx. Length = 5m. Distance from Wall No.3 = 2m, Height from Floor = 0m.



Photo 71A

Inclined Crack on Wall No. 1 & Roof of Store 4 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1.5mm, Approx. Length = 5m. Distance from Wall No.3 = 2m, Height from Floor = 0m.



Photo 72

Inclined Crack on Wall No. 4 of Kitchen of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.6mm, Approx. Length = 2.8m. Distance from Wall No.1 = 2.5m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 72A

Inclined Crack on Wall No. 4 of Kitchen of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.6mm, Approx. Length = 2.8m. Distance from Wall No.1 = 2.5m, Height from Floor = 0m.



Photo 73

Inclined Crack on Wall No. 4 of Varanda 11 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 2m. Distance from Wall No.1 = 0m, Height from Floor = 0m.

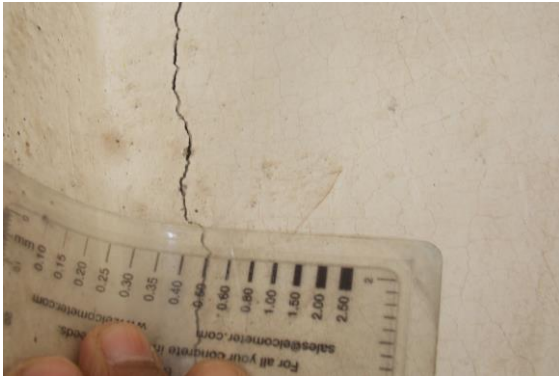


Photo 73A

Inclined Crack on Wall No. 4 of Varanda 11 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 2m. Distance from Wall No.1 = 0m, Height from Floor = 0m.



Photo 74

Inclined Crack on Wall No. 2 of Varanda 12 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 2m. Distance from Wall No.3 = 0.3m, Height from Floor = 0m.



Photo 74A

Inclined Crack on Wall No. 2 of Varanda 12 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 2m. Distance from Wall No.3 = 0.3m, Height from Floor = 0m.



Photo 75

Inclined Crack on Wall No. 4 & Roof of Room No. 17, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 2.3m. Distance from Wall No.1 = 3m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line

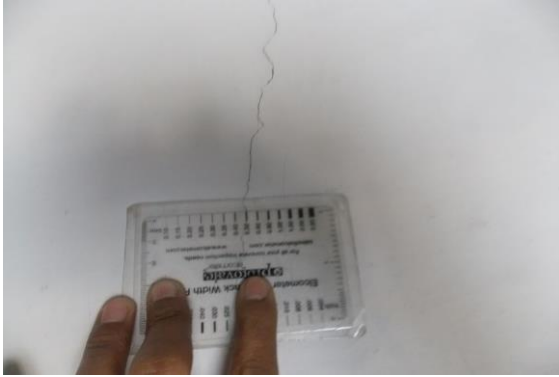


Photo 75A

Inclined Crack on Wall No. 4 & Roof of Room No. 17, Navjeevan Chikitsalaya, First Floor Approx. Width = 0.5mm, Approx. Length = 2.3m. Distance from Wall No.1 = 3m, Height from Floor = 0m.



Photo 76

Inclined Crack on Wall No. 4 of Room No. 17, Navjeevan Chikitsalaya, First Floor Approx. Width = 1mm, Approx. Length = 3.5m. Distance from Wall No.2 = 0m, Height from Floor = 0.8m.



Photo 76A

Inclined Crack on Wall No. 4 of Room No. 17, Navjeevan Chikitsalaya, First Floor Approx. Width = 1mm, Approx. Length = 3.5m. Distance from Wall No.2 = 0m, Height from Floor = 0.8m.



Photo 77

Inclined Crack on Wall No. 2 of Open Sky 3 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 2.8m. Distance from Wall No.4 = 2.5m, Height from Floor = 1.7m.



Photo 77A

Inclined Crack on Wall No. 2 of Open Sky 3 of Navjeevan Chikitsalaya, First Floor Approx. Width = 0.8mm, Approx. Length = 2.8m. Distance from Wall No.4 = 2.5m, Height from Floor = 1.7m.



Photo 78

Inclined Crack on Wall No. 3 of Open Sky 3 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1mm, Approx. Length = 4m. Distance from Wall No.1 = 0m, Height from Floor = 0m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line

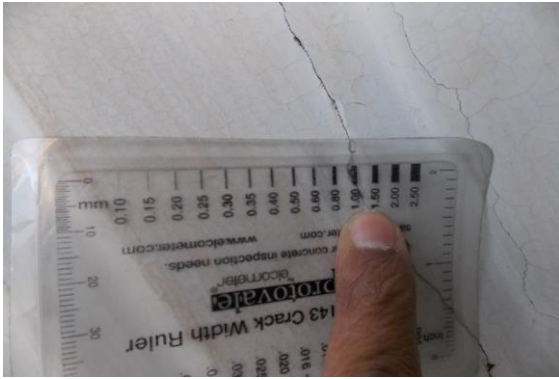


Photo 78A

Inclined Crack on Wall No. 3 of Open Sky 3 of Navjeevan Chikitsalaya, First Floor Approx. Width = 1mm, Approx. Length = 4m. Distance from Wall No.1 = 0m, Height from Floor = 0m.



Photo 79

Inclined Crack on External Faccade, Back Side of Navjeevan Chikitsalaya, G/F Approx. Width = 0.8mm, Approx. Length = 3m. Distance from Right Side Wall = 11m, Height from Floor = 2m.

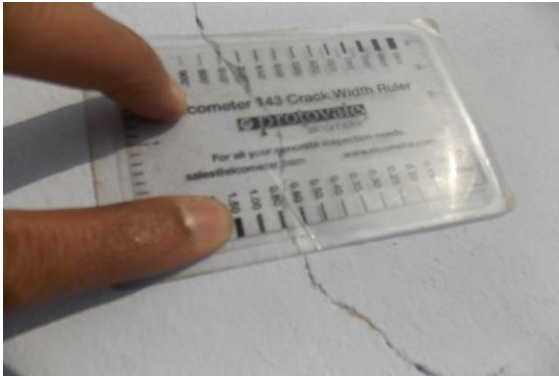


Photo 79A

Inclined Crack on External Faccade, Back Side of Navjeevan Chikitsalaya, Ground Floor Approx. Width = 0.8mm, Approx. Length = 3m. Distance from Right Side Wall = 11m, Height from Floor = 2m.



Photo 80

Inclined Crack on Wall No. 2 of External Faccade, R/S of Navjeevan Chikitsalaya, F/F Approx. Width = 1.5mm, Approx. Length = 3m. Dist. from Wall No.3 = 13m, Height from Floor = 5m.



Photo 81

Inclined Crack on Wall No. 2 of External Faccade, R/S of Navjeevan Chikitsalaya, F/F Approx. Width = 0.8mm, Approx. Length = 2.1m. Dist. from Wall No.3 = 13m, Height from Floor = 4m.



Photo 82

Inclined Crack on Wall No. 2 of External Faccade, R/S of Navjeevan Chikitsalaya, First Floor Approx. Width = 1mm, Approx. Length = 4m. Dist. from Wall No.3 = 6m, Height from Floor = 4m.

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 83

Dampness/Seepage on Wall No. 4 & Roof of Room No. 1 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 84

Dampness/Seepage on Wall No. 2 & 4 of Room No. 1 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 85

Peeling of Plaster on Wall No. 2 & 4 of Room No. 1 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 86

Dampness/Seepage on Wall No. 2, 4 & Roof of Room No. 1 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 87

Dampness/Seepage on Wall No. 2, 3 & Roof of Room No. 1 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 88

Dampness/Seepage on Wall No. 1 of Room No. 1 of Part A of Navjeevan Chikitsalaya, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 89

Dampness/Seepage on Wall No. 4 of Room No. 1 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 90

Dampness/Seepage on Wall No. 4 & Roof of Room No. 2 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 91

Peeling of Plaster on Wall No. 2 of Room No. 2 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 92

Dampness/Seepage on Wall No. 1, 3, 4 & Roof of Room No. 2 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 93

Peeling of Plaster on Wall No. 2 & 4 of Room No. 2 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 94

Dampness/Seepage on Wall No. 1 of Room No. 2 of Part A of Navjeevan Chikitsalaya, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 95
Dampness/Seepage on Wall No. 2 of Room No. 3 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 96
Dampness/Seepage on Wall No. 1 & 3 of Room No. 4 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 97
Peeling of Plaster on Wall No. 4 of Open Area 1 of Navjeevan Chikitsalaya of Ground Floor



Photo 98
Peeling of Plaster on Wall No. 4 of Open Area 1 of Navjeevan Chikitsalaya of Ground Floor



Photo 99
Dampness/Seepage on Wall No. 1, 4 & Roof of Room No. 9 of Part D of Navjeevan Chikitsalaya, Ground Floor



Photo 100
Dampness/Seepage on Wall No. 2 of Passage 2 of Navjeevan Chikitsalaya of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 101

Peeling of Plaster on Wall No. 4 of Room No. 8 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 102

Peeling of Plaster on Wall No. 3 & 4 of Room No. 8 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 103

Dampness/Seepage on Wall No. 4 of Room No. 8 of Part B of Navjeevan Chikitsalaya, Ground Floor



Photo 104

Dampness/Seepage on Wall No. 2 of Room No. 8 of Part B of Navjeevan Chikitsalaya, Ground Floor



Photo 105

Dampness/Seepage on Wall No. 2 of Room No. 12 of Part A of Navjeevan Chikitsalaya, Ground Floor



Photo 106

Peeling of Plaster on Wall No. 2 & 4 of Room No. 12 of Part B of Navjeevan Chikitsalaya, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 107

Peeling of Plaster on Wall No. 1 & 3 of Room No. 12 of Part B of Navjeevan Chikitsalaya, Ground Floor



Photo 108

Dampness/Seepage on Wall No. 2 & 4 of Room No. 11 of Navjeevan Chikitsalaya, Ground Floor



Photo 109

Dampness/Seepage on Wall No. 3 of Stair Case of Navjeevan Chikitsalaya of Ground Floor



Photo 110

Dampness/Seepage on Wall No. 3 of Open Varanda of Navjeevan Chikitsalaya of Ground Floor



Photo 111

Dampness/Seepage on Wall No. 3 of Open Varanda of Navjeevan Chikitsalaya of Ground Floor



Photo 112

Dampness/Seepage on Wall No. 3 & Roof of Open Varanda of Navjeevan Chikitsalaya of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 113

Dampness/Seepage on Wall No. 1 & 4 of Open Varanda of Navjeevan Chikitsalaya of Ground Floor



Photo 114

Peeling of Plaster on Wall No. 3 & Roof of Part-B of Shop of Navjeevan Chikitsalaya of Ground Floor



Photo 115

Dampness/Seepage on Wall No. 2 & 3 of Room No. 13 of Navjeevan Chikitsalaya, Ground Floor

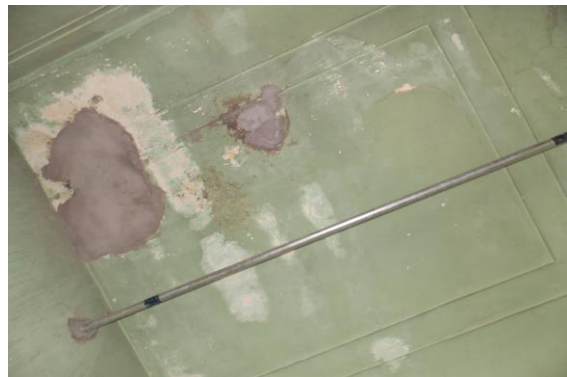


Photo 116

Peeling of Plaster on Roof of Room No. 2 of Navjeevan Chikitsalaya, First Floor



Photo 117

Dampness/Seepage on Wall No. 2 of Room No. 2 of Navjeevan Chikitsalaya, First Floor



Photo 118

Peeling of Plaster on Roof of Room No. 1 of Navjeevan Chikitsalaya, Mezanine Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 119

Peeling of Plaster on Roof of Room No. 1 of Navjeevan Chikitsalaya, Mezanine Floor



Photo 120

Peeling of Plaster on Wall No. 2 of Room No. 1 of Navjeevan Chikitsalaya, Mezanine Floor



Photo 121

Dampness/Seepage on Wall No. 3 of Room No. 1 of Navjeevan Chikitsalaya, Mezanine Floor



Photo 122

Plaster Crack on Wall No. 1 of Store Room of Navjeevan Chikitsalaya of First Floor



Photo 123

Peeling of Plaster on Wall No. 3 of Passage 1 of Navjeevan Chikitsalaya of First Floor



Photo 124

Peeling of Plaster on Wall No. 1 & 3 of Passage 1 of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 125

Peeling of Plaster on Wall No. 4 of Passage 1 of Navjeevan Chikitsalaya of First Floor



Photo 126

Peeling of Plaster on Roof of Passage 1 of Navjeevan Chikitsalaya of First Floor



Photo 127

Peeling of Plaster on Wall No. 2 & 3 of Passage 1 of Navjeevan Chikitsalaya of First Floor



Photo 128

Peeling of Plaster on Wall No. 1 of Passage 1 of Navjeevan Chikitsalaya of First Floor



Photo 129

Dampness/Seepage on Roof of Lobby of Navjeevan Chikitsalaya of First Floor



Photo 130

Peeling of Plaster on Roof of Varanda 1 of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 131

Peeling of Plaster on Wall No. 2 of Varanda 3 of Navjeevan Chikitsalaya of First Floor



Photo 132

Peeling of Plaster on Wall No. 2 of Varanda 3 of Navjeevan Chikitsalaya of First Floor



Photo 133

Dampness/Seepage on Roof of Varanda 2 of Navjeevan Chikitsalaya of First Floor



Photo 134

Plaster Crack on Roof of Varanda 3 of Navjeevan Chikitsalaya of First Floor



Photo 135

Dampness/Seepage on Roof of Room No. 6 of Navjeevan Chikitsalaya, First Floor



Photo 136

Plaster Crack on Roof of Room No. 6 of Navjeevan Chikitsalaya, First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 137

Plaster Crack on Floor of Room No. 6 of Navjeevan Chikitsalaya, First Floor



Photo 138

Plaster Crack on Wall No. 1 of Store 3 of Navjeevan Chikitsalaya of First Floor

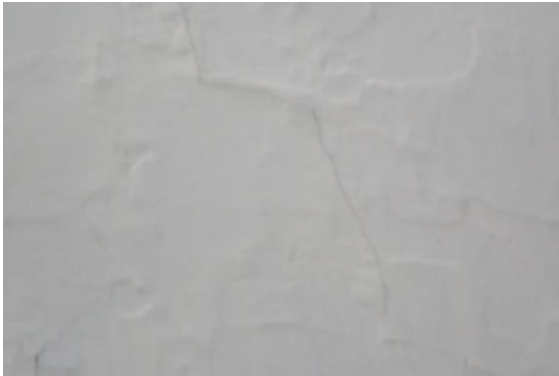


Photo 139

Plaster Crack on Roof of Varanda 4 of Navjeevan Chikitsalaya of First Floor



Photo 140

Peeling of Plaster on Roof of Varanda 4 of Navjeevan Chikitsalaya of First Floor



Photo 141

Plaster Crack on Wall No. 1 of Varanda 5 of Navjeevan Chikitsalaya of First Floor



Photo 142

Dampness/Seepage on Wall No. 1 of Varanda 6 of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 143

Peeling of Plaster on Roof of Varanda 6 of Navjeevan Chikitsalaya of First Floor



Photo 144

Damaged Portion on Wall No. 1 of Varanda 7 of Navjeevan Chikitsalaya of First Floor



Photo 145

Peeling of Plaster on Roof of Varanda 7 of Navjeevan Chikitsalaya of First Floor



Photo 146

Peeling of Plaster on Wall No. 1 of Varanda 7 of Navjeevan Chikitsalaya of First Floor



Photo 147

Peeling of Plaster on Roof of Stair Case 3 of Navjeevan Chikitsalaya of First Floor



Photo 148

Peeling of Plaster on Wall No. 4 of Varanda 8 of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 149

Dampness/Seepage on Roof of Varanda 8 of Navjeevan Chikitsalaya of First Floor



Photo 150

Peeling of Plaster on Roof of Varanda 8 of Navjeevan Chikitsalaya of First Floor



Photo 151

Peeling of Plaster on Wall No. 2 of Varanda 8 of Navjeevan Chikitsalaya of First Floor



Photo 152

Peeling of Plaster on Floor of Varanda 8 of Navjeevan Chikitsalaya of First Floor



Photo 153

Damaged Portion on Roof of Varanda 9 of Navjeevan Chikitsalaya of First Floor



Photo 154

Plaster Crack on Roof of Varanda 9 of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 155

Peeling of Plaster on Wall No. 1 of Varanda 9 of Navjeevan Chikitsalaya of First Floor



Photo 156

Peeling of Plaster on Wall No. 4 of Varanda 9 of Navjeevan Chikitsalaya of First Floor



Photo 157

Damaged Portion on Wall No. 3 of Open Sky of Navjeevan Chikitsalaya of First Floor



Photo 158

Damaged Portion on Wall No. 2 of Open Sky of Navjeevan Chikitsalaya of First Floor

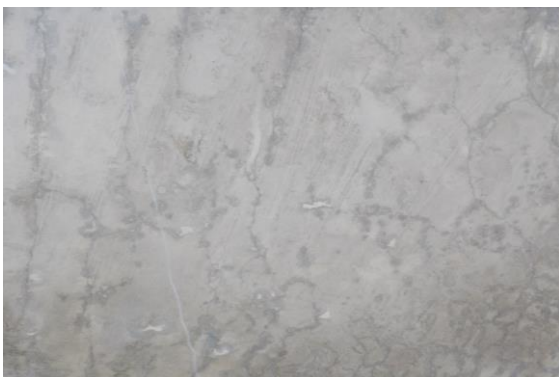


Photo 159

Dampness/Seepage on Wall No. 1 & Sunshade of Open Sky of Navjeevan Chikitsalaya of First Floor



Photo 160

Dampness/Seepage on Roof of Room No. 9 of Navjeevan Chikitsalaya, First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 161

Dampness/Seepage on Wall No. 4 & Roof of Room No. 10 of Navjeevan Chikitsalaya, First Floor



Photo 162

Peeling of Plaster on Wall No. 3 of Room No. 10 of Navjeevan Chikitsalaya, First Floor



Photo 163

Dampness/Seepage on Roof of Hall 1 of Navjeevan Chikitsalaya of First Floor



Photo 164

Peeling of Plaster on Roof of Hall 2 of Navjeevan Chikitsalaya of First Floor



Photo 165

Plaster Crack on Wall No. 4 of Hall 2 of Navjeevan Chikitsalaya of First Floor



Photo 166

Peeling of Plaster on Roof of Room No. 15 of Navjeevan Chikitsalaya, First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 167
Peeling of Plaster on Wall No. 1 of Room No. 15 of Navjeevan Chikitsalaya, First Floor



Photo 168
Peeling of Plaster on Wall No. 4 of Room No. 15 of Navjeevan Chikitsalaya, First Floor



Photo 169
Dampness/Seepage on Wall No. 4 & Roof of Room No. 16 of Navjeevan Chikitsalaya, First Floor



Photo 170
Dampness/Seepage on Wall No. 3 & Roof of Room No. 16 of Navjeevan Chikitsalaya, First Floor



Photo 171
Peeling of Plaster on Wall No. 2 of Room No. 16 of Navjeevan Chikitsalaya, First Floor



Photo 172
Damaged Portion on Wall No. 3, 4 & Roof of Room No. 18 of Navjeevan Chikitsalaya, First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 173

Damaged Portion on Wall No. 3, 4 & Roof of Room No. 18 of Navjeevan Chikitsalaya, First Floor



Photo 174

Peeling of Plaster on Wall No. 4 of Room No. 18 of Navjeevan Chikitsalaya, First Floor



Photo 175

Peeling of Plaster on Wall No. 1 of Tomb 1 of Navjeevan Chikitsalaya of First Floor



Photo 176

Damaged Portion on Wall No. 4 & Roof of Store 4 of Navjeevan Chikitsalaya of First Floor



Photo 177

Peeling of Plaster on Roof of Kitchen of Navjeevan Chikitsalaya of First Floor



Photo 178

Peeling of Plaster on Roof of Varanda 11 of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 179
Peeling of Plaster on Wall No. 1 of Varanda 11 of Navjeevan Chikitsalaya of First Floor



Photo 180
Damaged Portion on Wall No. 2 of Varanda 11 of Navjeevan Chikitsalaya of First Floor



Photo 181
Plaster Crack on Floor of Varanda 10 of Navjeevan Chikitsalaya of First Floor



Photo 182
Peeling of Plaster on Wall No. 3 of Varanda 10 of Navjeevan Chikitsalaya of First Floor



Photo 183
Plaster Crack on Wall No. 2 of Varanda 10 of Navjeevan Chikitsalaya of First Floor



Photo 184
Plaster Crack on Floor of Varanda 12 of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 185

Peeling of Plaster on Wall No. 2 of Room No. 17 of Navjeevan Chikitsalaya, First Floor



Photo 186

Plaster Crack on Floor of Room No. 17 of Navjeevan Chikitsalaya, First Floor



Photo 187

Plaster Crack on Wall No. 3 of Open Sky 3 of Navjeevan Chikitsalaya of First Floor



Photo 188

Dampness/Seepage on Wall No. 4 & Roof of Temple of Navjeevan Chikitsalaya of Ground Floor



Photo 189

Dampness/Seepage on Wall No. 3 & Roof of Varanda 2 of Navjeevan Chikitsalaya of Ground Floor



Photo 190

Plaster Crack on Roof of Passage 1 of Navjeevan Chikitsalaya of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 191

Peeling of Plaster on of External Faccade,Back Side of Navjeevan Chikitsalaya of Ground Floor



Photo 192

Dampness/Seepage on Sunshade of External Faccade,Back Side of Navjeevan Chikitsalaya of Ground Floor



Photo 193

Damaged Portion on Sunshade of External Faccade,Back Side of Navjeevan Chikitsalaya of First Floor



Photo 194

Peeling of Plaster on Back Side Wall of External Faccade,Back Side of Navjeevan Chikitsalaya of First Floor



Photo 195

Damaged Portion on Back Side Wall of External Faccade,Back Side of Navjeevan Chikitsalaya of Ground Floor



Photo 196

Peeling of Plaster on Sunshade of External Faccade,Back Side of Navjeevan Chikitsalaya of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 197

Peeling of Plaster on Sunshade of External Faccade,Back Side of Navjeevan Chikitsalaya of Second Floor



Photo 198

Peeling of Plaster on Back Side Wall of External Faccade,Back Side of Navjeevan Chikitsalaya of Terrace



Photo 199

Damaged Portion on Back Side Wall of External Faccade,Back Side of Navjeevan Chikitsalaya of Terrace



Photo 200

Peeling of Plaster on Sunshade of External Faccade,Right Side of Navjeevan Chikitsalaya of First Floor



Photo 201

Peeling of Plaster on Sunshade of External Faccade,Right Side of Navjeevan Chikitsalaya of First Floor



Photo 202

Peeling of Plaster on Sunshade of External Faccade,Right Side of Navjeevan Chikitsalaya of First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 203

Damaged Portion on Sunshade of External Faccade, Right Side of Navjeevan Chikitsalaya of Ground Floor



Photo 204

Damaged Portion on Sunshade of External Faccade, Right Side of Navjeevan Chikitsalaya of Ground Floor



Photo 205

Damaged Portion on Sunshade of External Faccade, Right Side of Navjeevan Chikitsalaya of Ground Floor



Photo 206

Dampness/Seepage on Roof of Varanda 13 of Navjeevan Chikitsalaya of First Floor



Photo 207

Peeling of Plaster on Wall No. 4 of Lobby of Navjeevan Chikitsalaya of First Floor



Photo 208

Peeling of Plaster on Wall No. 1 of Toilet No. 1 of Navjeevan Chikitsalaya, First Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 209

Peeling of Plaster on Roof of Hall 3 of Navjeevan Chikitsalaya of First Floor



Photo 210

All Wall of Bathroom of Navjeevan Chikitsalaya, Ground Floor Covered With Tiles



Photo 211

All Wall of Toilet No. 1 of Navjeevan Chikitsalaya, Ground Floor Covered With Tiles

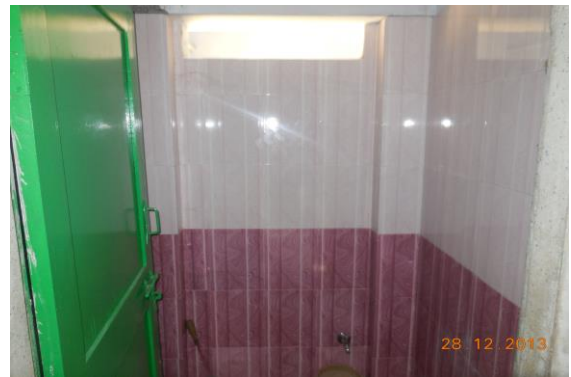


Photo 212

All Wall of Toilet No. 2 of Navjeevan Chikitsalaya, Ground Floor Covered With Tiles



Photo 213

Bathroom of Navjeevan Chikitsalaya, Ground Floor Covered With Tiles



Photo 214

Wall No. 4 of Shop of Navjeevan Chikitsalaya of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 215

Wall No. 1 & 4 of Shop of Navjeevan Chikitsalaya of Ground Floor Covered With Material



Photo 216

Wall No. 1 & 4 of Shop of Navjeevan Chikitsalaya of Ground Floor Covered With Material



Photo 217

Room No. 1 of Navjeevan Chikitsalaya, First Floor LOCKED



Photo 218

Room No. 4 of Navjeevan Chikitsalaya, First Floor LOCKED



Photo 219

Room No. 3 of Navjeevan Chikitsalaya, First Floor LOCKED



Photo 220

Temple of Navjeevan Chikitsalaya of First Floor LOCKED

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 221

Room No. 7 of Navjeevan Chikitsalaya, First Floor LOCKED



Photo 222

Room No. 8 of Navjeevan Chikitsalaya, First Floor LOCKED



Photo 223

Room No. 11 of Navjeevan Chikitsalaya, First Floor LOCKED



Photo 224

Room No. 13 of Navjeevan Chikitsalaya, First Floor LOCKED

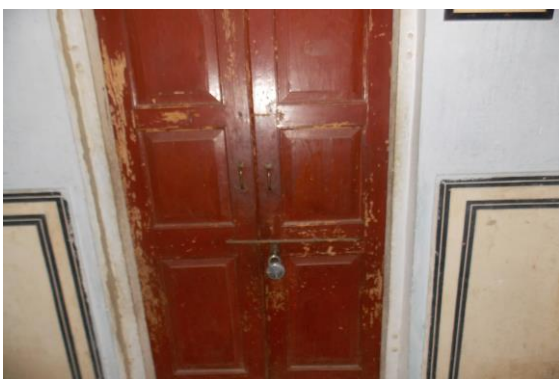


Photo 225

Room No. 14 of Navjeevan Chikitsalaya, First Floor LOCKED



Photo 226

Temple of Navjeevan Chikitsalaya of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 227
Garrage 1 of Navjeevan Chikitsalaya of Ground Floor



Photo 228
Garrage 2 of Navjeevan Chikitsalaya of Ground Floor



Photo 229
Hall 1 of Navjeevan Chikitsalaya of Ground Floor



Photo 230
Hall 2 of Navjeevan Chikitsalaya of Ground Floor



Photo 231
All Wall of Toilet No. 1 of Navjeevan Chikitsalaya, First Floor Covered With Tiles



Photo 232
All Wall of Toilet No. 2 of Navjeevan Chikitsalaya, First Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations From Chandpole to Bari Chouper and reversal line



Photo 233

Wall No. 1, 2 & 4 of Hall 3 of Navjeevan Chikitsalaya of First Floor
Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shoping Complex
Ramganj Market
Jaipur
Unique ID: BC RA DN 0073

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0073/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Single Story Load Bearing Structure . The structure was constructed in year 1850 and is 163 years old.

There are 1 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	0	0%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0073/1 RS			
BC-RA-DL/0073/2 RS			
BC-RA-DL/0073/3 RS			
BC-RA-DL/0073/4 RS			
BC-RA-DL/0073/5 RS			
BC-RA-DL/0073/6 RS			
BC-RA-DL/0073/7 RS			
BC-RA-DL/0073/8 RS			
BC-RA-DL/0073/9 RS			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shoping Complex
2	Building Address	Shoping Complex Ramganj Market Jaipur
3	Year of Construction	1850
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	163 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof Shop No.4,Part C Ground Floor	Dampness/Seepage	12

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Wall Shop No.1 Ground Floor	Covered With Material	13
2	Wall No. 1 & 4 Shop No.2 Ground Floor	Covered With Material	14
3	Wall No. 1 & 4 Shop No.2 Ground Floor	Covered With Material	15
4	Wall No. 2 & 4 Shop No.2 Ground Floor	Covered With Material	16
5	All Wall Shop No.5 Ground Floor	Covered With Material	17
6	Roof Shop No.5 Ground Floor	Tinshed	18
7	All Wall Shop No.6,Part C Ground Floor	Covered With Marble	19
8	All Wall Shop No.6,Part C Ground Floor	Covered With Marble	20
9	All Wall Shop No.6,Part C Ground Floor	Covered With Material	21
10	All Wall Shop No.8 Ground Floor	Covered With Material	22
11	All Wall Shop No.3 Ground Floor	Covered With Material	23
12	Roof Shop No.3 Ground Floor	Tin Shade	24
13	All Wall Shop No.4,Part A Ground Floor	Covered With Material	25
14	All Wall Shop No.4,Part C Ground Floor	Covered With Material	26
15	Shop No.4,Part E Ground Floor	Locked	27

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
Front View of Shop No.1



Photo 2
Front View of Shop No.2, Ground Floor



Photo 3
Front View of Shop No.5, Ground Floor



Photo 4
Front View of Shop No.6, Ground Floor



Photo 5
Front View of Shop No.7, Ground Floor



Photo 6
General View Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
Front View of Shop No.8, Ground Floor



Photo 8
Front View of Shop No.9, Ground Floor



Photo 9
General View of Ground Floor



Photo 10
Front View of Shop No.3, Ground Floor



Photo 11
Front View of Shop No.4, Ground Floor



Photo 12
Dampness/Seepage on Roof of Shop No.4, Part C of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

All Wall of Shop No.1 of Ground Floor Covered With Material



Photo 14

Wall No. 1 & 4 of Shop No.2 of Ground Floor Covered With Material



Photo 15

Wall No. 1 & 4 of Shop No.2 of Ground Floor Covered With Material



Photo 16

Wall No. 2 & 4 of Shop No.2 of Ground Floor Covered With Material



Photo 17

All Wall of Shop No.5 of Ground Floor Covered With Material



Photo 18

Roof of Shop No.5 of Ground Floor Tinsed

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

All Wall of Shop No.6,Part C of Ground Floor Covered With Marble



Photo 20

All Wall of Shop No.6,Part C of Ground Floor Covered With Marble



Photo 21

All Wall of Shop No.6,Part C of Ground Floor Covered With Material



Photo 22

All Wall of Shop No.8 of Ground Floor Covered With Material



Photo 23

All Wall of Shop No.3 of Ground Floor Covered With Material



Photo 24

Roof of Shop No.3 of Ground Floor Tin Shade

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25

All Wall of Shop No.4,Part A of Ground Floor Covered With Material



Photo 26

All Wall of Shop No.4,Part C of Ground Floor Covered With Material



Photo 27

Shop No.4,Part E of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Radha Govind Complex
Mani Ram Ji Ki Kothi, Ramganj Bazaar
Jaipur
Unique ID: BC RA dn 0074

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0074/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	27/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story RCC Framed Structure having 3 floors and a basement. The structure was constructed in year 2005 and is 8 years old.

There are 60 defects in the structure out of which 21 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	18	85.71%
Slight (1 to 5mm)	2	9.52%
Moderate (5 to 15mm)	1	4.76%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.78mm and average length of cracks is 2.39m. The maximum crack width is 5mm and minimum width is 0.2mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0074/01	Jyoti Collection, G-39		
BC-RA/DL/0074/02	Radha Govind		
BC-RA/DL/0074/03	Mukund Handicrafts		
BC-RA/DL/0074/04	No Specific Name		
BC-RA/DL/0074/05	Amrapur Collection		
BC-RA/DL/0074/06	Vaheguru Collection		
BC-RA/DL/0074/07	Shri Shidhivinayak Fancy Store		
BC-RA/DL/0074/08	G.S. Jewellers		
BC-RA/DL/0074/09	K.K. Jewellers		
BC-RA/DL/0074/10	Fashion bangles, Shop No. 396		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultants JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Radha Govind Complex
2	Building Address	Radha Govind Complex Mani Ram Ji Ki Kothi, Ramganj Bazaar Jaipur
3	Year of Construction	2005
4	Number of Floors	G+2
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	8 years
10	Type of Structure	RCC
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A.
14	Roadways	One Side
15	Presence of Equipment/Machines	None



Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Part -II of Shop No.27 & 36 Second Floor	Horizontal	3	2.5	Slight	107
2	Wall No. 2 Part -II of Shop No.27 & 36 Second Floor	Vertical	5	2.3	Moderate	108, 108A
3	Wall No. 1 Part -II of Shop No.27 & 36 Second Floor	Vertical	1	2.3	Slight	109, 109A
4	Wall No. 1 Shop No.26 & 37 Second Floor	Horizontal	0.35	5	Very Slight	110
5	Wall No. 4 Shop No.26 Second Floor	Inclined	0.4	2.5	Very Slight	111
6	Wall No. 1 Shop No.37 Second Floor	Horizontal	0.4	3.2	Very Slight	112
7	Floor Shop No.S-25 Second Floor	Horizontal	0.8	0	Very Slight	113
8	Shop No.12 Second Floor	Inclined	0.5	2.5	Very Slight	114
9	Shop No.12 Second Floor	Vertical	0.4	2.4	Very Slight	115
10	Shop No.12 Second Floor	Horizontal	0.5	2.4	Very Slight	116
11	Wall No. 4 Shop No.14 Second Floor	Inclined	0.25	0.65	Very Slight	117
12	Roof Varanda, Shop No.S-22 Second Floor	Horizontal	0.5	2	Very Slight	118
13	Wall No. 1 & 4 Staircase GF to FF Second Floor	Vertical	0.5	0.6	Very Slight	119, 119A
14	Wall No. 4 Shop No. F 48 First Floor	Inclined	0.3	1.5	Very Slight	120, 120A
15	Wall No. 1 & 4 Part A Shop No. F 26, First Floor	Horizontal	0.5	2	Very Slight	121
16	Wall No. Beam Part A & B Shop No. F 23, First Floor	Horizontal	0.2	10	Very Slight	122
17	Wall No. 4 Part A Shop No. F 23, First Floor	Inclined	0.5	0.35	Very Slight	123
18	Wall No. 1 Shop No. F 22 First Floor	Horizontal	0.3	5	Very Slight	124
19	Wall No. 1 Shop No. F 23 First Floor	Vertical	0.25	2.4	Very Slight	125
20	Wall No. 1 Shop No. F 8 First Floor	Inclined	0.5	0.3	Very Slight	126
21	Wall No. 1 Shop No. F 13 First Floor	Vertical	0.25	0.25	Very Slight	127, 127A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
22	Roof Varanda of Shop No.37 Second Floor	Dampness/Seepage	128
23	Roof Varanda of Shop No.25 Second Floor	Dampness/Seepage	129
24	Tiles crack & 5 Toilet No. 1 Shop No.S-19, Second Floor	Peeling of Plaster	130
25	Wall No. 1 Shop No.S-9 Second Floor	Dampness/Seepage	131
26	Wall No. 4 shop No.2 & 1 Second Floor	Peeling of Plaster	132
27	Wall No. 1 & 4 Shop No.12 Second Floor	Peeling of Plaster	133
28	Wall No. 3, 2 & Roof Shop No.12 Second Floor	Dampness/Seepage	134
29	Roof Shop No.12 Second Floor	Peeling of Plaster	135
30	Roof Passage, Shop No.12 Second Floor	Dampness/Seepage	136
31	Roof Passage, Shop No.12 Second Floor	Dampness/Seepage	137
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22	Wall No. 1 Shop No.S-8 Second Floor	Covered with Material	188
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84	All Walls Part B Shop No. F 25, First Floor	Covered with Material	250
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136	Wall No. 2 Shop No. S 2 Upper Ground Floor	Covered With Material	302
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139	Roof Shop No. S 2 Upper Ground Floor	Covered With Falls Ceiling	305
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181	Wall No. 2 & 4 Shop No. 17 Ground Floor	Covered With Material	347
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187	Roof Shop No. 16 Ground Floor	Covered With Falls Ceiling	353
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204	Wall No. 2 & 4 Shop No. G 21 Ground Floor	Covered With Material	370
205	Wall No. 1 & 4 Shop No. G 21 Ground Floor	Covered With Material	371
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207	Floor Shop No. G 21 Ground Floor	Covered with Tiles	373
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211	Floor Shop No. G 29A Ground Floor	Covered with Tiles	377
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231	Roof Amarpur Collection Ground Floor	Covered with False Ceiling	397
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233	Wall No. 1 Kaladeep Collection Ground Floor	Covered with Material	399
234	Roof Kaladeep Collection Ground Floor	Covered with Wood	400

235	Floor Kaladeep Collection Ground Floor	Covered with Tiles	401
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243	Roof Sharma Gota Works Ground Floor	Covered with Wood	409
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245	Shop No. G 36 Ground Floor	Locked	411
246	Shop No. G 35 Ground Floor	Locked	412
247	Shop No. G 35 Ground Floor	Locked	413
248	Mukund Handicrafts Ground Floor	Locked	414
249	G.D.Jewellers Ground Floor	Locked	415
250	Suhag Ghar Ground Floor	Locked	416
251	Trilok Khandelwal Ground Floor	Locked	417
252	Trilok Khandelwal Ground Floor	Locked	418
253	Wall No. 2 Moon Creatar Ground Floor	Covered with Material	419
254	Wall No. 1 & 4 Moon Creatar Ground Floor	Covered with Material	420
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256	Floor Moon Creatar Ground Floor	Covered with Tiles	422
257	Wall No. 1 & 4 G.S.Jewellers Ground Floor	Covered with Material	423
258	Wall No. 1 G.S.Jewellers Ground Floor	Covered with Glass	424
259	Roof G.S.Jewellers Ground Floor	Covered with False Ceiling	425
260	K.K.Traders Ground Floor	Locked	426
261	Shop No. G 4 Ground Floor	Locked	427
262	Shree Shyam Sales Ground Floor	Locked	428
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265	Wall No. 2 Harsh Jewellers Ground Floor	Covered with Material	431
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268	Roof Harsh Jewellers Ground Floor	Covered with False Ceiling	434
269	Wall No. 2 & 4 Harsh Jewellers Upper Ground Floor	Covered with Material	435
270	Wall No. 2 R.K.Fabs Ground Floor	Covered with Material	436
271	Wall No. 1 R.K.Fabs Ground Floor	Covered with Material	437
272	Wall No. 4 R.K.Fabs Ground Floor	Covered with Material	438
273	Wall No. 2 & 4 R.K.Fabs Upper Ground Floor	Covered with Material	439
274	Floor R.K.Fabs Ground Floor	Covered with Tiles	440

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1
View of radha Gobind Shopping Complex



Photo 2
View of shop Krishna Creation, Second Floor



Photo 3
View of Shop, Second Floor



Photo 4
View of Shop Alla Creation, Second Floor



Photo 5
View of shop, Second Floor



Photo 6
View of Shop, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7
View of Shop No. 37, Second Floor



Photo 8
View of Shop Om Sai Emporium, Second Floor



Photo 9
View of Shop Shivam Saree Emporium, Second Floor



Photo 10
View of Lakshay saree, Second Floor



Photo 11
View of Shop, Second Floor



Photo 12
View of Shop, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13
Locked, Second Floor



Photo 14
View of Shop Radha Gobind Fashion, Second Floor



Photo 15
View of Shop Radha Gobind Fashion, Second Floor



Photo 16
View of shop Sh Gopal sarees, Second Floor



Photo 17
View of Shop, Second Floor



Photo 18
, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19
View of Shop, Second Floor



Photo 20
View of shop Swastik Agency, Second Floor



Photo 21
View of shop, Second Floor



Photo 22
View of Shop, Second Floor



Photo 23
View of Mahaveer Creation, Second Floor



Photo 24
View of radha Gobind Shopping Complex, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25
View of radha Gobind Shopping Complex, Ground Floor



Photo 26
View of Shop No. F 32 & 33, First Floor



Photo 27
Covered with Wooden Partition, First Floor



Photo 28
Covered with Wooden Partition, First Floor



Photo 29
View of Shop No. 36 Karni Kripa Fabs, First Floor



Photo 30
View of Shop No. 36, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31
View of Shop No. F 46 Paradise Fashion, First Floor



Photo 32
View of Shop No. F 47 & 48 Rishi Fashion, First Floor



Photo 33
View of Shop No. F 48, First Floor



Photo 34
View of Shop No. F 49 Rishi Fashion, First Floor



Photo 35
View of Shop No. F 49 Rishi Fashion, First Floor



Photo 36
View of Shop No. F 28 & 29 Rani Creation, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 37

View of Shop No. F 26 Krishna Fashion, First Floor



Photo 38

View of Shop No. F 25, First Floor



Photo 39

View of Shop No. F 24 Modi Jems, First Floor



Photo 40

View of Shop Part A, Shop No. F 24, First Floor



Photo 41

View of Shop No. F 23 Mohini Matching, First Floor



Photo 42

View of Shop No. F 23 Mohini Matching, Shop No. F 23, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 43
View of Shop No. F 22 Roop Rani, First Floor



Photo 44
View of Shop No. F 16, 17 & 18 Mittal Fashion, First Floor

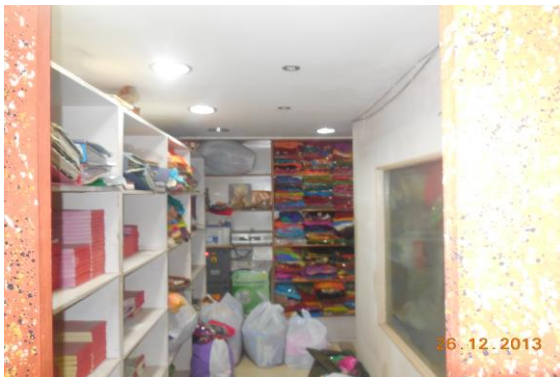


Photo 45
View of Shop wooden Partition, First Floor



Photo 46
View of Shop No. F 9 Singhal Sarees, First Floor



Photo 47
View of Shop No. F 8 Aggarwal Fashion, First Floor



Photo 48
View of Shop No. F 7 Suhagan Sarees, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 49
View of Shop No. F 6, First Floor



Photo 50
View of shop No. F 5 Piyush Creation, First Floor



Photo 51
View of Shop No. F 4 Shree Gopal Fashion, First Floor



Photo 52
View of Shop No. F 3 Siddhi Vinayak, First Floor



Photo 53
View of Shop No. F 2 Kailash Fabrics, First Floor



Photo 54
View of Shop No. 10 A Ambey sarees, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 55
View of Shop No. 10 Sai Fashion, First Floor



Photo 56
View of Shop No. F 12 Shri Bala Ji Sarees, First Floor



Photo 57
View of Shop No. F 13 Aggarwal Creations, First Floor



Photo 58
View of Shop No. F 15 Aggarwal Creation, First Floor



Photo 59
View of Shop No. F 13 Fine Gems, First Floor



Photo 60
View of Shop No. F 1 Mohit Fabrics, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 61
View of Radha Gobind Shopping Complex, Basement



Photo 62
View of Passage, Basement



Photo 63
View of Peer Baba Mazar, Basement



Photo 64
View of D.G.Set, Basement



Photo 65
View of D.G.Set, Basement



Photo 66
View of Electric Panel, Basement

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 67
View of Basement, Basement



Photo 68
View of Basement, Basement



Photo 69
View of Lift Area, Basement



Photo 70
View of Shop No.360, Ground Floor



Photo 71
View of Divyanshee Collection, Ground Floor



Photo 72
View of Shop No.G-34, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 73
View of Shop No.31, Ground Floor



Photo 74
View of Om Raj Rajeshwari Jewellers, Ground Floor

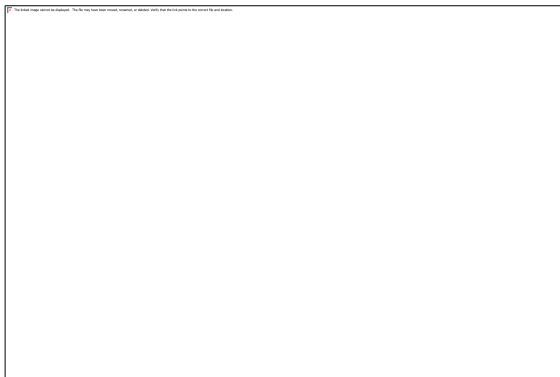


Photo 75
View of Krishan Kala Collection, Ground Floor



Photo 76
View of Krishan Kala Collection, Ground Floor



Photo 77
View of Aashirvaad Footwear, Ground Floor



Photo 78
View of Aashirvaad Footwear, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 79

View of Shop No.G-6 & 7 Fashion Gallery, Ground Floor



Photo 80

View of Wooden Partition, Ground Floor



Photo 81

View of Shop No.G-22 M.R.Fashion, Ground Floor



Photo 82

View of Shop No.11,12 & 13, Ground Floor



Photo 83

View of Shop No.G-9 Choudhary Fashion Jewellery, Ground Floor



Photo 84

View of Shop Rajoria Creation, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 85

View of Shop No.G-17 Shiva Creation, Ground Floor



Photo 86

View of Shop No.G-16 Choice Collection, Ground Floor



Photo 87

View of Shop No.G-14 & 14 A Farmaan Collection, Ground Floor



Photo 88

View of Shop No.G-23 to26 Om Raj Rajeshwari Jewellers, Ground Floor



Photo 89

View of Shop No.G-23 to26 Om Raj Rajeshwari Jewellers, Ground Floor



Photo 90

View of Shop No. G-15 Palika Bazar , Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 91

View of Shop No. G-21 Satguru Collection, Ground Floor



Photo 92

View of Shop No. G-29A Shiv Fancy Store, Ground Floor



Photo 93

View of Jai Ambey Sandil Store, Ground Floor



Photo 94

, Ground Floor



Photo 95

, Ground Floor



Photo 96

, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 97
, Ground Floor



Photo 98
, Ground Floor



Photo 99
, Ground Floor



Photo 100
, Ground Floor



Photo 101
, Ground Floor



Photo 102
, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 103
, Ground Floor



Photo 104
, Ground Floor



Photo 105
, Ground Floor



Photo 106
, Ground Floor



Photo 107
Horizontal Crack on Roof of Part -II of Shop No.27 & 36, Second Floor, Approx. Width = 3mm, Approx. Length = 2.5m. Distance from Wall no.1 = 0m, Height from Floor = 2.3m.



Photo 108
Vertical Crack on Wall No. 2 of Part -II of Shop No.27 & 36, Second Floor
Approx. Width = 5mm, Approx. Length = 2.3m.
Distance from Wall no.3 = 0.1m Height from Floor = 0m

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 108A

Vertical Crack on Wall No. 2 of Part -II of Shop No.27 & 36, Second Floor, Approx. Width = 5mm, Approx. Length = 2.3m.
Distance from Wall no.3 = 0.1m, Height from Floor = 0m.



Photo 109

Vertical Crack on Wall No. 1 of Part -II of Shop No.27 & 36, Second Floor, Approx. Width = 1mm, Approx. Length = 2.3m.
Distance from Wall No.3 = 0.15m, Height from Floor = 0m.



Photo 109A

Vertical Crack on Wall No. 1 of Part -II of Shop No.27 & 36, Second Floor, Approx. Width = 1mm, Approx. Length = 2.3m.
Distance from Wall No.3 = 0.15m, Height from Floor = 0m.



Photo 110

Horizontal Crack on Wall No. 1 of Shop No.26 & 37, Second Floor, Approx. Width = 0.35mm, Approx. Length = 5m.
Distance from Wall no.3 = 0m, Height from Floor = 2.4m.



Photo 111

Inclined Crack on Wall No. 4 of Shop No.26 , Second Floor, Approx. Width = 0.4mm, Approx. Length = 2.5m.
Distance from Wall no.2 = 0.1m, Height from Floor = 2.2m.



Photo 112

Horizontal Crack on Wall No. 1 of Shop No.37, Second Floor, Approx. Width = 0.4mm, Approx. Length = 3.2m.
Distance from Wall no.3 = 0m, Height from Floor = 2.4m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 113

Horizontal Crack on Floor of Shop No.S-25, Second Floor,Approx.
Width = 0.8mm, Approx. Length = 0m.
Distance from 0Wall no.2 = 2m, Height from Floor = 0m.



Photo 114

Inclined Crack on of Shop No.12, Second Floor,Approx. Width =
0.5mm, Approx. Length = 2.5m.
Distance from Wall No.3 = 0.2m, Height from Floor = 1.3m.



Photo 115

Vertical Crack on of Shop No.12, Second Floor,Approx. Width =
0.4mm, Approx. Length = 2.4m.
Distance from = Corner Wall no.4 & 2m, Height from Floor = 0m.



Photo 116

Horizontal Crack on of Shop No.12, Second Floor,Approx. Width =
0.5mm, Approx. Length = 2.4m.
Distance from Wall No.4 = 0m, Height from Floor = 2.8m.



Photo 117

Inclined Crack on Wall No. 4 of Shop No.14, Second Floor,Approx.
Width = 0.25mm, Approx. Length = 0.65m.
Distance from Wall No.1 = 0m, Height from Floor = 1.8m.



Photo 118

Horizontal Crack on Roof of Varanda, Shop No.S-22, Second Floor
Approx. Width = 0.5mm, Approx. Length = 2m.
Distance from = Passage Between shop No.21 & 22m, Height from
Floor = 2.8m

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 119

Vertical Crack on Wall No. 1 & 4 of Staircase GF to FF, Second Floor, Approx. Width = 0.5mm, Approx. Length = 0.6m. Distance from Wall No.1 = 1.9m, Height from Floor = 1m.

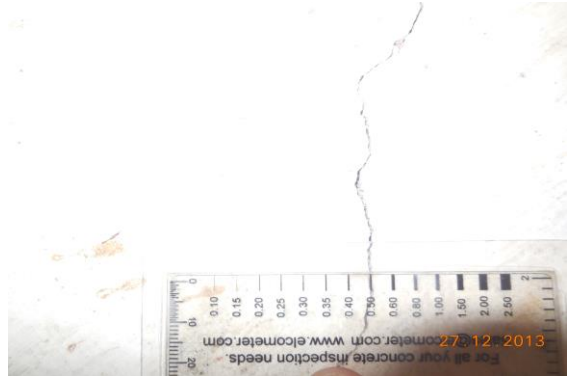


Photo 119A

Vertical Crack on Wall No. 1 & 4 of Staircase GF to FF, Second Floor, Approx. Width = 0.5mm, Approx. Length = 0.6m. Distance from Wall No.1 = 1.9m, Height from Floor = 1m.



Photo 120

Inclined Crack on Wall No. 4 of Shop No. F 48, First Floor, Approx. Width = 0.3mm, Approx. Length = 1.5m. Distance from Wall No. 1 = 0.3m, Height from Floor = 0.8m.



Photo 120A

Inclined Crack on Wall No. 4 of Shop No. F 48, First Floor, Approx. Width = 0.3mm, Approx. Length = 1.5m. Distance from Wall No. 1 = 0.3m, Height from Floor = 0.8m.



Photo 121

Horizontal Crack on Wall No. 1 & 4 of Part A, Shop No. F 26, First Floor, Approx. Width = 0.5mm, Approx. Length = 2m. Distance from Wall No. 1 = 0m, Height from Floor = 2.6m.



Photo 122

Horizontal Crack on Beam of Part A & B, Shop No. F 23, First Floor, Approx. Width = 0.2mm, Approx. Length = 10m. Distance from Wall No. 4 = 0m, Height from Floor = 2.4m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 123

Inclined Crack on Wall No. 4 of Part A , Shop No. F 23, First Floor
Approx. Width = 0.5mm, Approx. Length = 0.35m.
Distance from Wall No. 2 = 0.1m, Height from Floor = 2.2m.



Photo 124

Horizontal Crack on Wall No. 1 of Shop No. F 22, First Floor
Approx. Width = 0.3mm, Approx. Length = 5m.
Distance from Wall No. 3 = 5.2m, Height from Floor = 2.5m.



Photo 125

Vertical Crack on Wall No. 1 of Shop No. F 23, First Floor
Approx. Width = 0.25mm, Approx. Length = 2.4m.
Distance from Wall No. 3 = 5.2m, Height from Floor = 0m.



Photo 126

Inclined Crack on Wall No. 1 of Shop No. F 8, First Floor
Approx. Width = 0.5mm, Approx. Length = 0.3m.
Distance from Wall No. 3 = 0.2m, Height from Floor = 2.5m.



Photo 127

Vertical Crack on Wall No. 1 of Shop No. F 13, First Floor
Approx. Width = 0.25mm, Approx. Length = 0.25m.
Distance from Wall No. 3 = 0.3m, Height from Floor = 2.6m.



Photo 127A

Vertical Crack on Wall No. 1 of Shop No. F 13, First Floor
Approx. Width = 0.25mm, Approx. Length = 0.25m.
Distance from Wall No. 3 = 0.3m, Height from Floor = 2.6m.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 128

Dampness/Seepage on Roof of Varanda of Shop No.37 of Second Floor



Photo 129

Dampness/Seepage on Roof of Varanda of Shop No.25 of Second Floor



Photo 130

Peeling of Plaster on Tiles crack & 5 of Toilet No. 1 of Shop No.S-19, Second Floor



Photo 131

Dampness/Seepage on Wall No. 1 of Shop No.S-9 of Second Floor



Photo 132

Peeling of Plaster on Wall No. 4 of shop No.2 & 1 of Second Floor



Photo 133

Peeling of Plaster on Wall No. 1 & 4 of Shop No.12 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 134

Dampness/Seepage on Wall No. 3, 2 & Roof of Shop No.12 of Second Floor



Photo 135

Peeling of Plaster on Roof of Shop No.12 of Second Floor



Photo 136

Dampness/Seepage on Roof of Passage, Shop No.12 of Second Floor



Photo 137

Dampness/Seepage on Roof of Passage, Shop No.12 of Second Floor



Photo 138

Peeling of Plaster on Floor of Shop No.13A of Second Floor



Photo 139

Dampness/Seepage on Wall No. 4 of Shop No.14 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 140

Dampness/Seepage on Roof of Varanda, Shop No.S-22 of Second Floor



Photo 141

Peeling of Plaster on Roof of Varanda, Shop No.S-22 of Second Floor



Photo 142

Dampness/Seepage on Roof of Varanda, Shop No.S-22 of Second Floor



Photo 143

Dampness/Seepage on All walls & Roof of Staircase SF to Terrace of Second Floor



Photo 144

Dampness/Seepage on All walls & Roof of Staircase SF to Terrace of Second Floor



Photo 145

Dampness/Seepage on All walls & Roof of Staircase FF to SF of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 146

Exposed Reinforcement on Wall No. 3 of Staircase FF to SF of Second Floor



Photo 147

Peeling of Plaster on Wall No. 1 & 4 of Staircase GF to FF of Second Floor



Photo 148

Peeling of Plaster on Under Roof of Staircase GF to FF of Second Floor



Photo 149

Dampness/Seepage on Wall No. 4 of Shop No. F 47 of First Floor

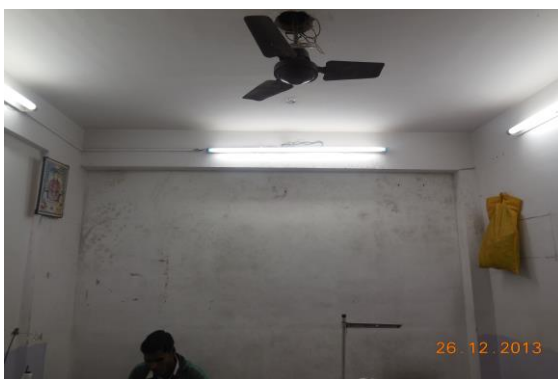


Photo 150

Dampness/Seepage on Wall No. 4 of Shop No. F 48 of First Floor



Photo 151

Peeling of Plaster on Wall No. 2 of Shop No. F 8 of First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 152
Dampness/Seepage on Wall No. 1 & 4 of Shop No. F 13 of First Floor



Photo 153
Dampness/Seepage on Wall No. 4 of Shop No. F 13 of First Floor



Photo 154
Peeling of Plaster on Wall No. 2 of Shop No. F 1 of First Floor



Photo 155
Peeling of Plaster on Entry Gate & 4 of Shopping Complex of Basement



Photo 156
Dampness/Seepage on Wall No. 4 of Shopping Complex of Basement



Photo 157
Dampness/Seepage on Wall No. 4 & Roof of Shopping Complex of Basement

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 158

Dampness/Seepage on Wall No. 4 & Roof of Shopping Complex of Basement



Photo 159

Dampness/Seepage on Wall No. 7 of Shopping Complex of Basement



Photo 160

Peeling of Plaster on Roof of Shop No. G 22 of Ground Floor



Photo 161

Peeling of Plaster on Floor & Tiles Crack of Shop No. G 21 of Ground Floor



Photo 162

Peeling of Plaster on Floor & Tiles Crack of Shop No. G 15 of Ground Floor



Photo 163

Dampness/Seepage on Wall No. 4 of Moon Creator of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 164

Peeling of Plaster on Roof of Harsh Jewellers of Upper Ground Floor



Photo 165

Peeling of Plaster on Roof of Harsh Jewellers of Upper Ground Floor



Photo 166

Peeling of Plaster on Wall No. 3 of Harsh Jewellers of Upper Ground Floor



Photo 167

Wall No. All walls of Shop No. 28 & 29 & 30 of Second Floor Covered with wooden

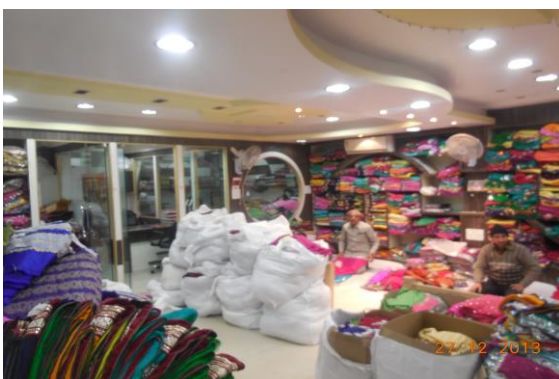


Photo 168

Wall No. All walls of Shop No. 28 & 29 & 30 of Second Floor



Photo 169

Wall No. All walls of Shop No. 28 & 29 & 30 of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 170
Wall No. All walls of Shop No. 28 & 29 & 30 of Second Floor



Photo 171
Roof of Shop No. 28 & 29 & 30 of Second Floor Covered with Falls Celling



Photo 172
Wall No. Floor of Shop No. 28 & 29 & 30 of Second Floor Covered with Tiles



Photo 173
All Walls of Shop No. 27 & 36 of Second Floor Covered with Material



Photo 174
All Walls of Shop No. 27 & 36 of Second Floor Covered with Material

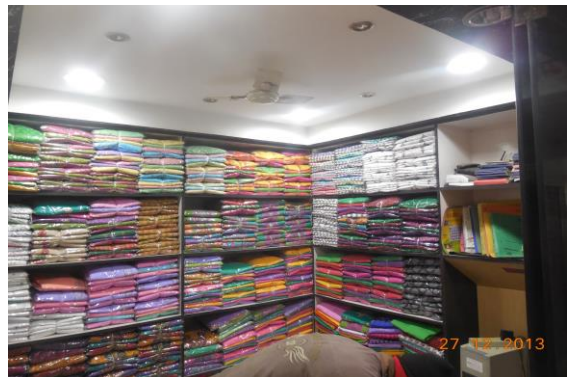


Photo 175
Wall No. 2 & 1 of Shop No. 28 & 46 of Second Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 176

Wall No. 1 & 4 of Shop No.28 & 46 of Second Floor Covered with Material



Photo 177

Roof of Shop No.28 & 46 of Second Floor Covered with Falls Ceiling

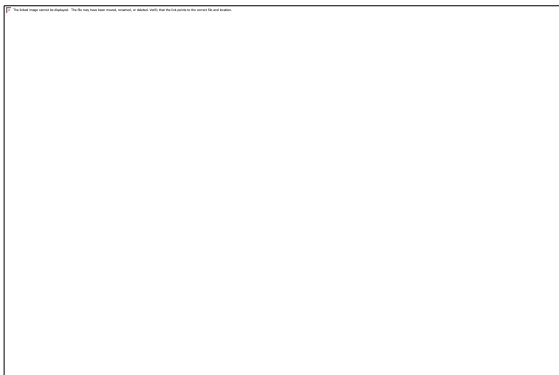


Photo 178

Wall No. 1 & 4 of Shop No.S-25 of Second Floor Covered with Material



Photo 179

Wall No. 4 of Shop No.S-25 of Second Floor Covered with Material



Photo 180

Wall No. 1 & 4 of Shop No.S-24 of Second Floor Covered with Material



Photo 181

Wall No. 2 of Shop No.S-24 of Second Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 182
Floor of Shop No.S-24 of Second Floor Covered With tiles



Photo 183
Shop No.S-19 of Second Floor Locked



Photo 184
All walls of Toilet No. 1 of Shop No.S-19, Second Floor Covered With Tiles



Photo 185
Wall No. 1 & 4 of Shop No.20 & 21 of Second Floor Covered with Material



Photo 186
Wall No. 2 & 4 of Shop No.20 & 21 of Second Floor Covered with Material



Photo 187
Roof of Shop No.20 & 21 of Second Floor Covered with Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 188

Wall No. 1 of Shop No.S-8 of Second Floor Covered with Material



Photo 189

Wall No. 2 of Shop No.S-8 of Second Floor Covered with Material



Photo 190

Floor of Shop No.S-8 of Second Floor Covered With Tiles



Photo 191

Roof of Shop No.S-9 of Second Floor Covered with Falls Ceiling



Photo 192

Wall No. 1 & 4 of Shop No.S-9 of Second Floor Covered with Material



Photo 193

Wall No. 3 of Shop No.S-9 of Second Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 194
of Shop No.S-5 of Second Floor Locked



Photo 195
of Shop No.S-4 of Second Floor Locked



Photo 196
of Shop No.S-3 of Second Floor Locked



Photo 197
of shop No.2 & 1 of Second Floor Covered with Material



Photo 198
shop No.2 & 1 of Second Floor Covered with Material



Photo 199
Wall No. 1 of shop No.2 & 1 of Second Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 200

Wall No. 4 of shop No.2 & 1 of Second Floor Covered with Material



Photo 201

Wall No. 2 of shop No.2 & 1 of Second Floor Covered with Wooden work



Photo 202

Wall No. 1 & 3 of shop No.2 & 1 of Second Floor Covered with Material



Photo 203

Floor of shop No.2 & 1 of Second Floor Covered with Tiles

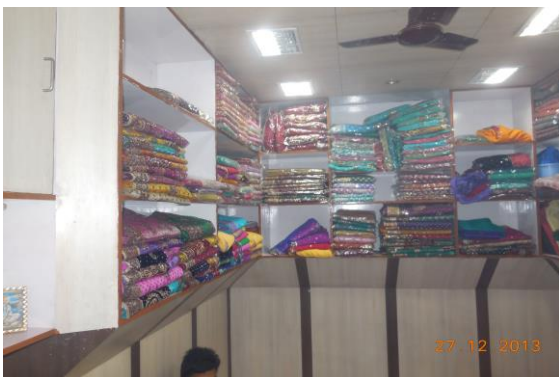


Photo 204

Wall No. 1 & 4 of Shop No.13A of Second Floor Covered with Wooden work & Material



Photo 205

Wall No. 2 & 4 of Shop No.13A of Second Floor Covered with Wooden work & Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 206
Roof of Shop No.13A of Second Floor Covered with Falls Ceiling



Photo 207
of Shop No.14A of Second Floor locked



Photo 208
Shop No.15 of Second Floor Locked



Photo 209
Wall No. 1 & 4 of Shop No.16 & 17 of Second Floor Covered with Material



Photo 210
Wall No. 2 & 4 of Shop No.16 & 17 of Second Floor Covered with Material



Photo 211
Roof of Shop No.16 & 17 of Second Floor Covered with Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 212

Wall No. 1 & 4 of Shop No.S-11 of Second Floor Covered with Material



Photo 213

Wall No. 2 & 4 of Shop No.S-11 of Second Floor Covered with Material



Photo 214

of Shop No.S-18 of Second Floor locked



Photo 215

of Shop No.S-23 of Second Floor locked



Photo 216

of Shop No.S-22 of Second Floor locked



Photo 217

of Shop no.S-38 of Second Floor locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 218
of Shop No.S-39 of Second Floor locked



Photo 219
of Shop No.S-40 of Second Floor locked



Photo 220
of Shop No.S-41 of Second Floor locked



Photo 221
of Shop No.S-42 of Second Floor locked



Photo 222
of Shop No.S-44 of Second Floor locked



Photo 223
of Shop No.S-45 of Second Floor locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 224
of Shop No.S-22 of Second Floor



Photo 225
of Shop no.S-23 of Second Floor Locked



Photo 226
of Shop No. S-47 of Second Floor Locked



Photo 227
of Shop No. S-48 of Second Floor Locked



Photo 228
of Shop No. S-49 of Second Floor Locked



Photo 229
of Shop No. S-50 of Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 230

Wall No. 2 of Shop No. F 32 & 33 of First Floor Covered with Wooden work



Photo 231

Roof of Shop No. F 32 & 33 of First Floor Covered with False Ceiling



Photo 232

of ShopNo. F 34 & 35 of First Floor Locked



Photo 233

of Shop No. F 34 & 35 of First Floor Locked



Photo 234

Wall No. 4 of Shop No. F 36 of First Floor Covered with Material



Photo 235

Floor of Shop No. F 36 of First Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 236

Wall No. 1 & 4 of Shop No. F 46 of First Floor Covered with Material



Photo 237

Roof of Shop No. F 46 of First Floor Covered with False Ceiling



Photo 238

Wall No. 4 of Shop No. F 47 of First Floor Covered with Material



Photo 239

Wall No. 2 & 4 of Shop No. F 49 of First Floor Covered with Material



Photo 240

of Shop No. F 50 of First Floor Locked



Photo 241

of Shop No. F 31 of First Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 242
Shop No. F30 of First Floor Locked



Photo 243
Wall No. 1 & 4 of Shop No. F 28 & 29 of First Floor Covered with Material



Photo 244
Wall No. 2 & 4 of Shop No. F 28 & 29 of First Floor Covered with Material



Photo 245
Roof of Shop No. F 28 & 29 of First Floor Covered with False Ceiling



Photo 246
Wall No. 1 of Part A of Shop No. F 26, First Floor Covered with Material

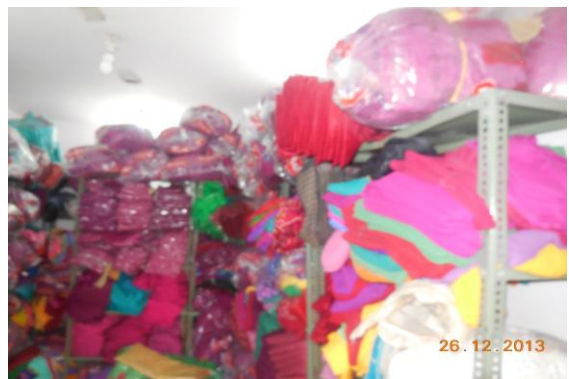


Photo 247
Wall No. 2 & 4 of Part A of Shop No. F 26, First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 248

All Walls of Part B of Shop No. F 26, First Floor Covered with Material



Photo 249

All Walls of Part A of Shop No. F 25, First Floor Covered with Material



Photo 250

All Walls of Part B of Shop No. F 25, First Floor Covered with Material



Photo 251

Wall No. 1 & 4 of Part B of Shop No. F 24, First Floor Covered with Material



Photo 252

All Walls of Part A of Shop No. F 23, First Floor Covered with Material



Photo 253

All Walls of Shop No. F 23 of First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 254

Wall No. 1 of Shop No. F-16,17 & 18 of First Floor Covered with Glass work



Photo 255

Wall No. 2 & 3 of Shop No. F-16,17 & 18 of First Floor Covered with Glass work



Photo 256

Roof of Shop No. F-16,17 & 18 of First Floor Covered with False Ceiling



Photo 257

Wall No. 2 & 4 of Shop No. F 9 of First Floor Covered with Material



Photo 258

Wall No. 1 of Shop No. F 9 of First Floor Covered with Material & wooden work



Photo 259

Wall No. 4 of Shop No. F 8 of First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 260

Wall No. 2 of Shop No. F 7 of First Floor Covered with Material



Photo 261

Wall No. 4 of Shop No. F 7 of First Floor Covered with Material



Photo 262

Wall No. 1 & 4 of Shop No. F 6 of First Floor Covered with Material



Photo 263

Wall No. 2 & 4 of Shop No. F 6 of First Floor Covered with Material



Photo 264

All Walls of Shop No. F 5 of First Floor Covered with Material



Photo 265

Wall No. 1 of Shop No. F 4 of First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 266

Wall No. 2 of Shop No. F 4 of First Floor Covered with Material



Photo 267

Wall No. 4 of Shop No. F 4 of First Floor Covered with Material



Photo 268

Roof of Shop No. F 4 of First Floor Covered with False Ceiling



Photo 269

Wall No. 2 & 4 of Shop No. F 3 of First Floor Covered with Material



Photo 270

Roof of Shop No. F 3 of First Floor Covered with Falls Ceiling



Photo 271

Wall No. 1, 2 & 4 of Shop No. F 2 of First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 272

Wall No. 1, 2 & 4 of Shop No. F 2 of First Floor Covered with Material



Photo 273

Roof of Shop No. F 2 of First Floor Covered with Wooden Work



Photo 274

Wall No. 1 of Shop No. 10A of First Floor Covered with Material



Photo 275

Roof of Shop No. 10A of First Floor Covered with Falls Ceiling



Photo 276

All Walls of Shop No. F 10 of First Floor Covered with Material



Photo 277

Shop No. F 11 of First Floor Locked Luxmi Sarees

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 278

Wall No. 1 & 4 of Shop No. F 12 of First Floor Covered with Material



Photo 279

Wall No. 2 & 4 of Shop No. F 12 of First Floor Covered with Material



Photo 280

Roof of Shop No. F 12 of First Floor Covered with Falls Ceiling



Photo 281

All Walls of Shop No. F 13 of First Floor Covered with Material



Photo 282

Shop No. F 11 of First Floor Locked Gopal Sa Kishan Sa Gote Wala



Photo 283

Wall No. 1 & 4 of Shop No. F 15 of First Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 284

Wall No. 2 & 4 of Shop No. F 15 of First Floor Covered with Material



Photo 285

Shop No. F 14 of First Floor Locked Shringar Center



Photo 286

Shop No. F 14A of First Floor Locked Sidhi Vinayak Creation



Photo 287

Wall No. 2 & 4 of Shop No. F 13 of First Floor Covered with Material



Photo 288

Wall No. 1 & 4 of Shop No. F 13 of First Floor Covered with Material



Photo 289

Roof of Shop No. F 13 of First Floor Covered with Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 290

Shop No. F 27 of First Floor Locked Kanchan Fabrics



Photo 291

Shop No. F 27 of First Floor Locked Kanchan Fabrics



Photo 292

Shop No. F 20 & 21 of First Floor Locked Krishna Sarees



Photo 293

Shop of First Floor Locked Balaji Treading Co.



Photo 294

Wall No. 1 & 4 of Shop No. F 1 of First Floor Covered with Material



Photo 295

Wall No. 1 of Shop No. 360 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 296

Wall No. 2 of Shop No. 360 of Ground Floor Covered With Material



Photo 297

Wall No. 4 of Shop No. 360 of Ground Floor Covered With Material



Photo 298

Wall No. 1 & 2 of Shop No. 360 of Upper Ground Floor Covered With Material



Photo 299

Wall No. 2 & 4 of Shop No. S 2 of Ground Floor Covered With Material



Photo 300

Wall No. 1 of Shop No. S 2 of Ground Floor Covered With Material

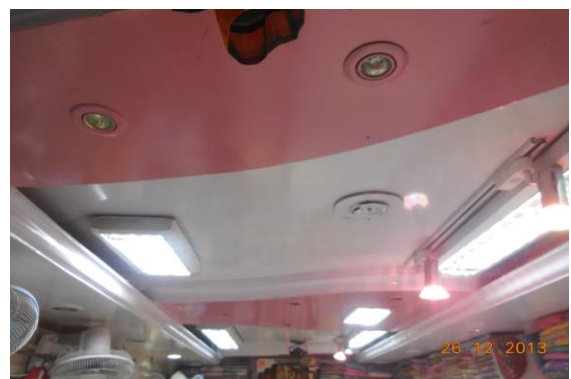


Photo 301

Roof of Shop No. S 2 of Ground Floor Covered With Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 302

Wall No. 2 of Shop No. S 2 of Upper Ground Floor Covered With Material



Photo 303

Wall No. 1 of Shop No. S 2 of Upper Ground Floor Covered With Material



Photo 304

Wall No. 4 of Shop No. S 2 of Upper Ground Floor Covered With Tiles



Photo 305

Roof of Shop No. S 2 of Upper Ground Floor Covered With Falls Ceiling



Photo 306

Wall No. 2 & 4 of Shop No. G 34 of Ground Floor Covered With Material

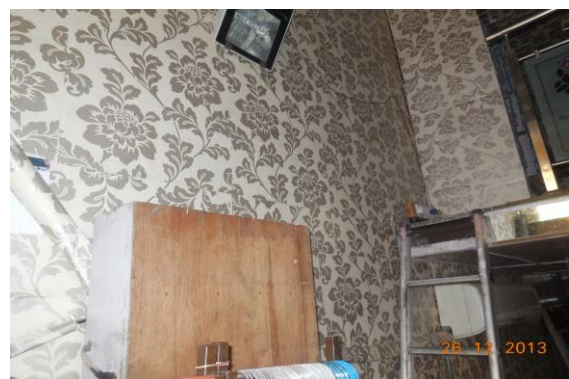


Photo 307

Wall No. 1 of Shop No. G 34 of Ground Floor Covered With Paper

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 308
Roof of Shop No. G 34 of Ground Floor Covered With Falls Ceiling



Photo 309
All Walls of Shop No. G 34 of Upper Ground Floor Covered With Material



Photo 310
Roof of Shop No. G 34 of Upper Ground Floor Covered With Paper



Photo 311
Wall No. 2 & 4 of Shop No. 31 of Ground Floor Covered With Material



Photo 312
Wall No. 1 & 4 of Shop No. 31 of Ground Floor Covered With Material



Photo 313
Roof of Shop No. 31 of Ground Floor Covered With Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 314

Wall No. 2 & 1 of Shop No. G 30 of Ground Floor Covered With Material



Photo 315

Wall No. 4 of Shop No. G 30 of Ground Floor Covered With Glass Work



Photo 316

Roof of Shop No. G 30 of Ground Floor Covered With Falls Ceiling



Photo 317

Wall No. 2 & 4 of Shop of Ground Floor Covered With Material

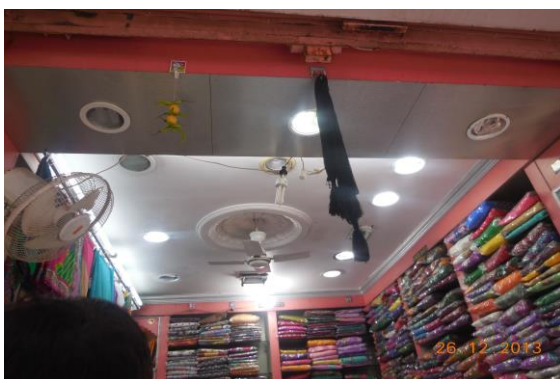


Photo 318

Roof of Shop of Ground Floor Covered With Falls Ceiling



Photo 319

Floor of Shop of Ground Floor Covered With Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 320

Wall No. 2 & 4 of Part A of Ground Floor Covered With Material



Photo 321

Wall No. 1 & 4 of Part A of Ground Floor Covered With Material



Photo 322

Roof of Part A of Ground Floor Covered With Material



Photo 323

Wall No. 2 & 4 of Part B of Ground Floor Covered With Material



Photo 324

Wall No. 1 & 4 of Part B of Ground Floor Covered With Material



Photo 325

Wall No. 3 of Part B of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 326

Wall No. 2 & 4 of Part C of Ground Floor Covered With Material



Photo 327

Wall No. 2 & 4 of Part C of Ground Floor Covered With Material



Photo 328

Wall No. 3 of Part C of Ground Floor Covered With Material



Photo 329

of Toilet No. 1 of Ground Floor Covered With Tiles



Photo 330

Toilet No. 1 of Ground Floor Covered With Tiles



Photo 331

Wall No. 1 & 4 of Shop No. G 6 & 7 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 332

Wall No. 2 & 4 of Shop No. G 6 & 7 of Ground Floor Covered With Material



Photo 333

Roof of Shop No. G 6 & 7 of Ground Floor Covered With Falls Ceiling



Photo 334

Wall No. 1 & 4 of Shop No. G 22 of Ground Floor Covered With Material

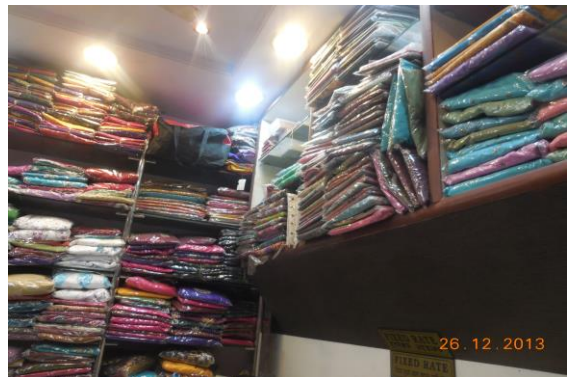


Photo 335

Wall No. 2 & 4 of Shop No. G 22 of Ground Floor Covered With Material

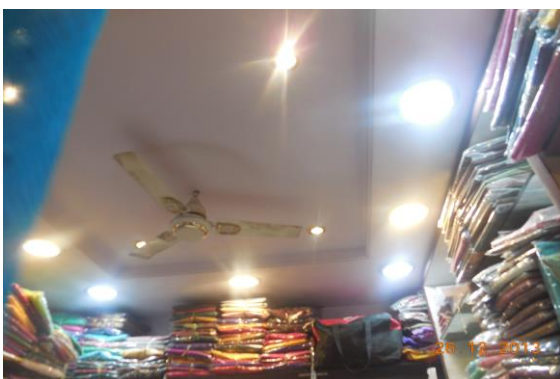


Photo 336

Roof of Shop No. G 22 of Ground Floor Covered With Falls Ceiling



Photo 337

Wall No. 2 & 4 of Shop No. 11, 12 & 13 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 338

Wall No. 1 & 4 of Shop No. 11,12 & 13 of Ground Floor Covered With Material



Photo 339

Roof of Shop No. 11,12 & 13 of Ground Floor Covered With Falls Celling



Photo 340

Floor of Shop No. 11,12 & 13 of Ground Floor Covered With Tiles



Photo 341

Wall No. 4 of Shop No. 11,12 & 13 of Ground Floor Covered With Material



Photo 342

Wall No. 2 & 4 of Shop No. G 9 of Ground Floor Covered With Material



Photo 343

Wall No. 1 of Shop No. G 9 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 344

Roof of Shop No. G 9 of Ground Floor Covered With Falls Ceiling



Photo 345

Wall No. 2 & 4 of Shop No. G 21 of Ground Floor Covered With Material



Photo 346

Roof of Room No. 6 of Ground Floor Covered With Falls Ceiling



Photo 347

Wall No. 2 & 4 of Shop No. 17 of Ground Floor Covered With Material



Photo 348

Wall No. 1 of Shop No. 17 of Ground Floor Covered With Material

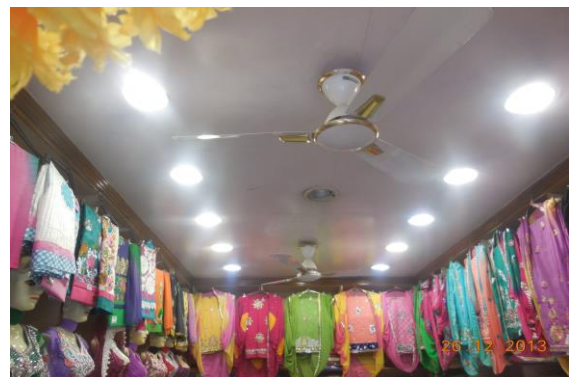


Photo 349

Roof of Shop No. 17 of Ground Floor Covered With Falls Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 350

Floor of Shop No. 17 of Ground Floor Covered With Tiles



Photo 351

Wall No. 2 & 4 of Shop No. 16 of Ground Floor Covered With Material



Photo 352

Wall No. 1 of Shop No. 16 of Ground Floor Covered With Material



Photo 353

Roof of Shop No. 16 of Ground Floor Covered With Falls Ceiling



Photo 354

Floor of Shop No. 16 of Ground Floor Covered With Tiles

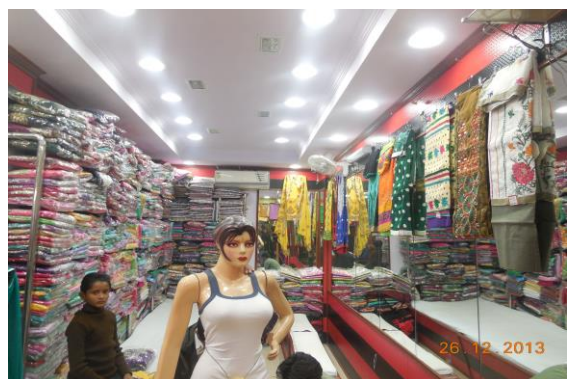


Photo 355

Wall No. 1, 2 & 4 of Shop No. G 14 & 14A of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 356

Wall No. 5 & 6 of Shop No. G 14 & 14A of Ground Floor Covered With Material



Photo 357

Roof of Shop No. G 14 & 14A of Ground Floor Covered With Falls Celling



Photo 358

Floor of Shop No. G 14 & 14A of Ground Floor Covered With Tiles



Photo 359

All Walls of Shop No. G 24 of Ground Floor Covered With Material



Photo 360

Roof of Shop No. G 24 of Ground Floor Covered With Falls Ceiling



Photo 361

All Walls of Shop No. G 25 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 362
Roof of Shop No. G 25 of Ground Floor Covered With Falls Ceiling



Photo 363
Toilet No. 1 of Ground Floor Covered with Tiles



Photo 364
All Walls of Shop No. G 26 of Ground Floor Covered With Material



Photo 365
All Walls of Shop No. G 26 of Ground Floor Covered With Material



Photo 366
Roof of Shop No. G 26 of Ground Floor Covered With Falls Ceiling



Photo 367
All Walls of Shop No. G 15 of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 368

Floor of Shop No. G 15 of Ground Floor Covered with Tiles



Photo 369

Shop No. G 21 of Ground Floor Locked Deepak Ready made



Photo 370

Wall No. 2 & 4 of Shop No. G 21 of Ground Floor Covered With Material



Photo 371



Photo 372

Roof of Shop No. G 21 of Ground Floor Covered With Falls Ceiling



Photo 373

Floor of Shop No. G 21 of Ground Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 374

Wall No. 2 & 4 of Shop No. G 29A of Ground Floor Covered With Material



Photo 375

Wall No. 1 & 4 of Shop No. G 29A of Ground Floor Covered With Material



Photo 376

Roof of Shop No. G 29A of Ground Floor Covered With Falls Ceiling



Photo 377

Floor of Shop No. G 29A of Ground Floor Covered with Tiles

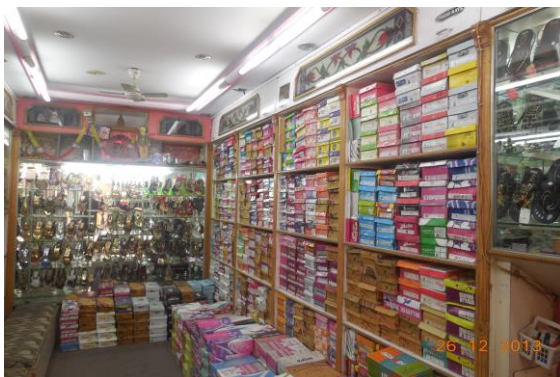


Photo 378

Wall No. 2 & 4 of Jai Ambey Sandil of Ground Floor Covered With Material



Photo 379

Wall No. 1 & 4 of Jai Ambey Sandil of Ground Floor Covered With Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 380

Roof of Jai Ambey Sandil of Ground Floor Covered With Falls Ceiling



Photo 381

Wall No. 2 & 4 of Jewar Shop of Ground Floor Covered with Material



Photo 382

Wall No. 1 & 4 of Jewar Shop of Ground Floor Covered with Material



Photo 383

Roof of Jewar Shop of Ground Floor Covered with False Ceiling



Photo 384

Floor of Jewar Shop of Ground Floor Covered with Tiles



Photo 385

Wall No. 2 & 4 of K.K.Jewellers Shop of Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 386

Wall No. 1 of K.K.Jewellers Shop of Ground Floor Covered with Glass



Photo 387

Roof of K.K.Jewellers Shop of Ground Floor Covered with False Ceiling



Photo 388

Wall No. 2 & 4 of Sidhi Vinayak Fancy Store of Ground Floor Covered with Material



Photo 389

Wall No. 1 of Sidhi Vinayak Fancy Store of Ground Floor Covered with Glass



Photo 390

Roof of Sidhi Vinayak Fancy Store of Ground Floor Covered with Wood



Photo 391

Floor of Sidhi Vinayak Fancy Store of Ground Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 392

Wall No. 2 & 4 of Wahu Guru Collection of Ground Floor Covered with Material



Photo 393

Wall No. 1 & 4 of Wahu Guru Collection of Ground Floor Covered with Material



Photo 394

Roof of Wahu Guru Collection of Ground Floor Covered with Wood



Photo 395

Wall No. 2 & 4 of Amarpur Collection of Ground Floor Covered with Material



Photo 396

Wall No. 1 & 4 of Amarpur Collection of Ground Floor Covered with Material



Photo 397

Roof of Amarpur Collection of Ground Floor Covered with False Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 398

Wall No. 2 & 4 of Kaladeep Collection of Ground Floor Covered with Material



Photo 399

Wall No. 1 of Kaladeep Collection of Ground Floor Covered with Material



Photo 400

Roof of Kaladeep Collection of Ground Floor Covered with Wood



Photo 401

Wall No. Floor of Kaladeep Collection of Ground Floor Covered with Tiles



Photo 402

Wall No. 1 & 4 of Jyoti Collection of Ground Floor Covered with Material



Photo 403

Roof of Jyoti Collection of Ground Floor Covered with Wood

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 404

Floor of Jyoti Collection of Ground Floor Covered with Tiles



Photo 405

Wall No. 1 & 4 of Amarpur (Go down) of Ground Floor Covered with Material



Photo 406

Wall No. 2 & 4 of Amarpur (Go down) of Ground Floor Covered with Material



Photo 407

Wall No. 2 & 4 of Sharma Gota Works of Ground Floor Covered with Material



Photo 408

Wall No. 1 & 4 of Sharma Gota Works of Ground Floor Covered with Material

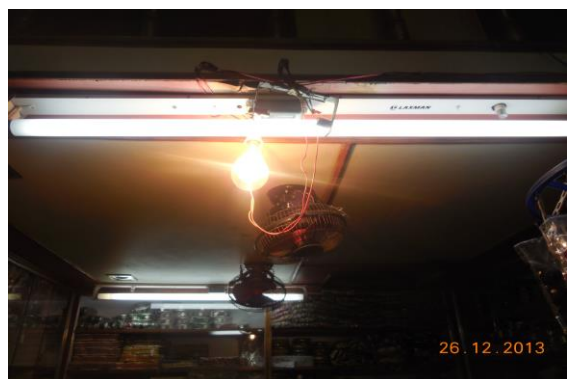


Photo 409

Roof of Sharma Gota Works of Ground Floor Covered with Wood

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 410
Shop No. G 36 of Ground Floor Locked



Photo 411
Shop No. G 36 of Ground Floor Locked



Photo 412
Shop No. G 35 of Ground Floor Locked



Photo 413
Shop No. G 35 of Ground Floor Locked



Photo 414
Mukund Handicrafts of Ground Floor Locked



Photo 415
G.D. Jewellers of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 416
Suhag Ghar of Ground Floor Locked



Photo 417
Trilok Khandelwal of Ground Floor Locked

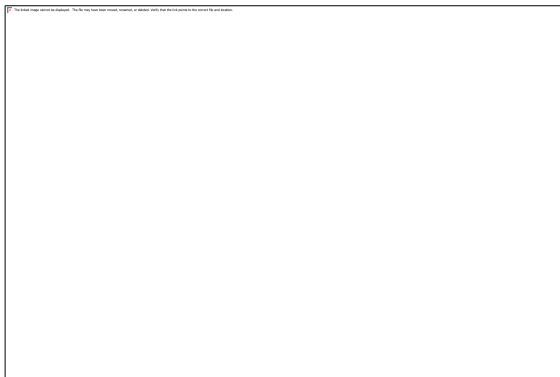


Photo 418
Trilok Khandelwal of Ground Floor Locked

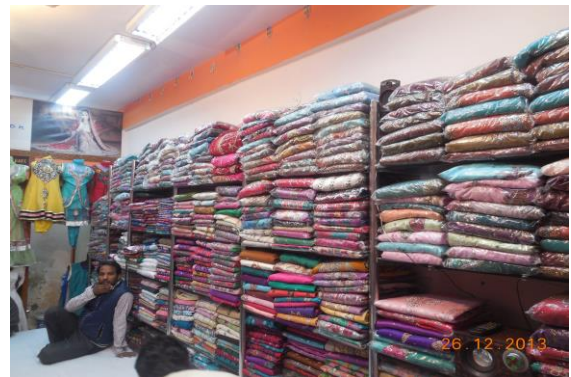


Photo 419
Wall No. 2 of Moon Creator of Ground Floor Covered with Material



Photo 420
Wall No. 1 & 4 of Moon Creator of Ground Floor Covered with Material

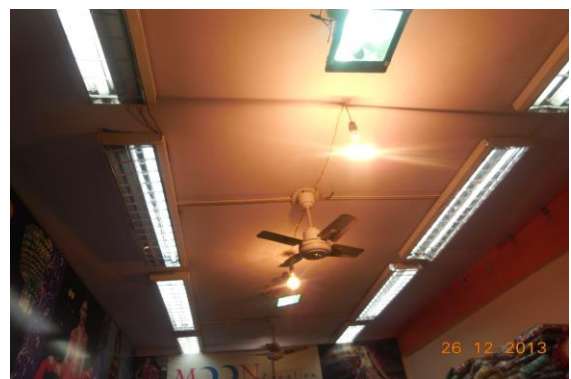


Photo 421
Roof of Moon Creator of Ground Floor Covered with False Ceiling

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 422

Floor of Moon Creator of Ground Floor Covered with Tiles



Photo 423

Wall No. 1 & 4 of G.S.Jewellers of Ground Floor Covered with Material



Photo 424

Wall No. 1 of G.S.Jewellers of Ground Floor Covered with Glass



Photo 425

Roof of G.S.Jewellers of Ground Floor Covered with False Ceiling



Photo 426

of K.K.Traders of Ground Floor Locked



Photo 427

of Shop No. G 4 of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 428
Shree Shyam Sales of Ground Floor Locked



Photo 429
Shree Shyam Sales of Ground Floor Locked



Photo 430
Office of Ground Floor Locked



Photo 431
Wall No. 2 of Harsh Jewellers of Ground Floor Covered with Material



Photo 432
Wall No. 1 of Harsh Jewellers of Ground Floor Covered with Glass



Photo 433
Wall No. 4 of Harsh Jewellers of Ground Floor Covered with Almira

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 434

Roof of Harsh Jewellers of Ground Floor Covered with False Ceiling



Photo 435

Wall No. 2 & 4 of Harsh Jewellers of Upper Ground Floor Covered with Material



Photo 436

Wall No. 2 of R.K.Fabs of Ground Floor Covered with Material



Photo 437

Wall No. 1 of R.K.Fabs of Ground Floor Covered with Material



Photo 438

Wall No. 4 of R.K.Fabs of Ground Floor Covered with Material



Photo 439

Wall No. 2 & 4 of R.K.Fabs of Upper Ground Floor Covered with Material

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 440

Floor of R.K.Fabs of Ground Floor Covered with Tiles

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shoping Complex
Ramganj Market
Jaipur
Unique ID: BC RA DN 0075

Report Number: AIMIL/ESG/JMCEC/BC RA DN 0075/01, Rev. 00, Dated: January 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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10	Defect Photographs	
11	Schematic Diagram of Building	

Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	28/12/2013	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story RCC Framed Structure having 5 floors and a basement. The structure was constructed in year 1985 and is 28 years old.

There are 41 defects in the structure out of which 1 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category I (Very Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	100%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 0.8mm and average length of cracks is 0.5m. The maximum crack width is 0.8mm and minimum width is 0.8mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
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.			
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.			
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.			
.			

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shoping Complex
2	Building Address	Shoping Complex Ramganj Market Jaipur
3	Year of Construction	1985
4	Number of Floors	B+G+4
5	Number of Basements	None
6	Type of Building	Residential + Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	28 years
10	Type of Structure	RCC
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Side
15	Presence of Equipment/Machines	None

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 4 Toilet No. 2 Sarraf Katla,Ground Floor	Horizontal	0.8	0.5	Very Slight	59

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
2	External Wall Passage-2 of Sarraf Katla Ground Floor	Damaged Portion	60
3	External Wall & Sunshade Passage-2 of Sarraf Katla Second Floor	Peeling of Plaster	61
4	Wall No. 4 Toilet No. 2 Sarraf Katla,Ground Floor	Dampness/Seepage	62
5	Wall No. 1 Toilet No. 2 Sarraf Katla,Ground Floor	Peeling of Plaster	63
6	Wall No. 2 Shop No. 114 of Sarraf Katla Ground Floor	Peeling of Plaster	64
7	Wall No. 4 Shop No. 103 of Sarraf Katla Ground Floor	Peeling of Plaster	65
8	Wall No. 2 & 4 Shop No. 3 & 4 of Sarraf Katla Basement	Dampness/Seepage	66
9	Wall No. 1 Shop No. 212 of Sarraf Katla First Floor	Peeling of Plaster	67
10	Wall No. 4 Shop No. 212 of Sarraf Katla First Floor	Peeling of Plaster	68
11	Wall No. 4 Shop No. 201 of Sarraf Katla First Floor	Dampness/Seepage	69
12	Wall No. 2 Toilet No. 2 Passage-2 of Sarraf Katla,First Floor	Damaged Portion	70
13	Wall No. 4 Toilet No. 2 Passage-2 of Sarraf Katla,First Floor	Dampness/Seepage	71
14	Toilet No. 1 Passage-1 of Sarraf Katla,First Floor	Dampness/Seepage	72
15	Wall No. 5 & 6 Toilet No. 1 Passage-1 of Sarraf Katla,First Floor	Peeling of Plaster	73
16	Wall No. 4 Shop No. 302 & 303 of Sarraf Katla Second Floor	Dampness/Seepage	74
17	Wall No. 3 Shop No. 302 & 303 of Sarraf Katla Second Floor	Peeling of Plaster	75
18	Wall No. 2 Shop No. 302 & 303 of Sarraf Katla Second Floor	Peeling of Plaster	76
19	Wall No. 1 & 3 Shop No. 302 & 303 of Sarraf Katla Second Floor	Peeling of Plaster	77
20	Wall No. 4 Shop No. 306 & 307 of Sarraf Katla Second Floor	Dampness/Seepage	78
21	Wall No. 2 & 4 Shop No. 306 & 307 of Sarraf Katla Second Floor	Dampness/Seepage	79
22	Wall No. 4 Shop No. 306 & 307 of Sarraf Katla Second Floor	Dampness/Seepage	80
23	Wall No. 2 & 3 Passage-1 of Sarraf Katla Second Floor	Dampness/Seepage	81
24	Wall No. 4 Toilet No. 1 Sarraf Katla ,Second Floor	Dampness/Seepage	82
25	Wall No. 5 & 6 Toilet No. 1 Sarraf Katla ,Second Floor	Peeling of Plaster	83
26	Wall No. 1 & 4 Toilet No. 2 Sarraf Katla ,Second Floor	Dampness/Seepage	84
27	Wall No. 4 Shop No. 401 of Sarraf Katla Third Floor	Peeling of Plaster	85
28	Wall No. 1 & 4 Shop No. 405 of Sarraf Katla Third Floor	Dampness/Seepage	86
29	Wall No. 1 Toilet No. 1 Passage-1 of Sarraf Katla,Third Floor	Damaged Portion	87
30	Wall No. 4 Toilet No. 1 Passage-1 of Sarraf Katla,Third Floor	Dampness/Seepage	88

31	Wall No. 7 Toilet No. 1 Passage-1 of Sarraf Katla,Third Floor	Damaged Portion	89
32	Wall No. 1 Toilet No. 2 Passage-1 of Sarraf Katla,Third Floor	Damaged Portion	90
33	Wall No. 1 & 4 Toilet No. 2 Passage-1 of Sarraf Katla,Third Floor	Dampness/Seepage	91
34	Wall No. 4 Toilet No. 1 Sarraf Katla,Fourth Floor	Dampness/Seepage	92
35	Left Side View of Sarraf Katla Ground Floor	Peeling of Plaster	93
36	Left Side View of Sarraf Katla Ground Floor	Peeling of Plaster	94
37	Left Side View of Sarraf Katla Ground Floor	Peeling of Plaster	95
38	Left Side View of Sarraf Katla Ground Floor	Peeling of Plaster	96
39	Left Side View of Sarraf Katla First Floor	Peeling of Plaster	97
40	Left Side View of Sarraf Katla First Floor	Peeling of Plaster	98
41	Left Side View of Sarraf Katla First Floor	Peeling of Plaster	99

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Toilet No. 1 Sarraf Katla,Ground Floor	Locked	100
2	All Wall Shop No. 204 of Sarraf Katla Ground Floor	Covered With Materials	101
3	All Wall Shop No. 204 of Sarraf Katla Ground Floor	Covered With Materials	102
4	Shop No. 122 of Sarraf Katla Ground Floor	Locked	103
5	Shop No. 123 of Sarraf Katla Ground Floor	Locked	104
6	Shop No. 125 of Sarraf Katla Ground Floor	Locked	105
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8	Shop No. 115 of Sarraf Katla Ground Floor	Locked	107
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10	Wall No. 1 & 4 Shop No. 118 & 119 of Sarraf Katla Ground Floor	Covered Materials	109
11	Wall No. 2 & 4 Shop No. 118 & 119 of Sarraf Katla Ground Floor	Covered With Glass	110
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13	Wall No. 1 & 4 Shop No. 108,109 & Passage-2 Ground Floor	Covered With Materials	112
14	Wall No. 2 & 4 Shop No. 108,109 & Passage-2 Ground Floor	Covered With Materials	113
15	Roof Shop No. 108,109 Passage-2 Ground Floor	Covered With False Ceiling.	114
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19	Roof Shop No.112 of Sarraf Katla Ground Floor	Covered With False Ceiling.	118
20	Shop No. 101 of Sarraf Katla Ground Floor	Locked	119
21	Shop No. 102 of Sarraf Katla Ground Floor	Locked	120
22	Wall No. 2 Shop No. 103 of Sarraf Katla Ground Floor		121
23	Shop No. 104 of Sarraf Katla Ground Floor	Locked	122
24	Shop No. 105 of Sarraf Katla Ground Floor	Locked	123
25	Wall No. 1 & 4 Shop No. 21 of Sarraf Katla Ground Floor	Covered With Materials	124
26	Wall No. 2 & 4 Shop No. 21 of Sarraf Katla Ground Floor	Covered With Materials	125
27	Shop No. 2 of Sarraf Katla Basement	Locked	126
28	All Wall Shop No. 3 & 4 of Sarraf Katla Basement	Covered With Materials	127
29	All Wall Shop No. 3 & 4 of Sarraf Katla Basement	Covered With Materials	128
30	Shop No. 5 of Sarraf Katla Basement	Locked	129
31	Shop No. 6,7,8 & 9 of Sarraf Katla Basement	Locked	130

32	Shop No. 14 of Sarraf Katla Under Stair	Locked	131
33	Shop No. 10 of Sarraf Katla Basement	Locked	132
34	Shop No. 11 of Sarraf Katla Basement	Locked	133
35	Shop No. 12 of Sarraf Katla Basement	Locked	134
36	Wall No. 1 & 4 Shop No. 13 of Sarraf Katla Basement	Covered With Materials	135
37	Shop No. 13 of Sarraf Katla Basement	Covered With False Ceiling.	136
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98	Shop No. 422 of Sarraf Katla Third Floor	Locked	197
99	Shop No. 423 of Sarraf Katla Third Floor	Locked	198
100	Shop No. 425 of Sarraf Katla Third Floor	Locked	199
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102	Room No. 1 Sarraf Katla,Fourth Floor	Covered With Tiles	201



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1



Photo 2

General View of Shop No. 204 of Sarraf Katla, Ground Floor



Photo 3

General View of Shop No. 124 of Sarraf Katla, Ground Floor



Photo 4

General View of Shop No. 124 of Sarraf Katla, Ground Floor



Photo 5

General Shop No. 114 of Sarraf Katla, Ground Floor



Photo 6

General Shop No. 114 of Sarraf Katla, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 7

General View of Shop No. 118 & 119 of Sarraf Katla, Ground Floor



Photo 8

General View of Shop No. 108, 109 & Passage-2, Ground Floor



Photo 9

General View of Shop No. 111 of Sarraf Katla, Ground Floor



Photo 10

General View of Shop No. 112 of Sarraf Katla, Ground Floor



Photo 11

General View of Shop No. 112 of Sarraf Katla, Ground Floor



Photo 12

General View of Shop No. 113 of Sarraf Katla, Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 13

General View of Shop No.113 of Sarraf Katla, Ground Floor



Photo 14

General View of Shop No. 103 of Sarraf Katla, Ground Floor



Photo 15

General View of Shop No. 21 of Sarraf Katla, Ground Floor



Photo 16

General View of Shop No. 1 of Sarraf Katla, Basement

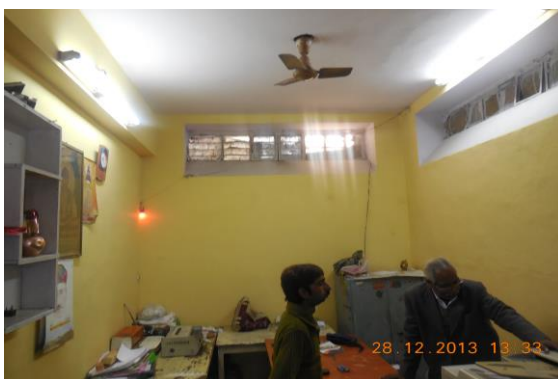


Photo 17

General View of Shop No. 1 of Sarraf Katla, Basement



Photo 18

General View of Shop No. 3 & 4 of Sarraf Katla, Basement

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 19

General View of Shop No. 13 of Sarraf Katla, Basement



Photo 20

Front View of Shop No. 216, First Floor



Photo 21

Front View of Shop No. 208 & 209, First Floor



Photo 22

Front View of Shop No. 212, First Floor



Photo 23

General View of Shop No. 212 of Sarraf Katla, First Floor



Photo 24

General View of Shop No. 201 of Sarraf Katla, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 25
General View of Shop No. 201 of Sarraf Katla, First Floor



Photo 26
General View of Shop No. 302 & 303 of Sarraf Katla, Second Floor



Photo 27
General View of Shop No. 304 & 305 of Sarraf Katla, Second Floor



Photo 28
General View of Shop No. 304 & 305 of Sarraf Katla, Second Floor



Photo 29
General View of Shop No. 304 & 305 of Sarraf Katla, Second Floor



Photo 30
General View of Shop No. 306 & 307 of Sarraf Katla, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 31

General View of Shop No. 310 of Sarraf Katla, Second Floor



Photo 32

General View of Shop No. 310 of Sarraf Katla, Second Floor



Photo 33

Shop No. 317 of Sarraf Katla, Second Floor



Photo 34

Shop No. 317 of Sarraf Katla, Second Floor



Photo 35

Shop No. 320 of Sarraf Katla, Second Floor



Photo 36

Shop No. 320 of Sarraf Katla, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 37
Shop No. 323 of Sarraf Katla, Second Floor



Photo 38
Shop No. 324 of Sarraf Katla, Second Floor



Photo 39
Shop No. 324 of Sarraf Katla, Second Floor



Photo 40
Lift of Sarraf Katla, Second Floor



Photo 41
Shop No. 401 of Sarraf Katla, Third Floor



Photo 42
Shop No. 401 of Sarraf Katla, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 43
Shop No. 404 of Sarraf Katla, Third Floor



Photo 44
Shop No. 404 of Sarraf Katla, Third Floor



Photo 45
Shop No. 405 of Sarraf Katla, Third Floor



Photo 46
Shop No. 405 of Sarraf Katla, Third Floor



Photo 47
Shop No. 406 of Sarraf Katla, Third Floor

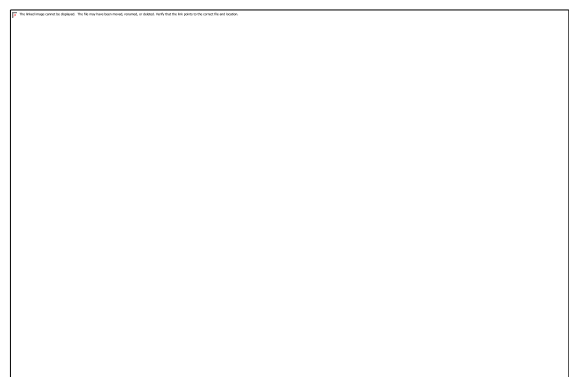


Photo 48
Shop No. 406 of Sarraf Katla, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 49
Shop No. 409 of Sarraf Katla, Third Floor



Photo 50
Shop No. 409 of Sarraf Katla, Third Floor



Photo 51
Shop No. 411 of Sarraf Katla, Third Floor



Photo 52
Shop No. 411 of Sarraf Katla, Third Floor



Photo 53
Shop No. 424 of Sarraf Katla, Third Floor



Photo 54
Shop No. 424 of Sarraf Katla, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 55
, Sarraf Katla, Fourth Floor



Photo 56
, Sarraf Katla, Fourth Floor



Photo 57
, Sarraf Katla, Fourth Floor



Photo 58
Left Side View of Sarraf Katla, Ground Floor



Photo 59
Horizontal Crack on Wall No. 4 of Toilet No. 2, Sarraf Katla, Ground Floor Approx. Width = 0.8mm, Approx. Length = 0.5m. Distance from Wall No. 1 = 0m, Height from Floor = 2.8m.



Photo 60
Damaged Portion on External Wall of Passage-2 of Sarraf Katla of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 61

Peeling of Plaster on External Wall & Sunshade of Passage-2 of Sarraf Katla of Second Floor



Photo 62

Dampness/Seepage on Wall No. 4 of Toilet No. 2 of Sarraf Katla, Ground Floor



Photo 63

Peeling of Plaster on Wall No. 1 of Toilet No. 2 of Sarraf Katla, Ground Floor



Photo 64

Peeling of Plaster on Wall No. 2 of Shop No. 114 of Sarraf Katla of Ground Floor



Photo 65

Peeling of Plaster on Wall No. 4 of Shop No. 103 of Sarraf Katla of Ground Floor



Photo 66

Dampness/Seepage on Wall No. 2 & 4 of Shop No. 3 & 4 of Sarraf Katla of Basement

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 67

Peeling of Plaster on Wall No. 1 of Shop No. 212 of Sarraf Katla of First Floor



Photo 68

Peeling of Plaster on Wall No. 4 of Shop No. 212 of Sarraf Katla of First Floor



Photo 69

Dampness/Seepage on Wall No. 4 of Shop No. 201 of Sarraf Katla of First Floor



Photo 70

Damaged Portion on Wall No. 2 of Toilet No. 2 of Passage-2 of Sarraf Katla, First Floor



Photo 71

Dampness/Seepage on Wall No. 4 of Toilet No. 2 of Passage-2 of Sarraf Katla, First Floor



Photo 72

Dampness/Seepage on Wall No. 1 of Toilet No. 1 of Passage-1 of Sarraf Katla, First Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 73

Peeling of Plaster on Wall No. 5 & 6 of Toilet No. 1 of Passage-1 of Sarraf Katla, First Floor



Photo 74

Dampness/Seepage on Wall No. 4 of Shop No. 302 & 303 of Sarraf Katla of Second Floor



Photo 75

Peeling of Plaster on Wall No. 3 of Shop No. 302 & 303 of Sarraf Katla of Second Floor



Photo 76

Peeling of Plaster on Wall No. 2 of Shop No. 302 & 303 of Sarraf Katla of Second Floor



Photo 77

Peeling of Plaster on Wall No. 1 & 3 of Shop No. 302 & 303 of Sarraf Katla of Second Floor



Photo 78

Dampness/Seepage on Wall No. 4 of Shop No. 306 & 307 of Sarraf Katla of Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 79

Dampness/Seepage on Wall No. 2 & 4 of Shop No. 306 & 307 of Sarraf Katla of Second Floor



Photo 80

Dampness/Seepage on Wall No. 4 of Shop No. 306 & 307 of Sarraf Katla of Second Floor



Photo 81

Dampness/Seepage on Wall No. 2 & 3 of Passage-1 of Sarraf Katla of Second Floor



Photo 82

Dampness/Seepage on Wall No. 4 of Toilet No. 1 of Sarraf Katla, Second Floor



Photo 83

Peeling of Plaster on Wall No. 5 & 6 of Toilet No. 1 of Sarraf Katla, Second Floor



Photo 84

Dampness/Seepage on Wall No. 1 & 4 of Toilet No. 2 of Sarraf Katla, Second Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 85

Peeling of Plaster on Wall No. 4 of Shop No. 401 of Sarraf Katla of Third Floor



Photo 86

Dampness/Seepage on Wall No. 1 & 4 of Shop No. 405 of Sarraf Katla of Third Floor



Photo 87

Damaged Portion on Wall No. 1 of Toilet No. 1 of Passage-1 of Sarraf Katla, Third Floor



Photo 88

Dampness/Seepage on Wall No. 4 of Toilet No. 1 of Passage-1 of Sarraf Katla, Third Floor



Photo 89

Damaged Portion on Wall No. 7 of Toilet No. 1 of Passage-1 of Sarraf Katla, Third Floor



Photo 90

Damaged Portion on Wall No. 1 of Toilet No. 2 of Passage-1 of Sarraf Katla, Third Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 91

Dampness/Seepage on Wall No. 1 & 4 of Toilet No. 2 of Passage-1 of Sarraf Katla, Third Floor



Photo 92

Dampness/Seepage on Wall No. 4 of Toilet No. 1 of Sarraf Katla, Fourth Floor



Photo 93

Peeling of Plaster on Left Side View of Sarraf Katla of Ground Floor



Photo 94

Peeling of Plaster on Left Side View of Sarraf Katla of Ground Floor



Photo 95

Peeling of Plaster on Left Side View of Sarraf Katla of Ground Floor



Photo 96

Peeling of Plaster on Left Side View of Sarraf Katla of Ground Floor

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 97

Peeling of Plaster on of Left Side View of Sarraf Katla of First Floor



Photo 98

Peeling of Plaster on of Left Side View of Sarraf Katla of First Floor



Photo 99

Peeling of Plaster on of Left Side View of Sarraf Katla of First Floor



Photo 100

Toilet No. 1 of Sarraf Katla, Ground Floor Locked



Photo 101

All Wall of Shop No. 204 of Sarraf Katla of Ground Floor Covered With Materials



Photo 102

All Wall of Shop No. 204 of Sarraf Katla of Ground Floor Covered With Materials

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 103
Shop No. 122 of Sarraf Katla of Ground Floor Locked



Photo 104
Shop No. 123 of Sarraf Katla of Ground Floor Locked



Photo 105
Shop No. 125 of Sarraf Katla of Ground Floor Locked



Photo 106
Shop No. 115 of Sarraf Katla of Ground Floor Locked



Photo 107
Shop No. 115 of Sarraf Katla of Ground Floor Locked



Photo 108
Shop No. 117 of Sarraf Katla of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 109

Wall No. 1 & 4 of Shop No. 118 & 119 of Sarraf Katla of Ground Floor Covered Materials



Photo 110

Wall No. 2 & 4 of Shop No. 118 & 119 of Sarraf Katla of Ground Floor Covered With Glass



Photo 111

Roof of Shop No. 118 & 119 of Sarraf Katla of Ground Floor Covered With False Ceiling.



Photo 112

Wall No. 1 & 4 of Shop No. 108, 109 & Passage-2 of Ground Floor Covered With Materials

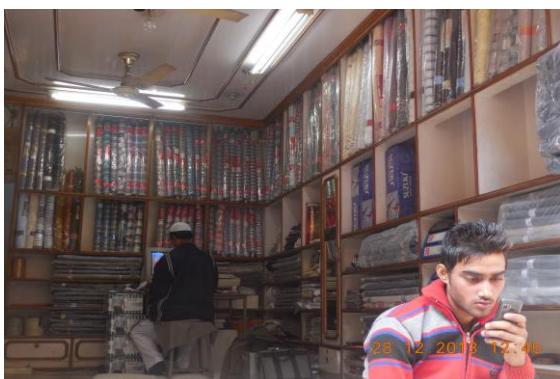


Photo 113

Wall No. 2 & 4 of Shop No. 108, 109 & Passage-2 of Ground Floor Covered With Materials



Photo 114

Roof of Shop No. 108, 109 & Passage-2 of Ground Floor Covered With False Ceiling.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 115
Shop No. 110 of Sarraf Katla of Ground Floor Locked



Photo 116
Wall No. 1 & 4 of Shop No.111 of Sarraf Katla of Ground Floor Covered With Materials



Photo 117
Wall No. 2 & 4 of Shop No.111 of Sarraf Katla of Ground Floor Covered With Materials



Photo 118
Roof of Shop No.112 of Sarraf Katla of Ground Floor Covered With False Ceiling.



Photo 119
Shop No. 101 of Sarraf Katla of Ground Floor Locked



Photo 120
Shop No. 102 of Sarraf Katla of Ground Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 121
Wall No. 2 of Shop No. 103 of Sarraf Katla of Ground Floor



Photo 122
Shop No. 104 of Sarraf Katla of Ground Floor Locked



Photo 123
Shop No. 105 of Sarraf Katla of Ground Floor Locked



Photo 124
Wall No. 1 & 4 of Shop No. 21 of Sarraf Katla of Ground Floor Covered With Materials



Photo 125
Wall No. 2 & 4 of Shop No. 21 of Sarraf Katla of Ground Floor Covered With Materials



Photo 126
Shop No. 2 of Sarraf Katla of Basement Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 127

All Wall of Shop No. 3 & 4 of Sarraf Katla of Basement Covered With Materials



Photo 128

All Wall of Shop No. 3 & 4 of Sarraf Katla of Basement Covered With Materials



Photo 129

Shop No. 5 of Sarraf Katla of Basement Locked



Photo 130

Shop No. 6, 7, 8 & 9 of Sarraf Katla of Basement Locked



Photo 131

Shop No. 14 of Sarraf Katla of Under Stair Locked



Photo 132

Shop No. 10 of Sarraf Katla of Basement Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 133
Shop No. 11 of Sarraf Katla of Basement Locked



Photo 134
Shop No. 12 of Sarraf Katla of Basement Locked



Photo 135
Wall No. 1 & 4 of Shop No. 13 of Sarraf Katla of Basement Covered With Materials



Photo 136
Shop No. 13 of Sarraf Katla of Basement Covered With False Ceiling.



Photo 137
Passage-2 of Sarraf Katla of Basement - 2 Locked



Photo 138
Shop No. 18 & 19 of Sarraf Katla of Basement Under Renovation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 139
Shop No. 18 & 19 of Sarraf Katla of Basement Under Renovation



Photo 140
Roof of Shop No. 18 & 19 of Sarraf Katla of Basement Covered With False Ceiling.



Photo 141
Shop No. 220 of Sarraf Katla of First Floor Locked



Photo 142
Shop No. 221 of Sarraf Katla of First Floor Locked



Photo 143
Shop No. 222 of Sarraf Katla of First Floor Locked



Photo 144
Shop No. 223 of Sarraf Katla of First Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 145
Shop No. 224 of Sarraf Katla of First Floor Locked



Photo 146
Shop No. 225 of Sarraf Katla of First Floor Locked



Photo 147
Shop No. 214 of Sarraf Katla of First Floor Locked



Photo 148
Shop No. 215 of Sarraf Katla of First Floor Locked

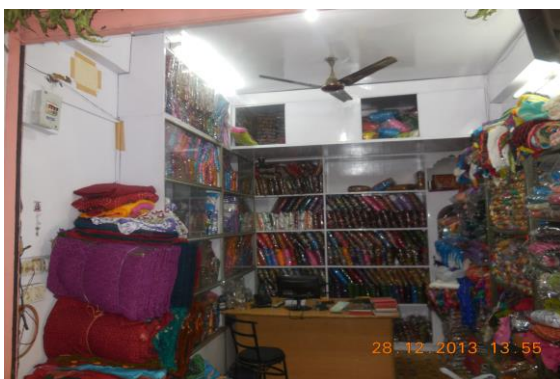


Photo 149
Wall No. 1 & 4 of Shop No. 216 of Sarraf Katla of First Floor Covered With Materials



Photo 150
Wall No. 2 & 4 of Shop No. 216 of Sarraf Katla of First Floor Covered With Materials

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 151
Shop No. 217 of Sarraf Katla of First Floor Locked



Photo 152
Shop No. 218 of Sarraf Katla of First Floor Locked



Photo 153
Shop No. 219 of Sarraf Katla of First Floor Locked



Photo 154
Wall No. 1 & 4 of Shop No. 208 & 209 of Sarraf Katla of First Floor Covered With Materials



Photo 155
Wall No. 4 of Shop No. 208 & 209 of Sarraf Katla of First Floor Covered With Materials



Photo 156
Roof of Shop No. 208 & 209 of Sarraf Katla of First Floor Covered With False Ceiling.

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 157
Shop No. 210 of Sarraf Katla of First Floor Locked



Photo 158
Shop No. 211 of Sarraf Katla of First Floor Locked



Photo 159
Shop No. 213 of Sarraf Katla of First Floor Locked



Photo 160
Shop No. 202 of Sarraf Katla of First Floor Locked



Photo 161
Shop No. 203 of Sarraf Katla of First Floor Locked



Photo 162
Shop No. 204 of Sarraf Katla of First Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 163
Shop No. 205 of Sarraf Katla of First Floor Locked



Photo 164
Shop No. 206 of Sarraf Katla of First Floor Locked



Photo 165
Shop No. 207 of Sarraf Katla of First Floor Locked



Photo 166
Shop No. 301 of Sarraf Katla of Second Floor Locked



Photo 167
Shop No. 308 & 309 of Sarraf Katla of Second Floor Locked



Photo 168
Shop No. 308 & 309 of Sarraf Katla of Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 169
Shop No. 311 of Sarraf Katla of Second Floor Locked



Photo 170
Shop No. 312 of Sarraf Katla of Second Floor Locked



Photo 171
Shop No. 313 of Sarraf Katla of Second Floor Locked



Photo 172
Shop No. 314 of Sarraf Katla of Second Floor Locked



Photo 173
Shop No. 315 of Sarraf Katla of Second Floor Locked



Photo 174
Shop No. 316 of Sarraf Katla of Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 175
Shop No. 318 of Sarraf Katla of Second Floor Locked



Photo 176
Shop No. 319 of Sarraf Katla of Second Floor Locked



Photo 177
Shop No. 320 of Sarraf Katla of Second Floor



Photo 178
Shop No. 321 of Sarraf Katla of Second Floor Locked



Photo 179
Shop No. 322 of Sarraf Katla of Second Floor Locked



Photo 180
Shop No. 325 of Sarraf Katla of Second Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 181

All Wall of Toilet No. 2 of Sarraf Katla ,Second Floor Covered With Tiles



Photo 182

Shop No. 402 of Sarraf Katla of Third Floor Locked



Photo 183

Shop No. 403 of Sarraf Katla of Third Floor Locked



Photo 184

Shop No. 407 of Sarraf Katla of Third Floor Locked



Photo 185

Shop No. 408 of Sarraf Katla of Third Floor Locked



Photo 186

Shop No. 410 of Sarraf Katla of Third Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 187
Shop No. 412 of Sarraf Katla of Third Floor Locked



Photo 188
Shop No. 413 of Sarraf Katla of Third Floor Locked



Photo 189
Shop No. 414 of Sarraf Katla of Third Floor Locked



Photo 190
Shop No. 415 of Sarraf Katla of Third Floor Locked



Photo 191
Shop No. 416 of Sarraf Katla of Third Floor Locked



Photo 192
Shop No. 417 of Sarraf Katla of Third Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 193
Shop No. 418 of Sarraf Katla of Third Floor Locked



Photo 194
Shop No. 419 of Sarraf Katla of Third Floor Locked



Photo 195
Shop No. 420 of Sarraf Katla of Third Floor Locked



Photo 196
Shop No. 421 of Sarraf Katla of Third Floor Locked



Photo 197
Shop No. 422 of Sarraf Katla of Third Floor Locked



Photo 198
Shop No. 423 of Sarraf Katla of Third Floor Locked

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



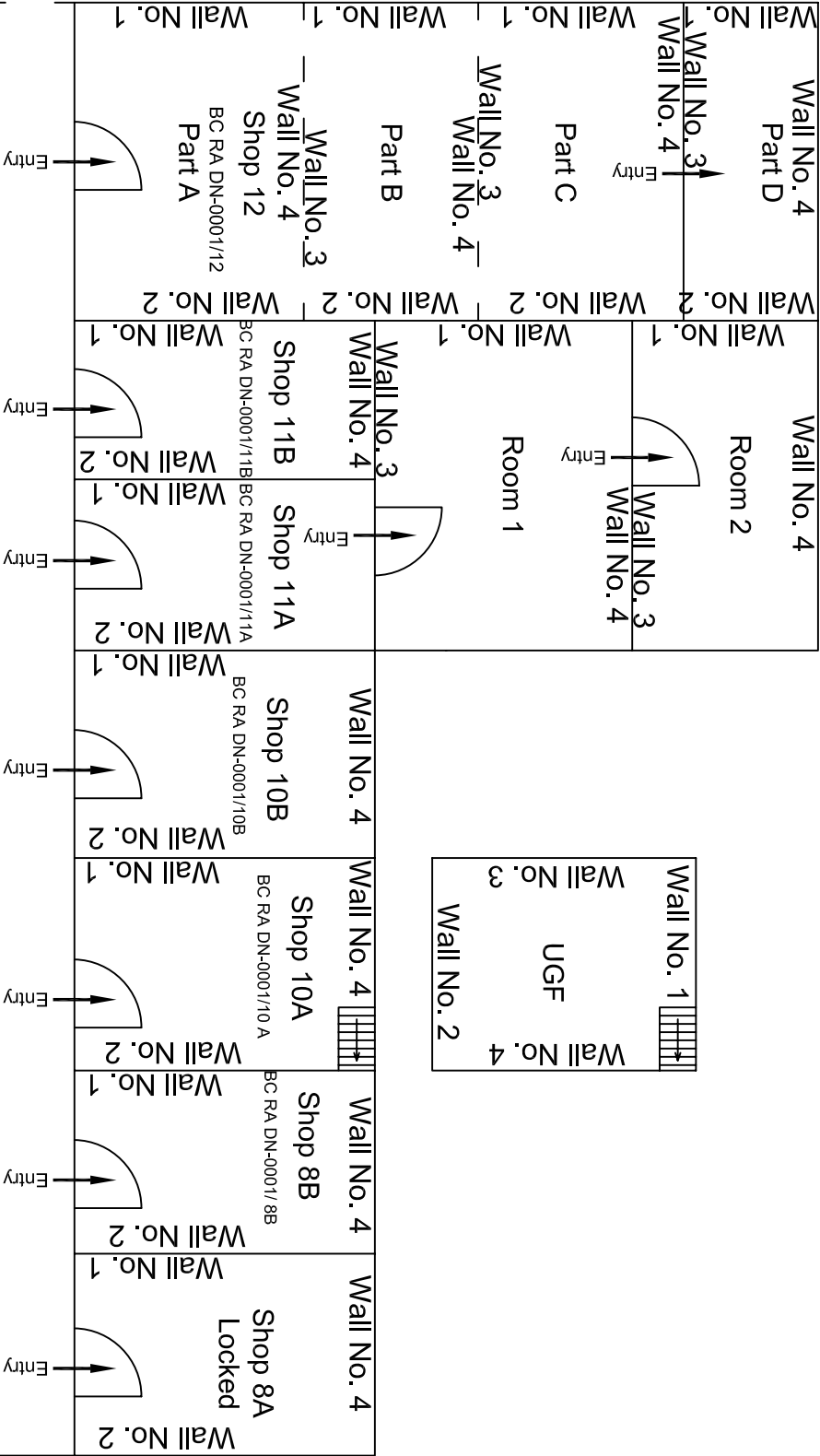
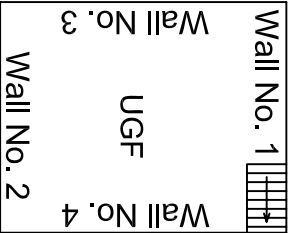
Photo 199
Shop No. 425 of Sarraf Katla of Third Floor Locked



Photo 200
Room No. 2 of Sarraf Katla, Fourth Floor Locked



Photo 201
Room No. 1 of Sarraf Katla, Fourth Floor Covered With Tiles

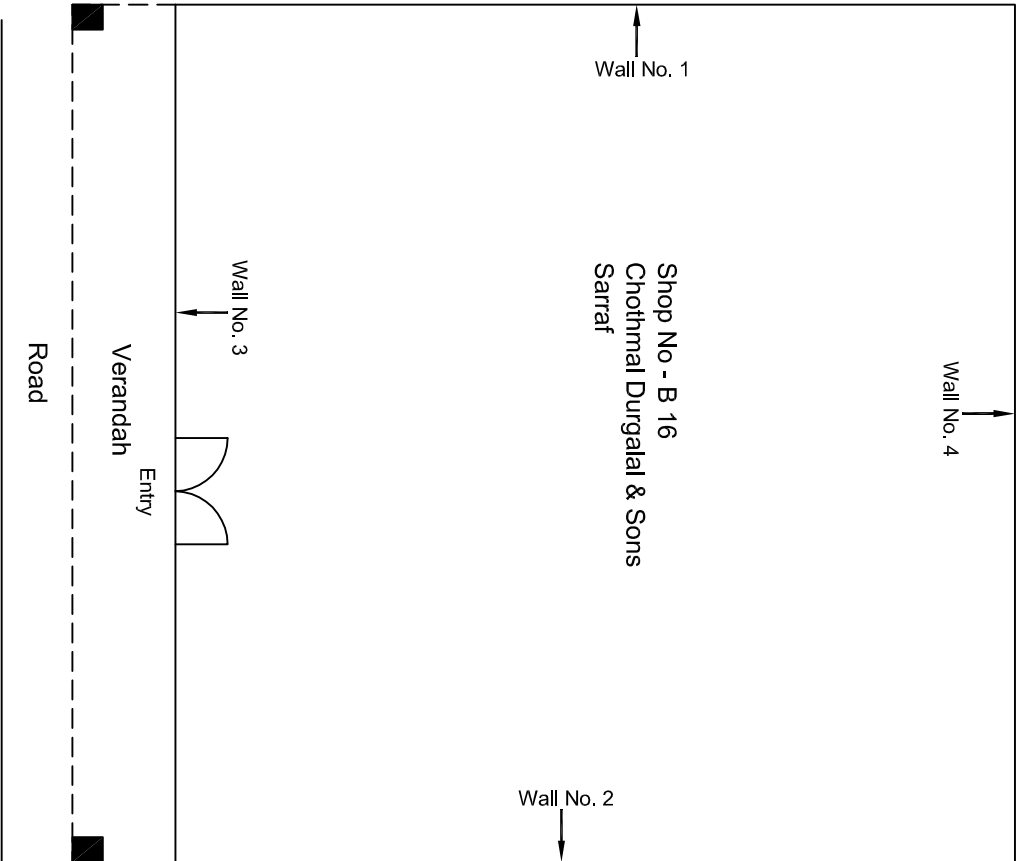


Varandah

Varandah

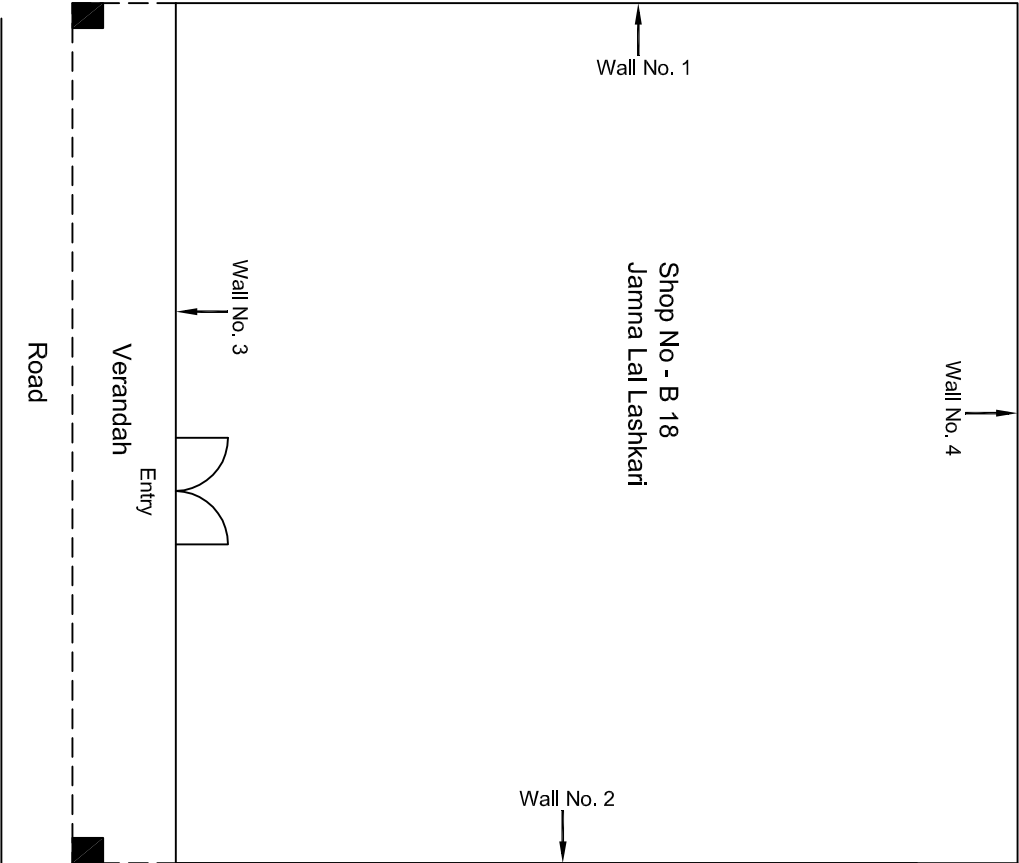
Ground & Upper Ground Floor Plan

			CONSULTANT:	MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
			OMIKRON KAPPA - INDUS	CEC	AIMIL LIMITED			
			CONSULTRANS JV					
			CLIENT:	CONTRACT:				
			DMRC/JMRC	Jaipur Metro Phase 1B		DRAWING TITLE:	Ground & Upper Ground Floor Plan of Shop No. 7 to 12	
00		NP	Dr. PKC	16.11.2013		DRAWING NO.:	AIMIL/ESG/12315/ BC-RA-DN-0001 /01	REVISION:
						SCALE:	Not to Scale	R0
Revision	Description of Revision	Drawn By	Approved By	Date				



Ground Floor Plan

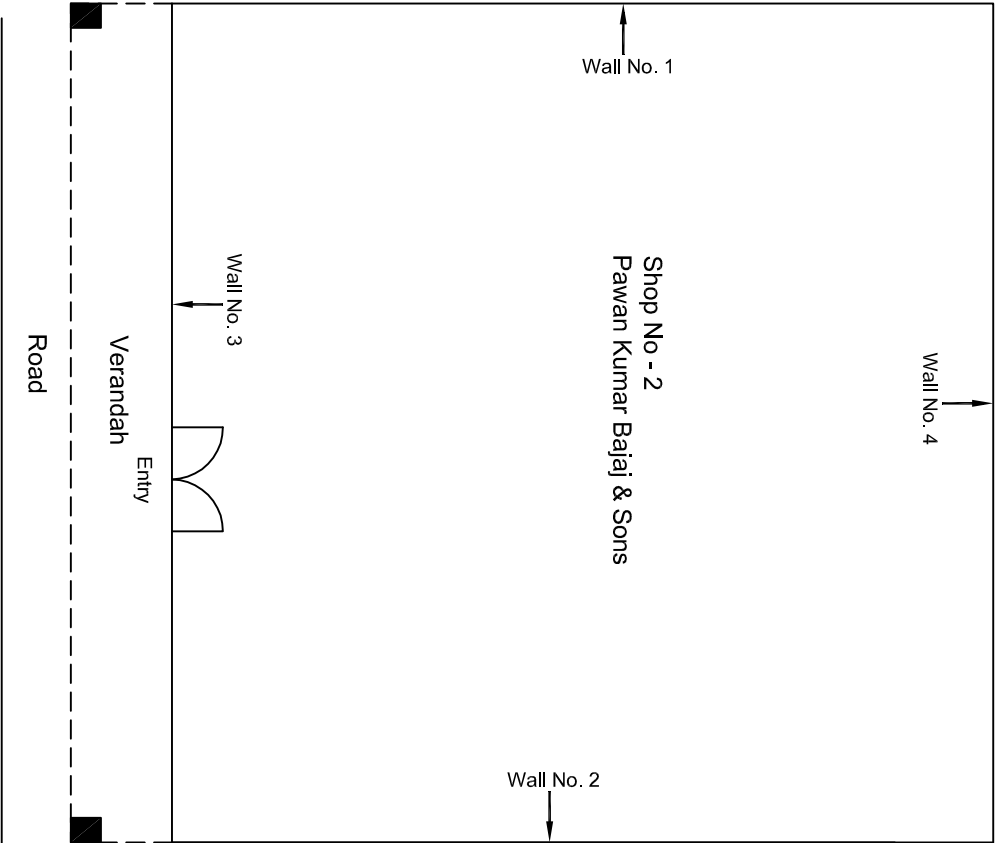
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					Omikron Kappa - Indus Consultants JV	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
					CLIENT:	CONTRACT:		DRAWING TITLE:
					DMRC/JMRC	Jaipur Metro Phase 1B		Ground Floor Plan of Shop No B 16 Sarrafa Bazar, Badi Choupad
00		NP	Dr. PRC	16.11.2013				DRAWING NO.:
Revision	Description of Revision	Drawn By	Approved By	Date				AIMIL/ESG/12315/ BC-RA-DN-0001/B16/ 01
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Ground Floor Plan

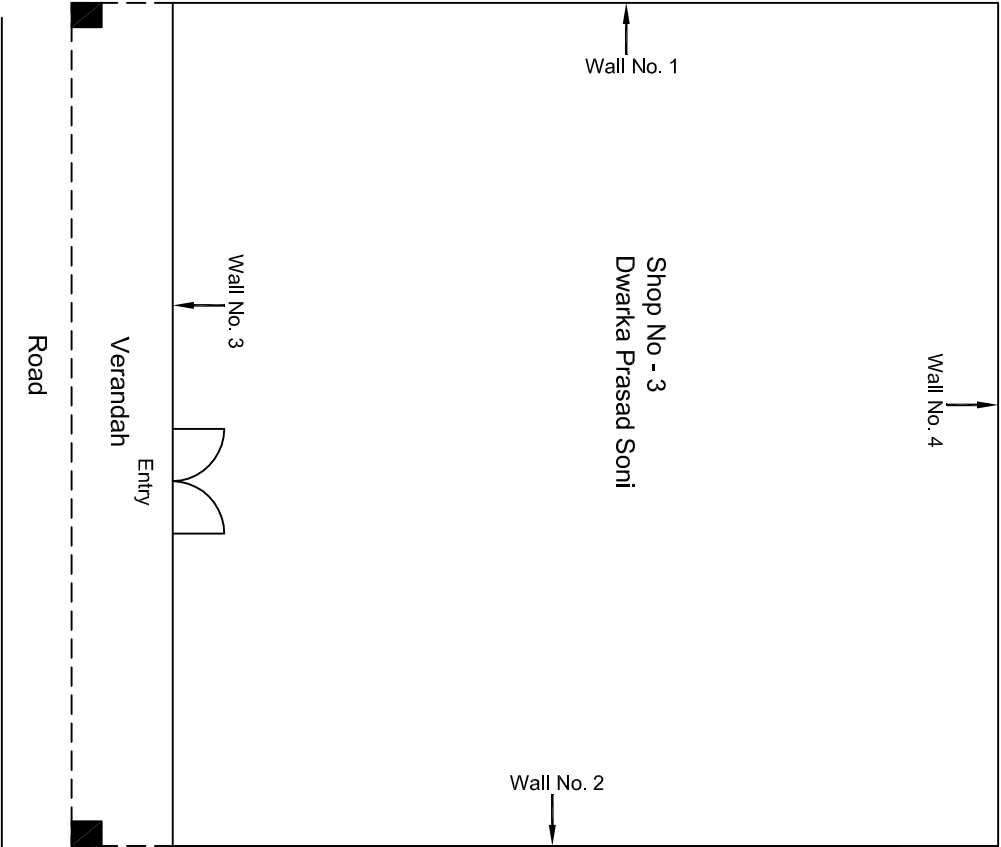
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					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No B-18 Sarafa Bazar, Badi Chopad	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0001/B18/ 01	
00		NP	Dr. PRC	16.11.2013					SCALE: Not to Scale	REVISION: R0
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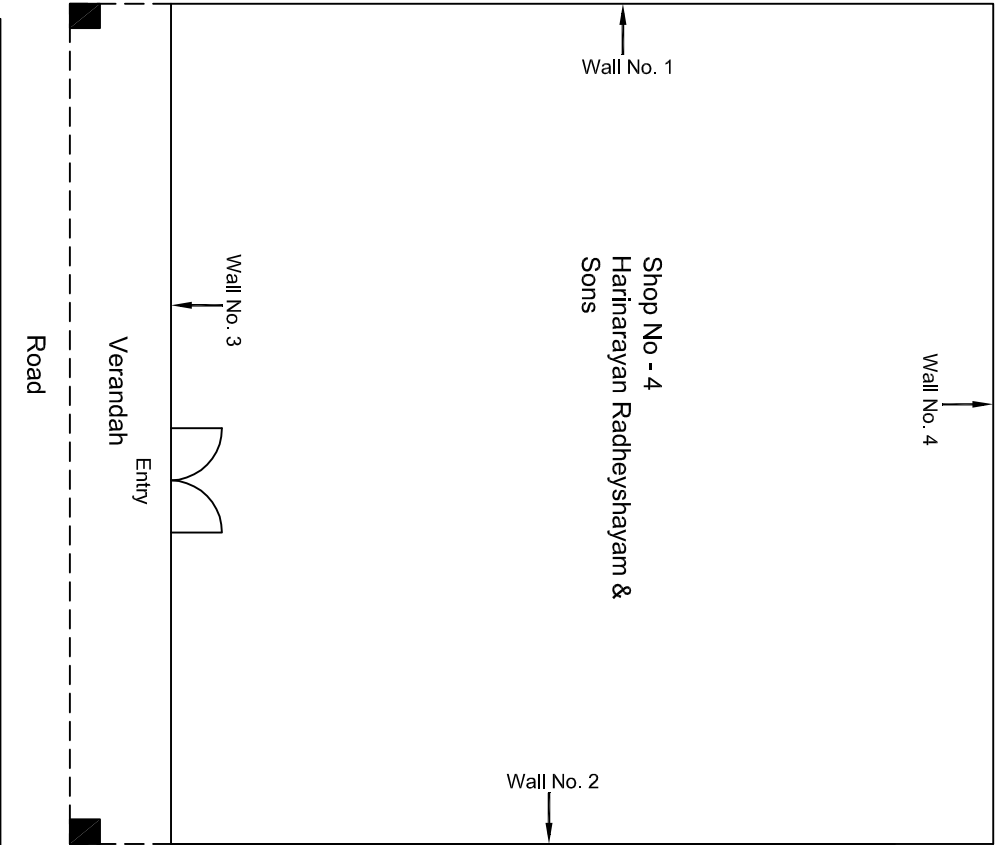
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B	DRAWING TITLE: Ground Floor Plan of Shop No 2 Baksli Ji Ka Chowk, Badi Chopad		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0001/S-2 / 01	REVISION: R0
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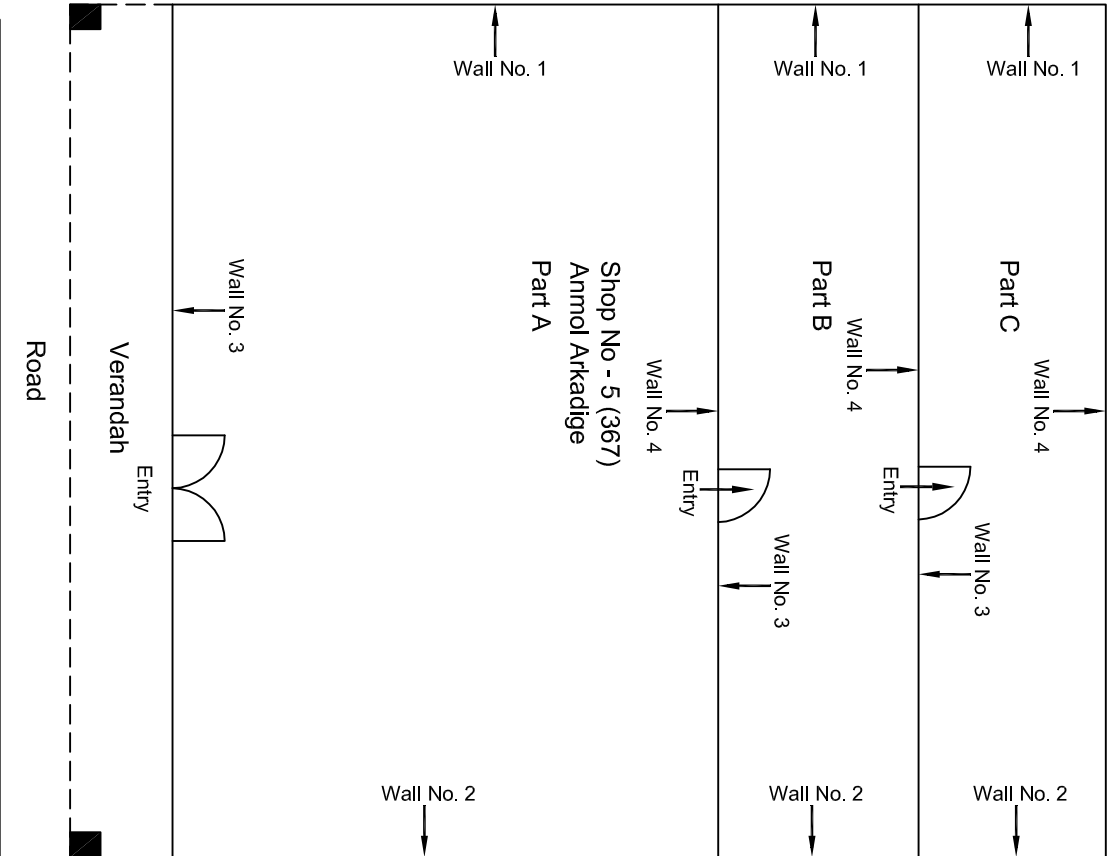
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Ground Floor Plan



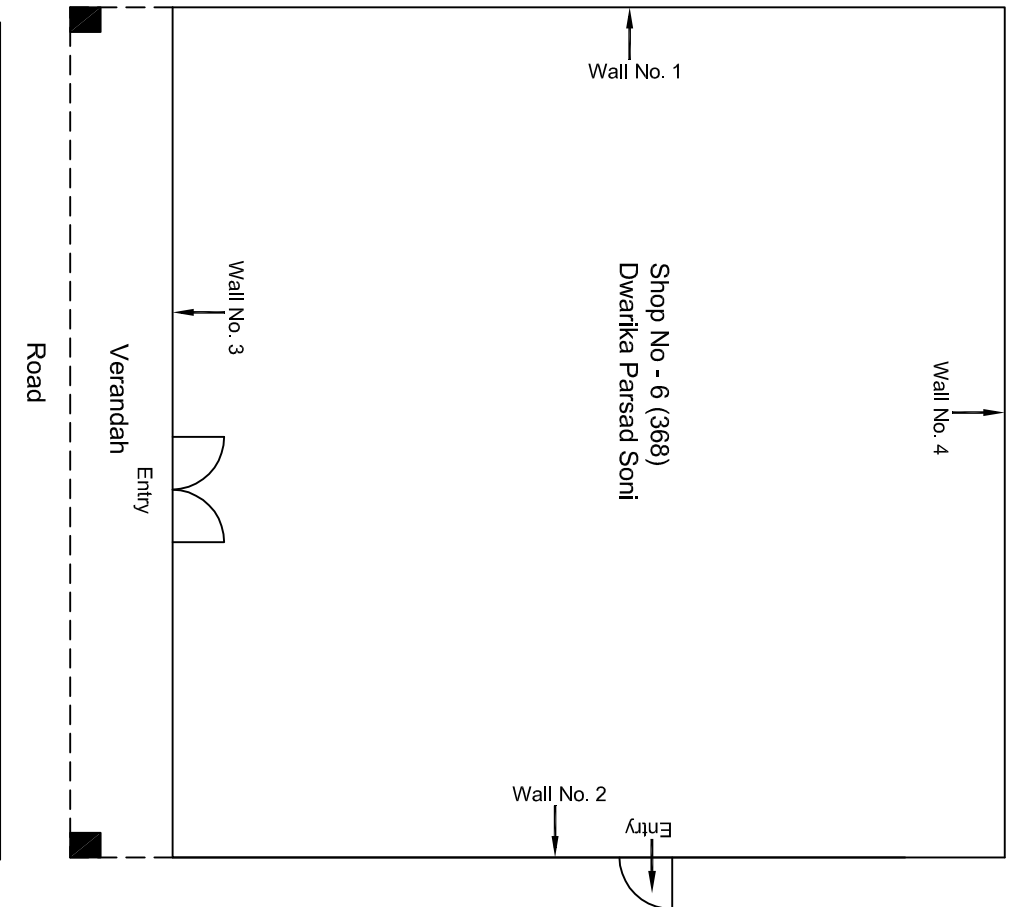
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Ground Floor Plan



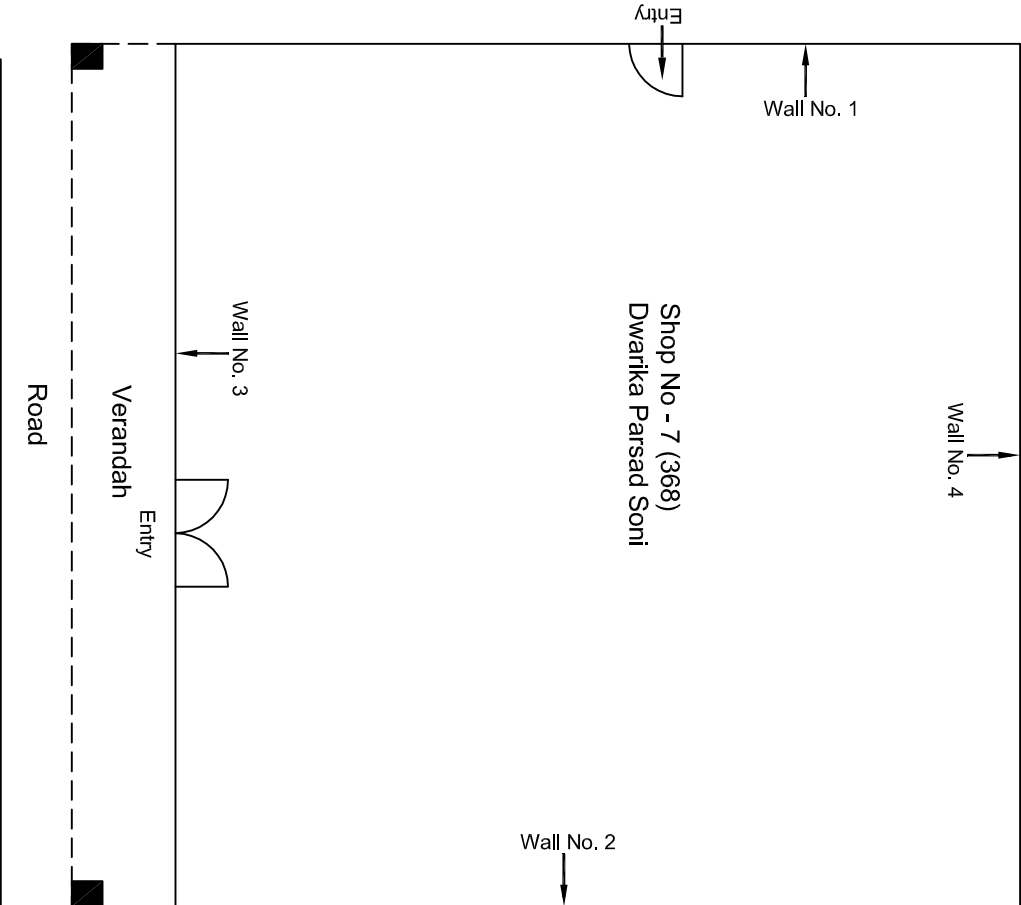
Ground Floor Plan

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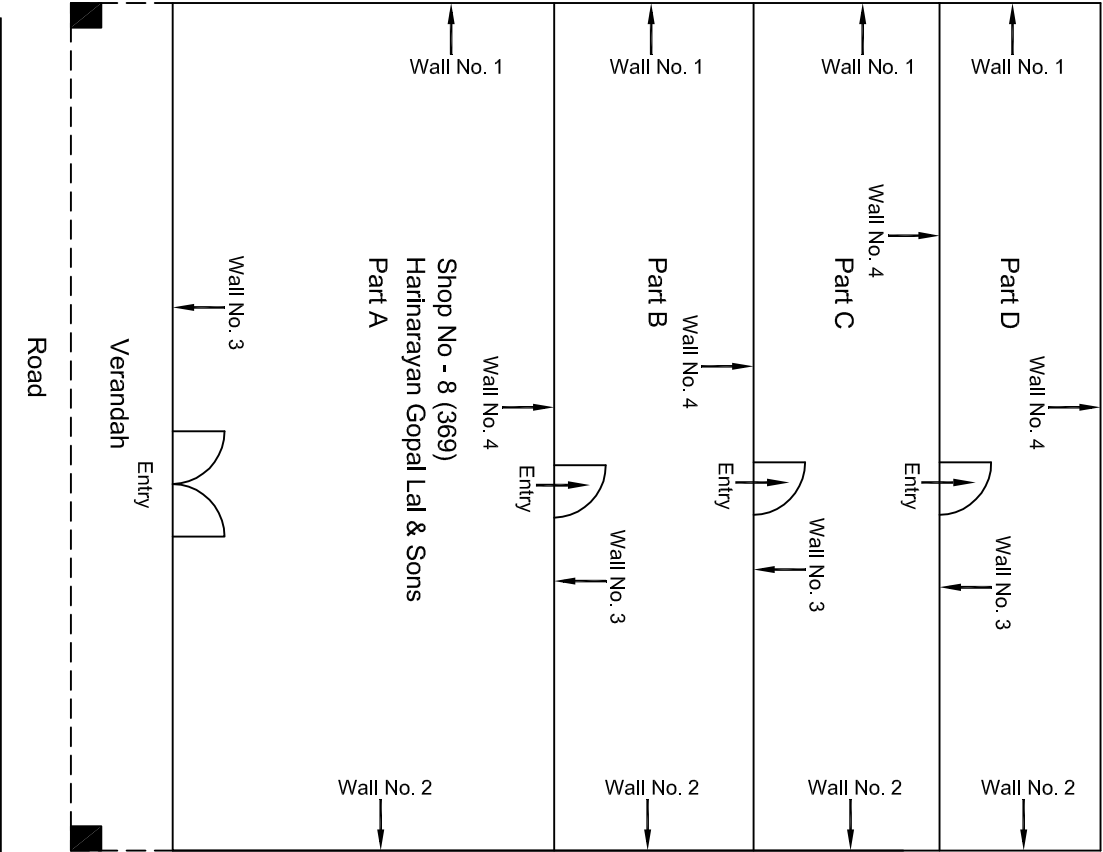
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					DMRC/JMRC	Jaipur Metro Phase 1B		Ground Floor Plan of Shop No 6 Bakshti Ji Ka Chowk, Badi Choupar	AIMIL/ESG/12315/ BC-RA-DN-0001/S-6 / 01	R0
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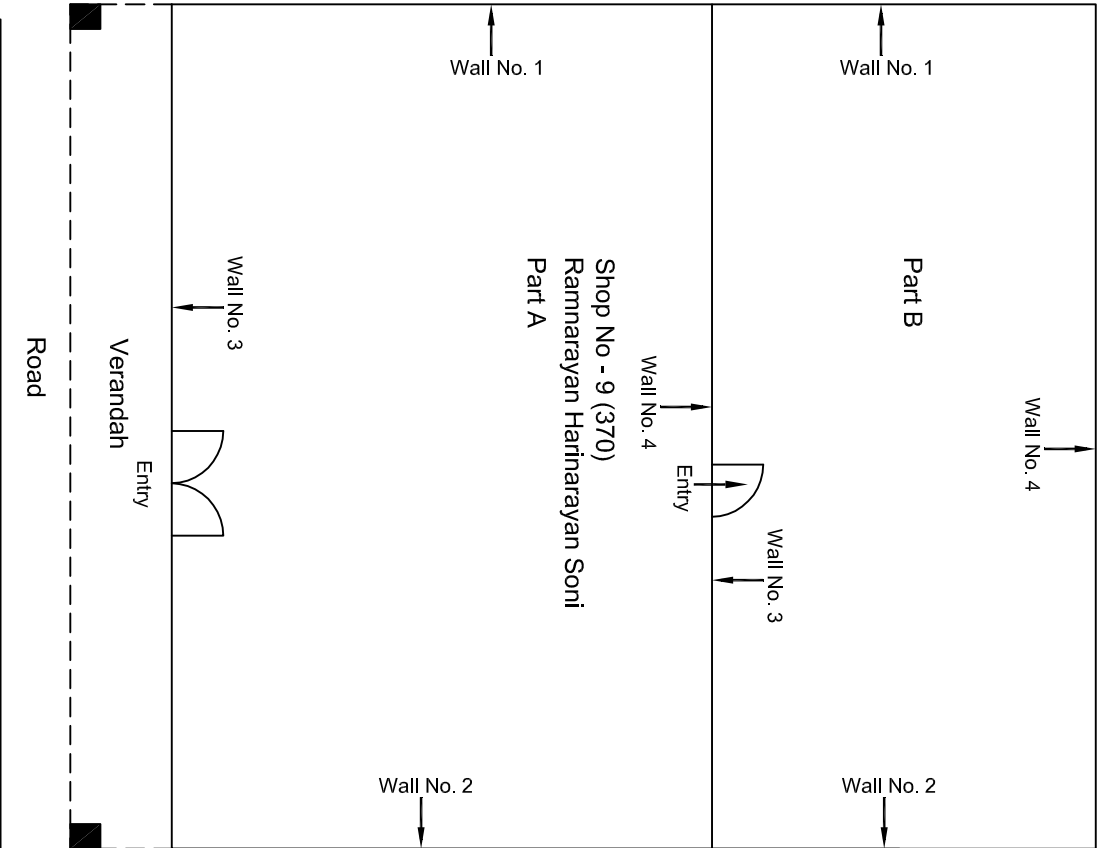
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					DMRC/JMRC	Jaipur Metro Phase 1B		Ground Floor Plan of Shop No 7 Bakshi Ji Ka Chowk, Badi Chopad	AIMIL/ESG/12315/ BC-RA-DN-0001/S-7 / 01	R0
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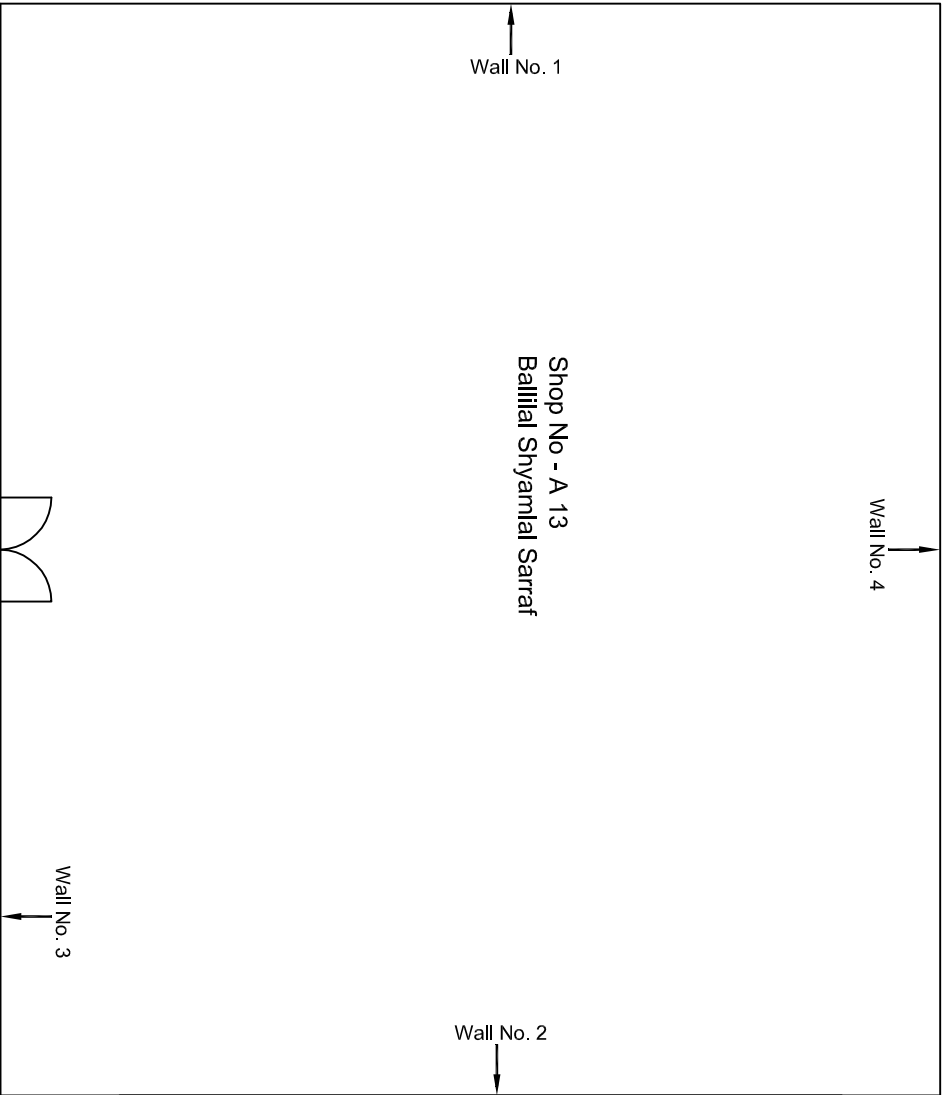
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Revision	Description of Revision	Drawn By	Approved By	Date						



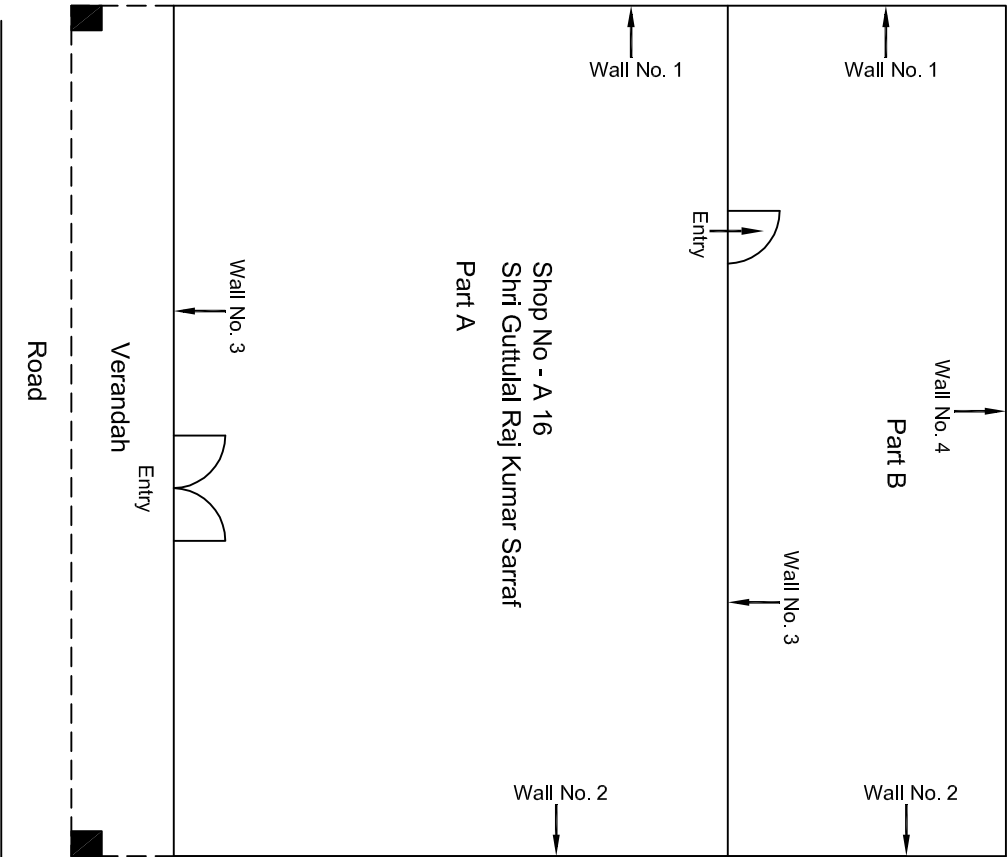
Ground Floor Plan

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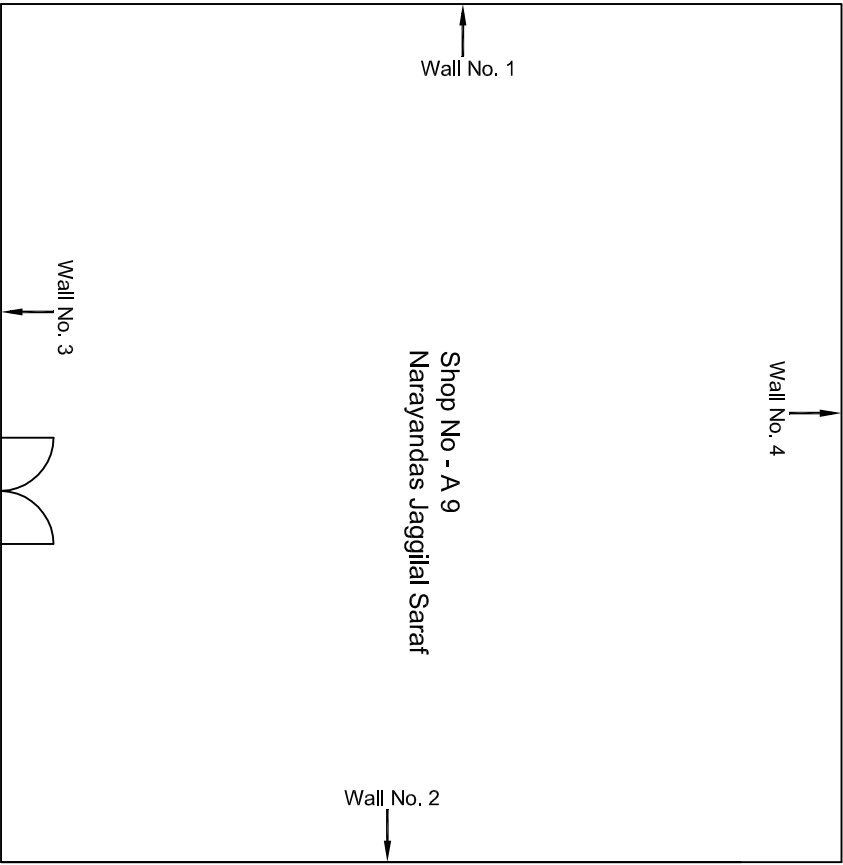
Ground Floor Plan

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00		NP	D. PRC	16.11.2013				DRAWING NO.:
Revision	Description of Revision	Drawn By	Approved By	Date				AIMIL/ESG/12315/ BC-RA-DN-0001/A13/01
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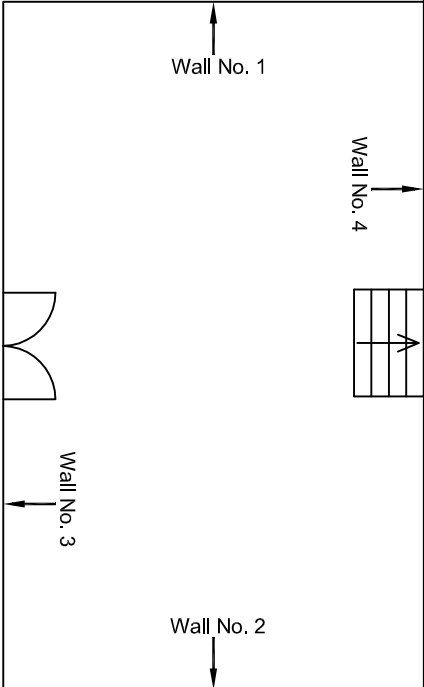
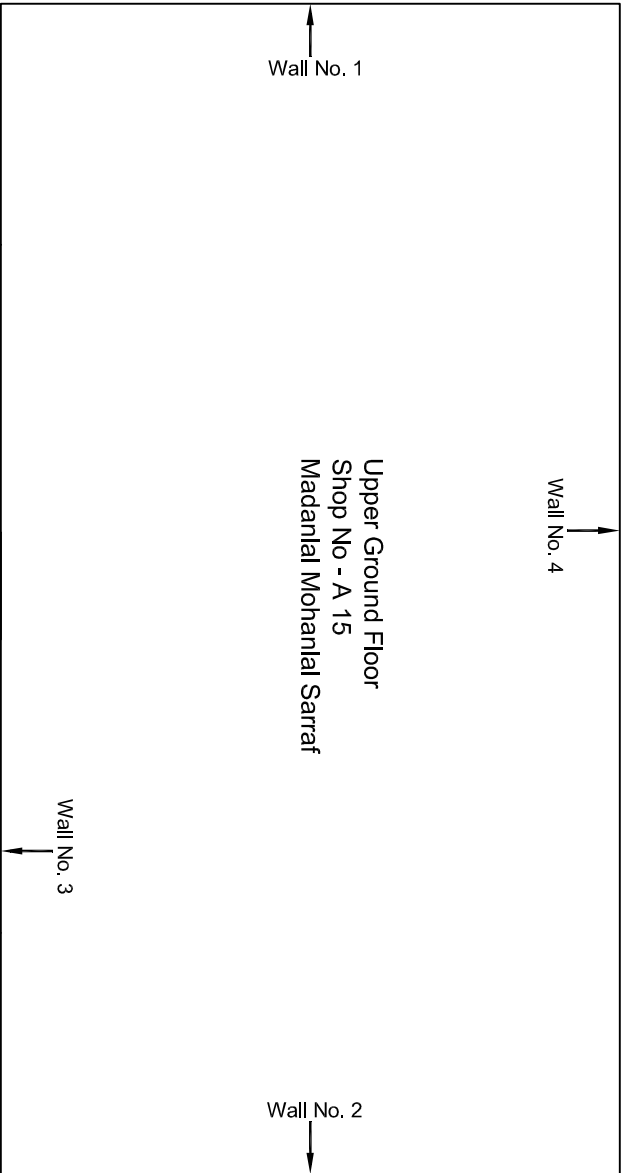
Ground Floor Plan

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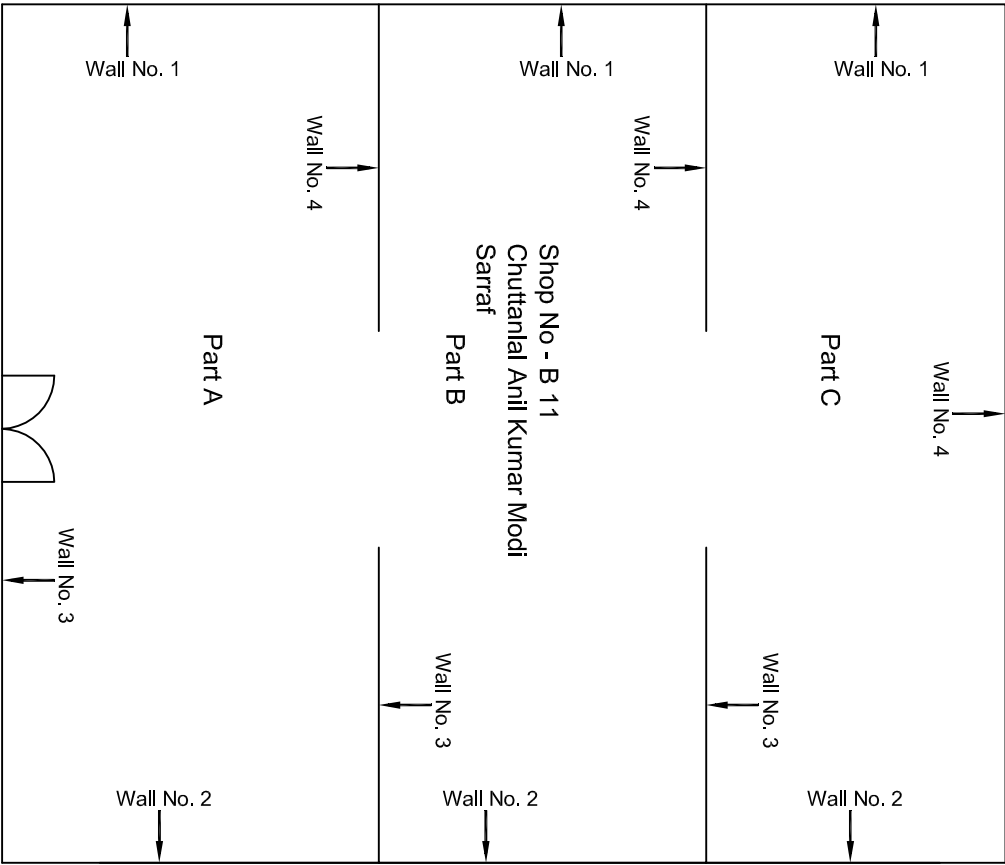
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00		NP	Dr. PRC	16.11.2013				DRAWING TITLE: Ground Floor Plan of Shop No A 9 Sarafa Bazar, Badi Choupad
Revision	Description of Revision	Drawn By	Approved By	Date	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0001/A9/ 01			
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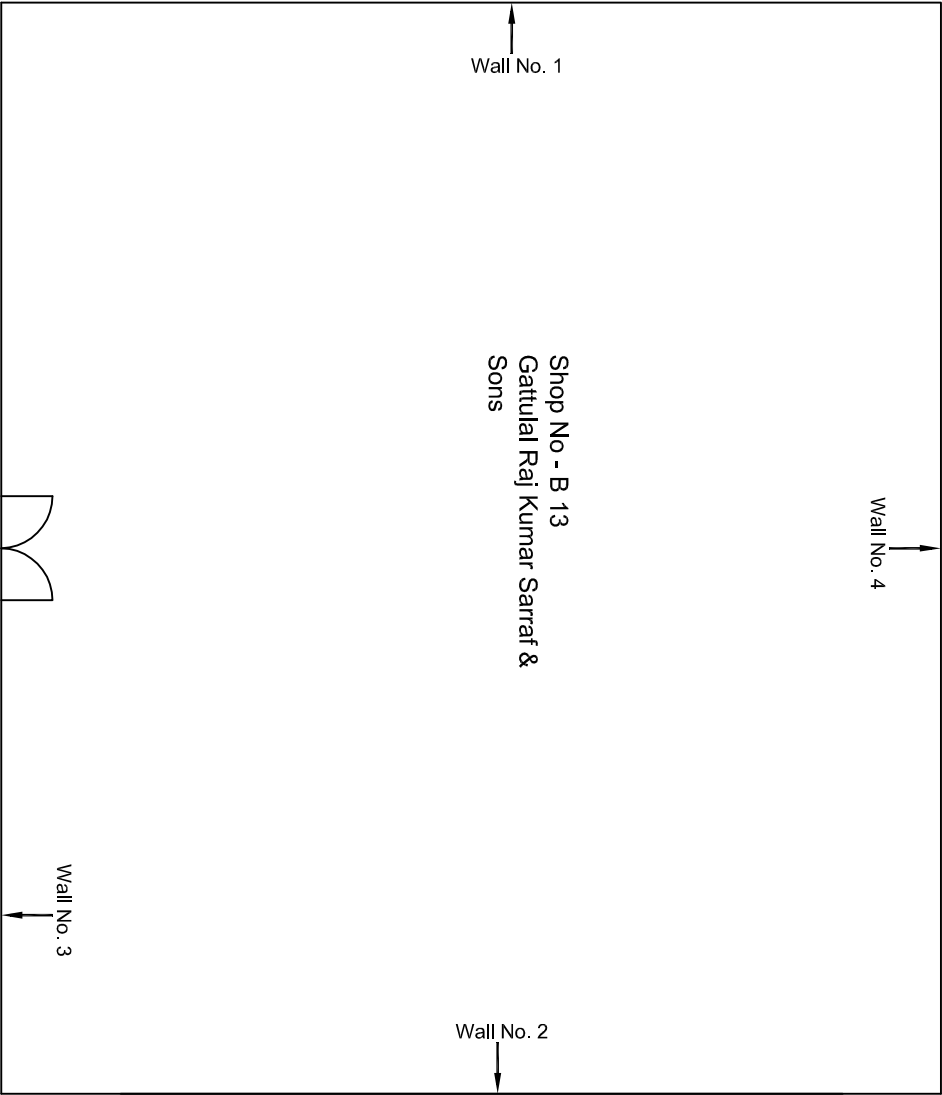
Upper Ground Floor Plan

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					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B				DRAWING TITLE: Upper Ground Floor Plan of Shop No A 15 Sarrafia Bazar, Badi Chopad	
00		NP	Dr. PRC	16.11.2013							DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0001/A15/01	
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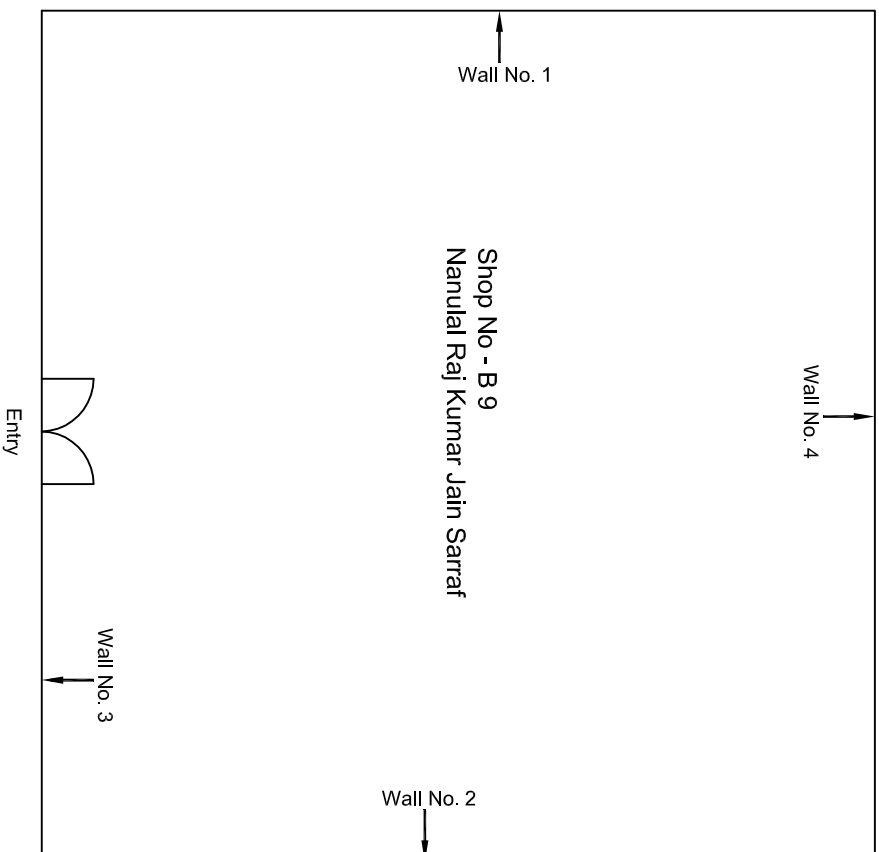
Ground Floor Plan

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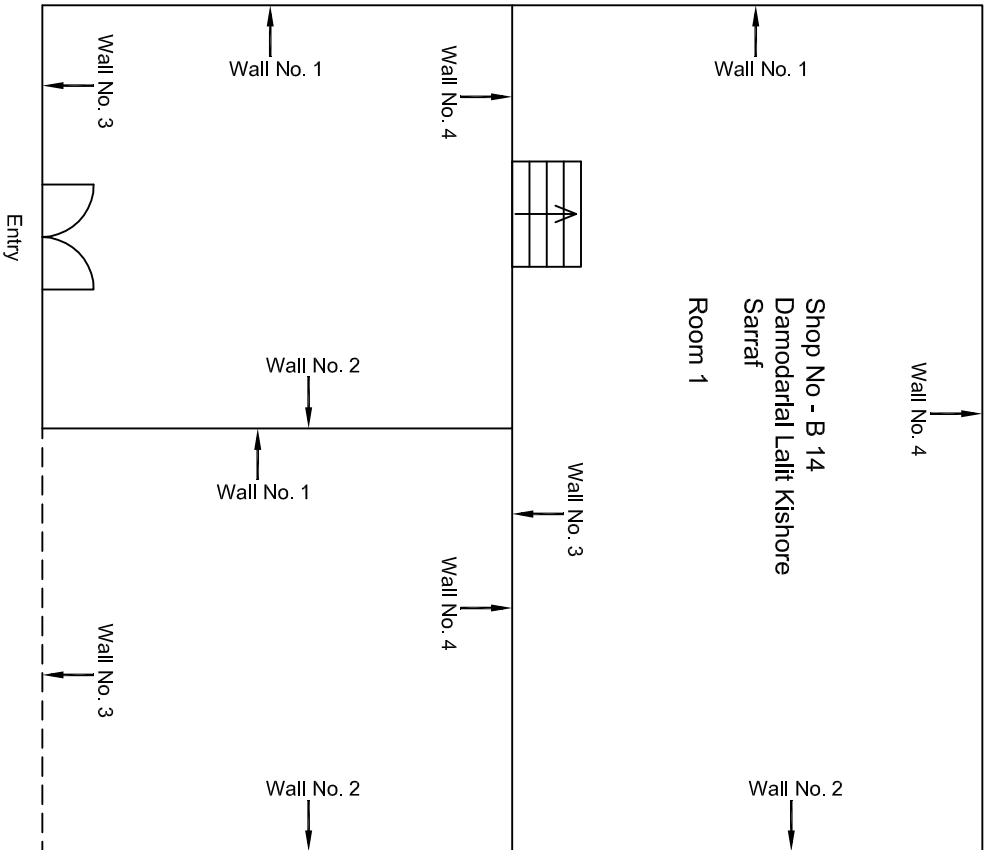
Ground Floor Plan

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Revision	Description of Revision	Drawn By	Approved By	Date							SCALE: Not to Scale	REVISION: R0



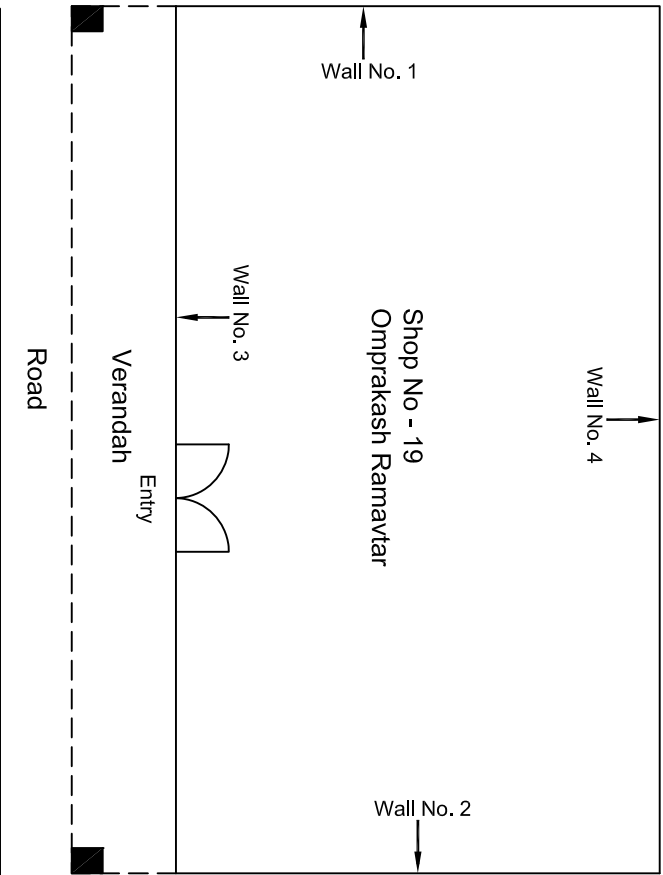
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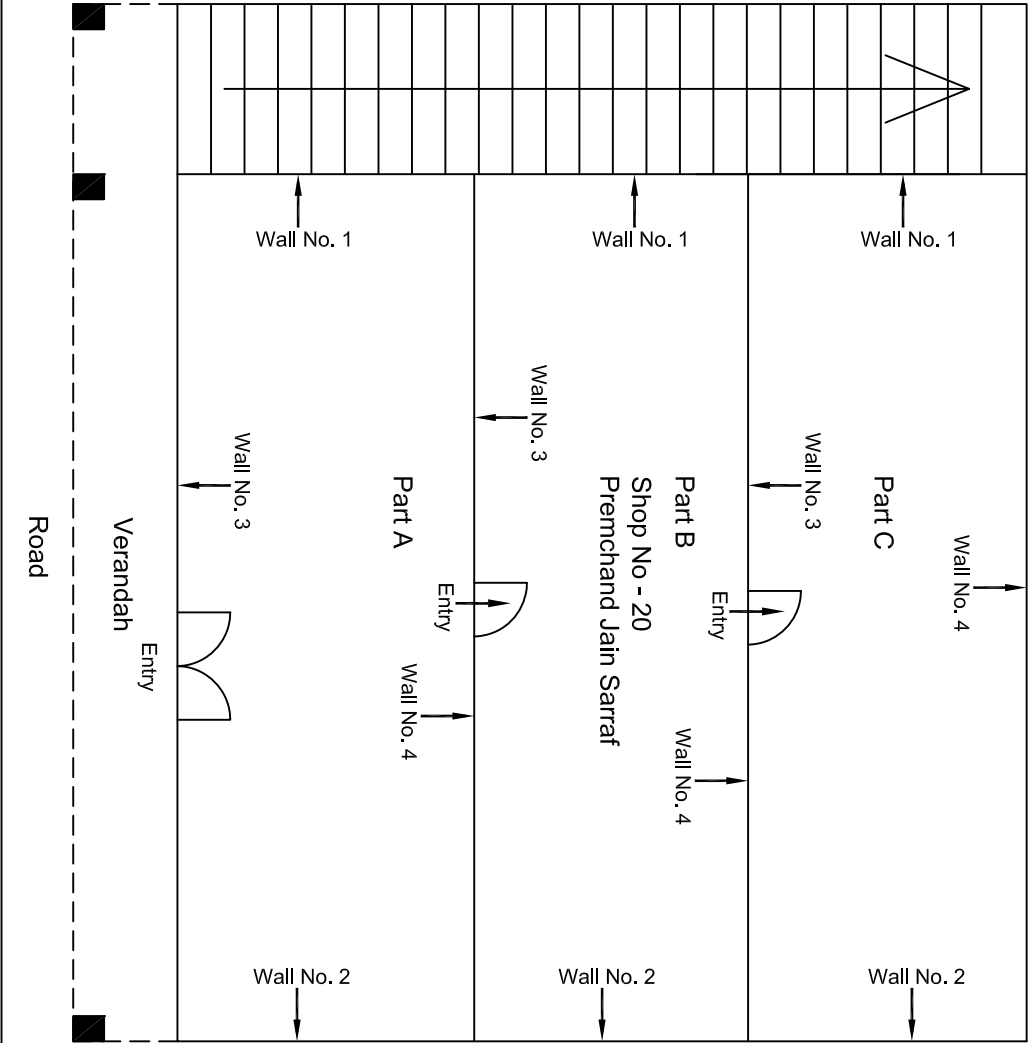
Ground Floor Plan

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					MAIN CONTRACTOR: CONTINENTAL ENGINEERING CORP.				
					CONTRACT: Jaipur Metro phase 1B				
					SUB-CONTRACTOR: AIMIL LIMITED				
					PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B				
					DRAWING TITLE: Ground Floor Plan of Shop No B 14 Sarraf Bazar, Badi Chopad				
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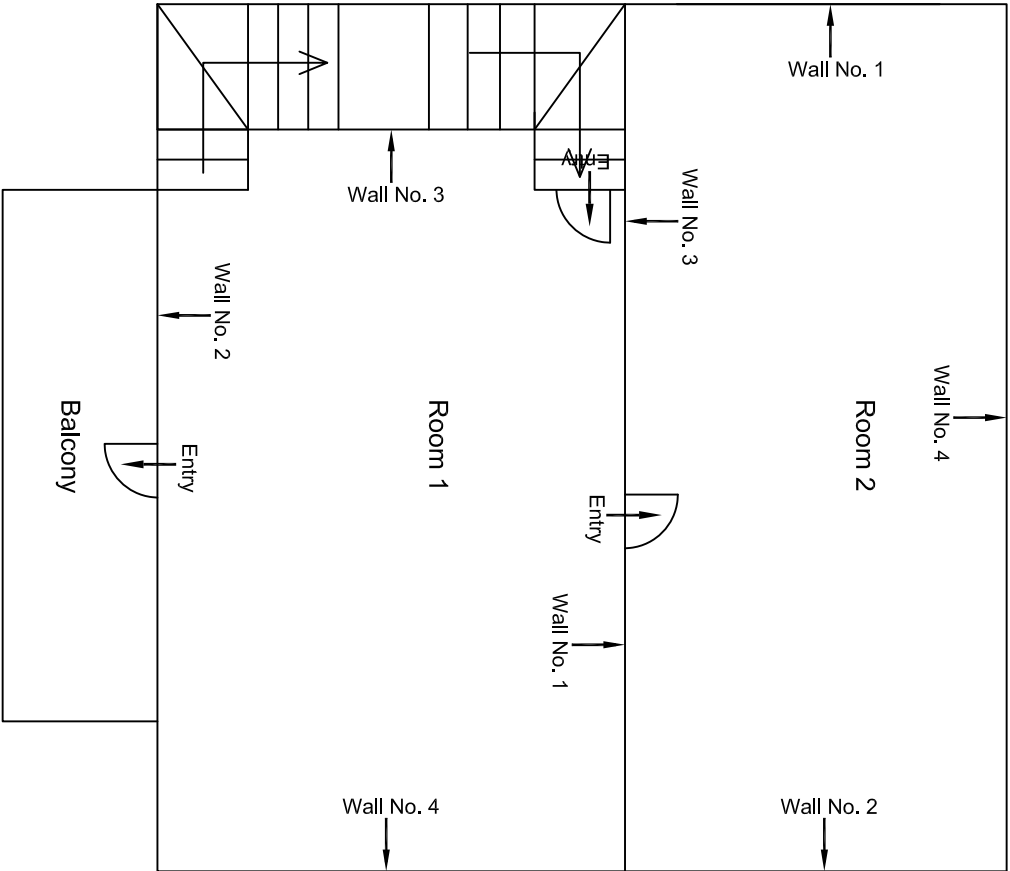
Ground Floor Plan

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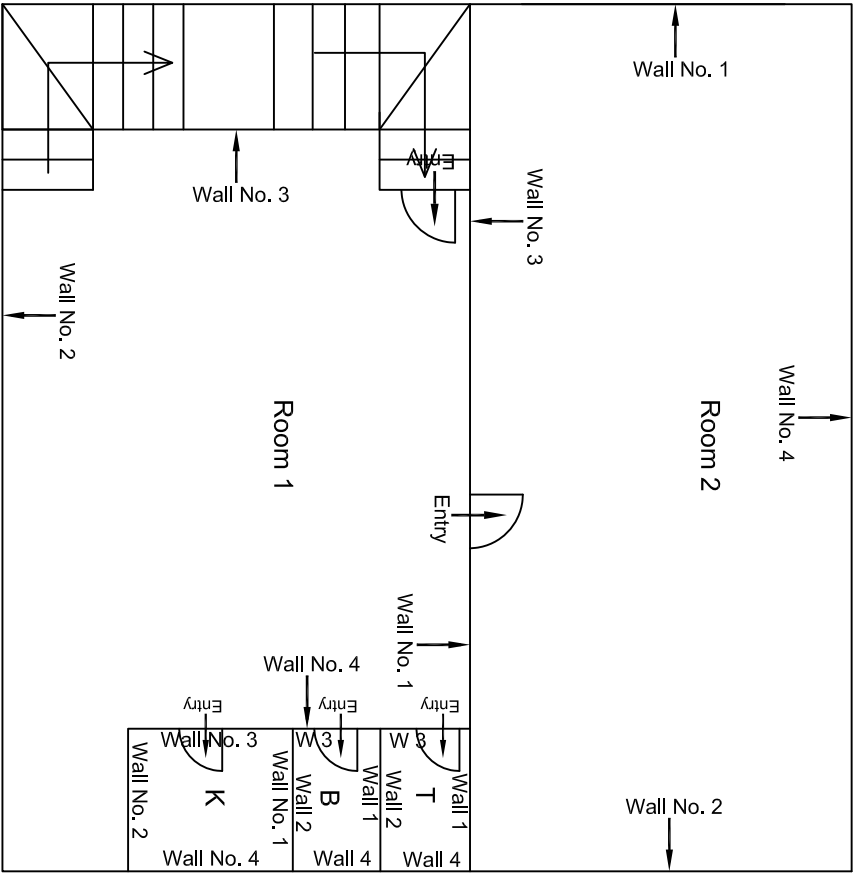
Ground Floor Plan

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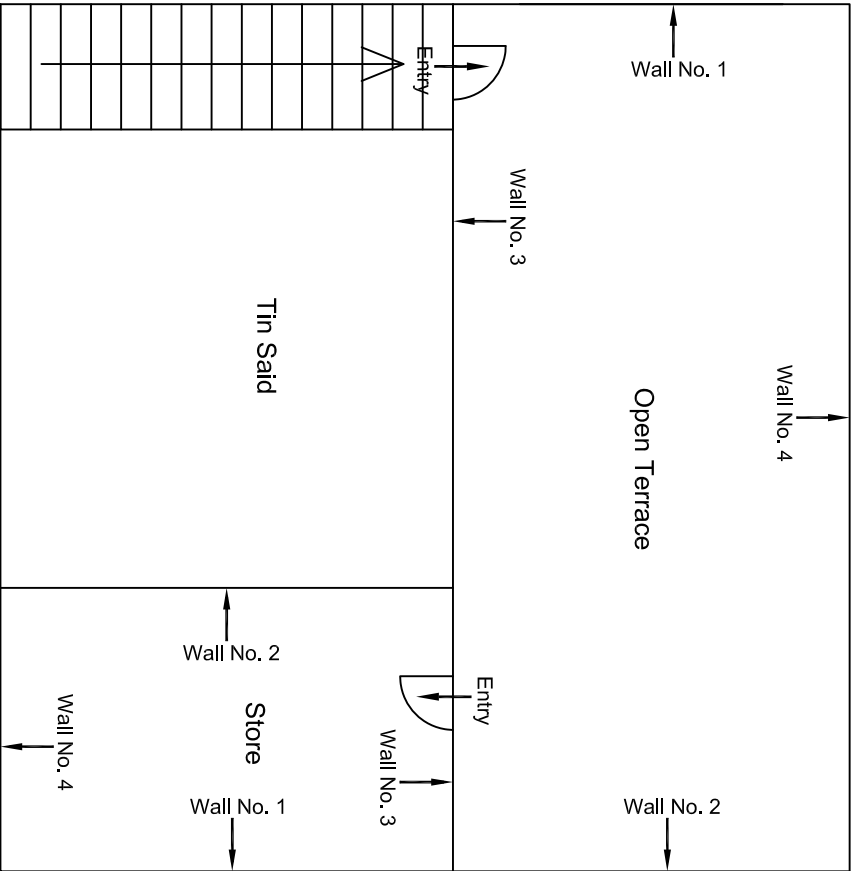
First Floor Plan

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					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of House No. 344, Above Shop No. 20 Ramgani Bazar Badi Choped
								DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0002/FF/SF/ 01
00		NP	Dr. PRC	16.11.2013				SCALE: Not to Scale
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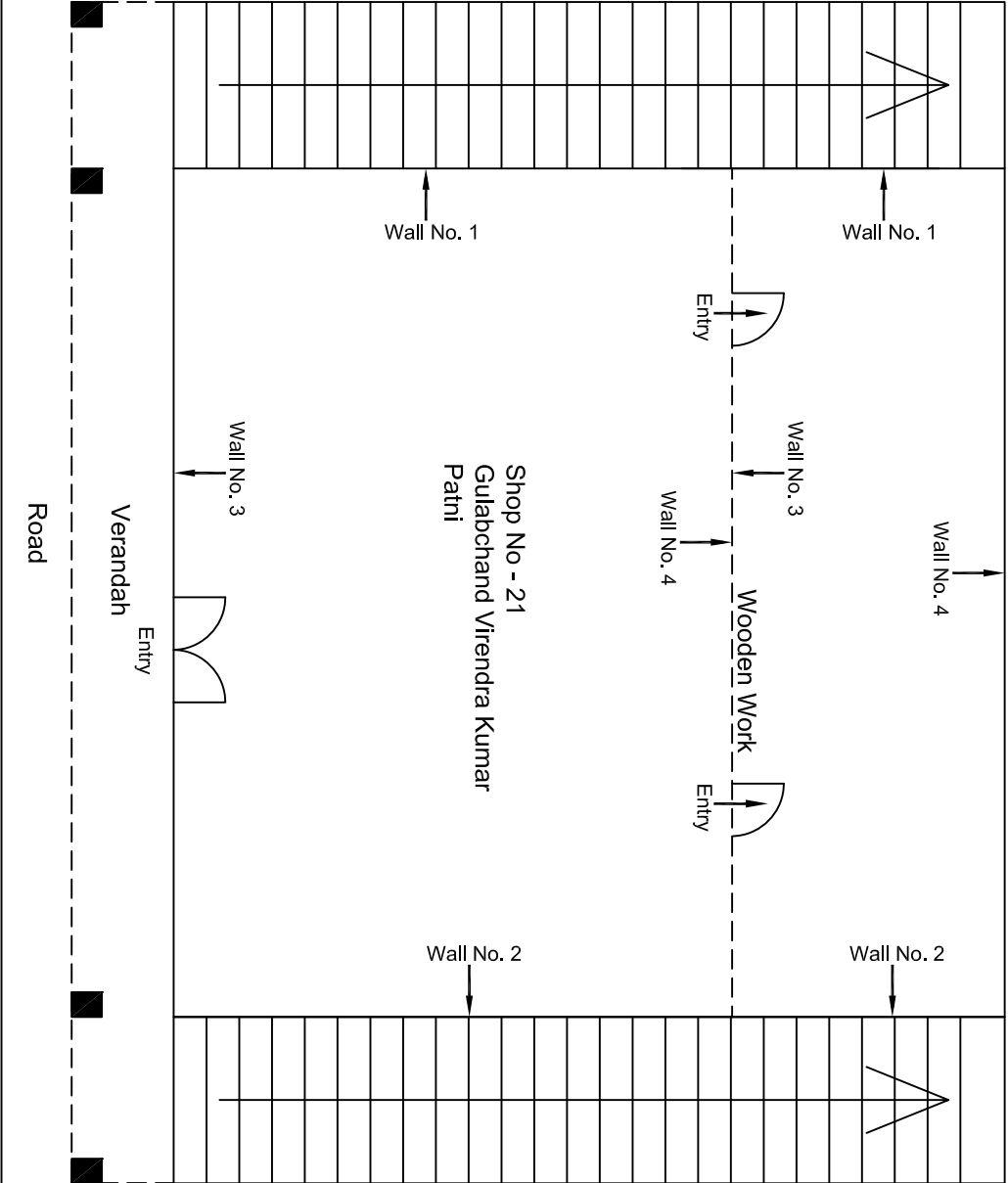
Second Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B	DRAWING TITLE: Second Floor Plan of House No. 344, Above Shop No. 20 Rangani Bazar Badi Chopad		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0002/F/SF/ 02	
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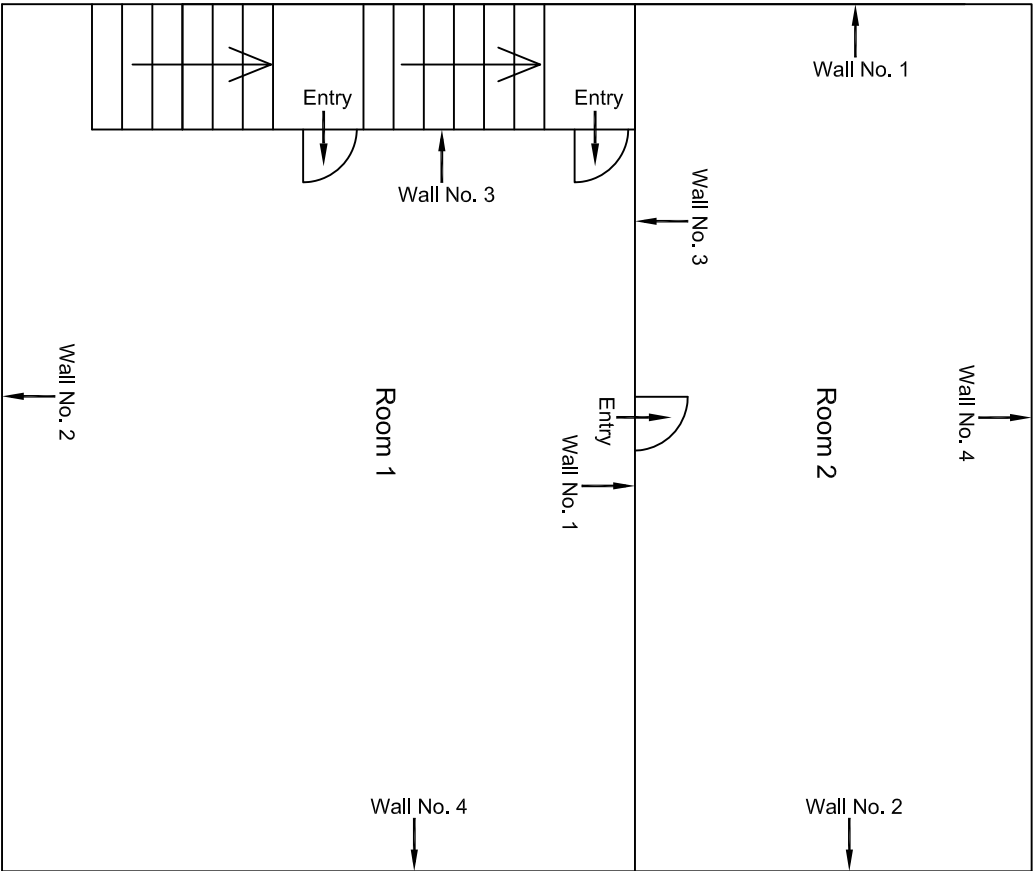
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				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Terrace Floor Plan of House No. 344, Above Shop No. 20 Ramgani Bazar Badi Chopad	DRAWING NO. : AIMIL/ESG/12315/ BC-RA-DN-0002/F/SF/ 03	REVISION: R0
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Revision	Description of Revision	Drawn By	Approved By	Date				SCALE: Not to Scale	

Terrace Floor Plan



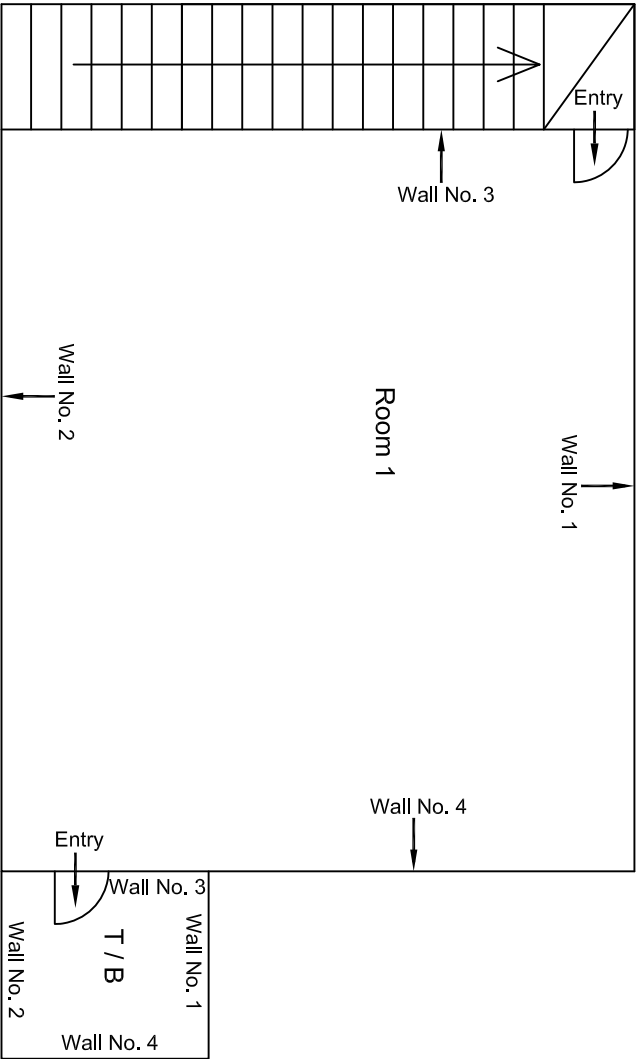
Ground Floor Plan

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Revision	Description of Revision	Drawn By	Approved By	Date					
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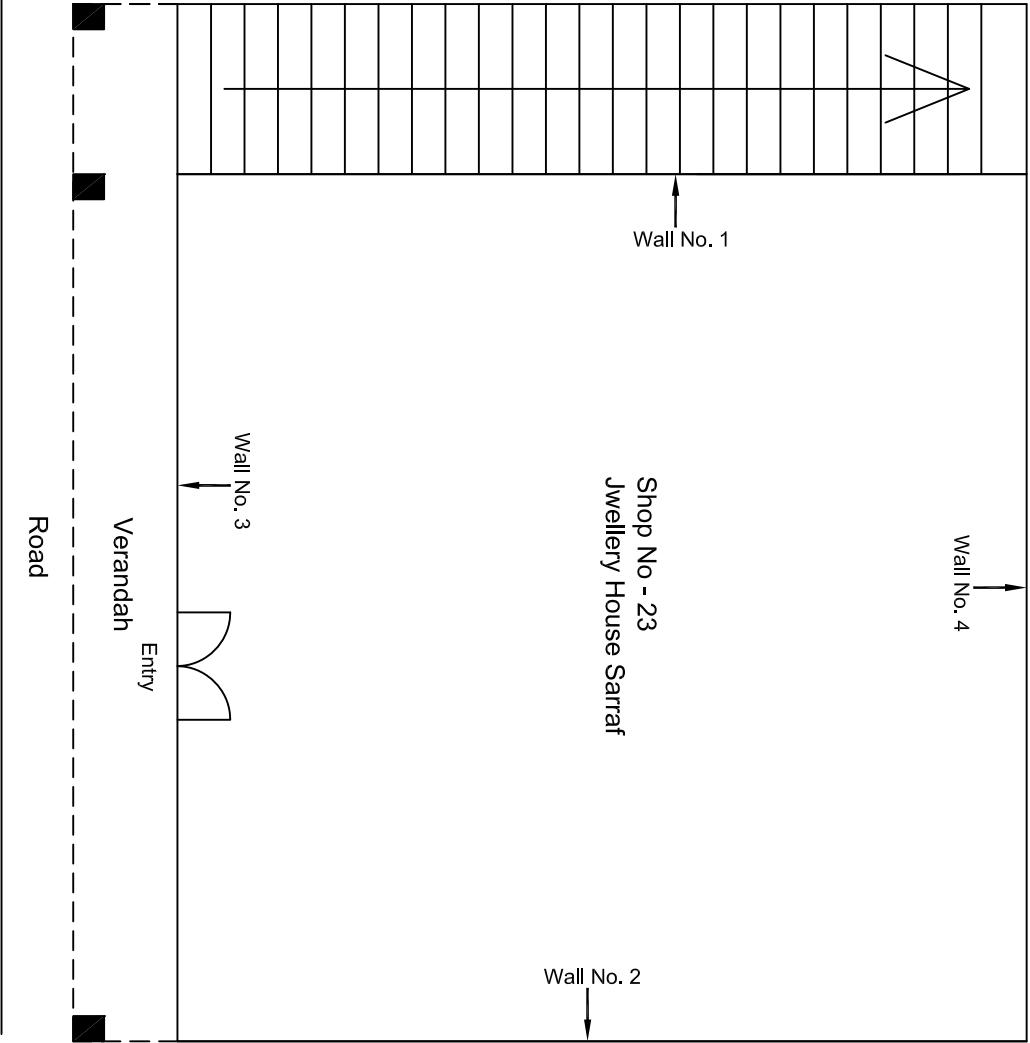
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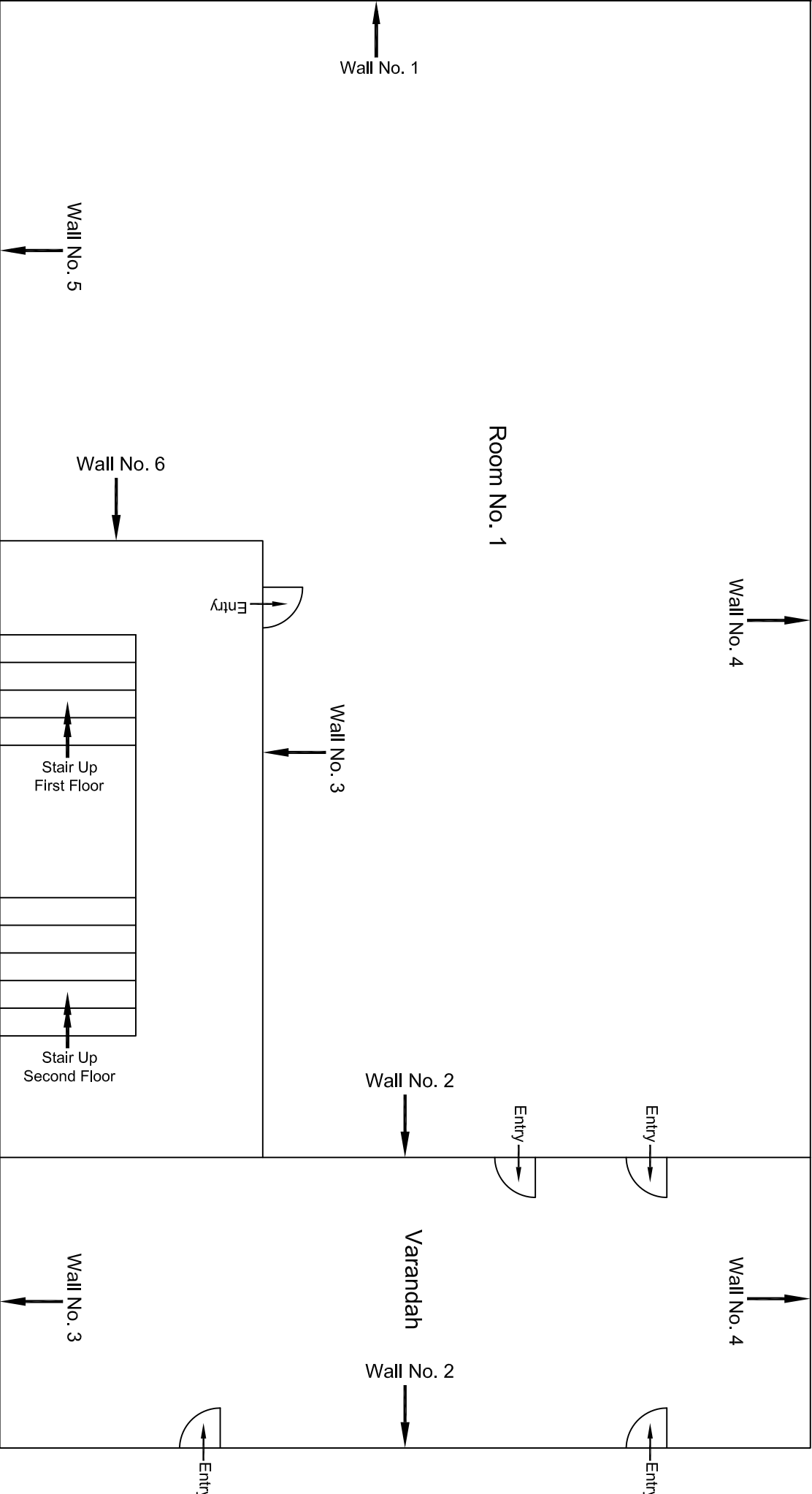
Second Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Second Floor Plan of House No. 343, Above Shop No. 21 Ranganj Bazar Badi Choped
00		NP	Dr. PRC	16.11.2013				DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0003/FF/SF/ 02
Revision	Description of Revision	Drawn By	Approved By	Date				SCALE: Not to Scale
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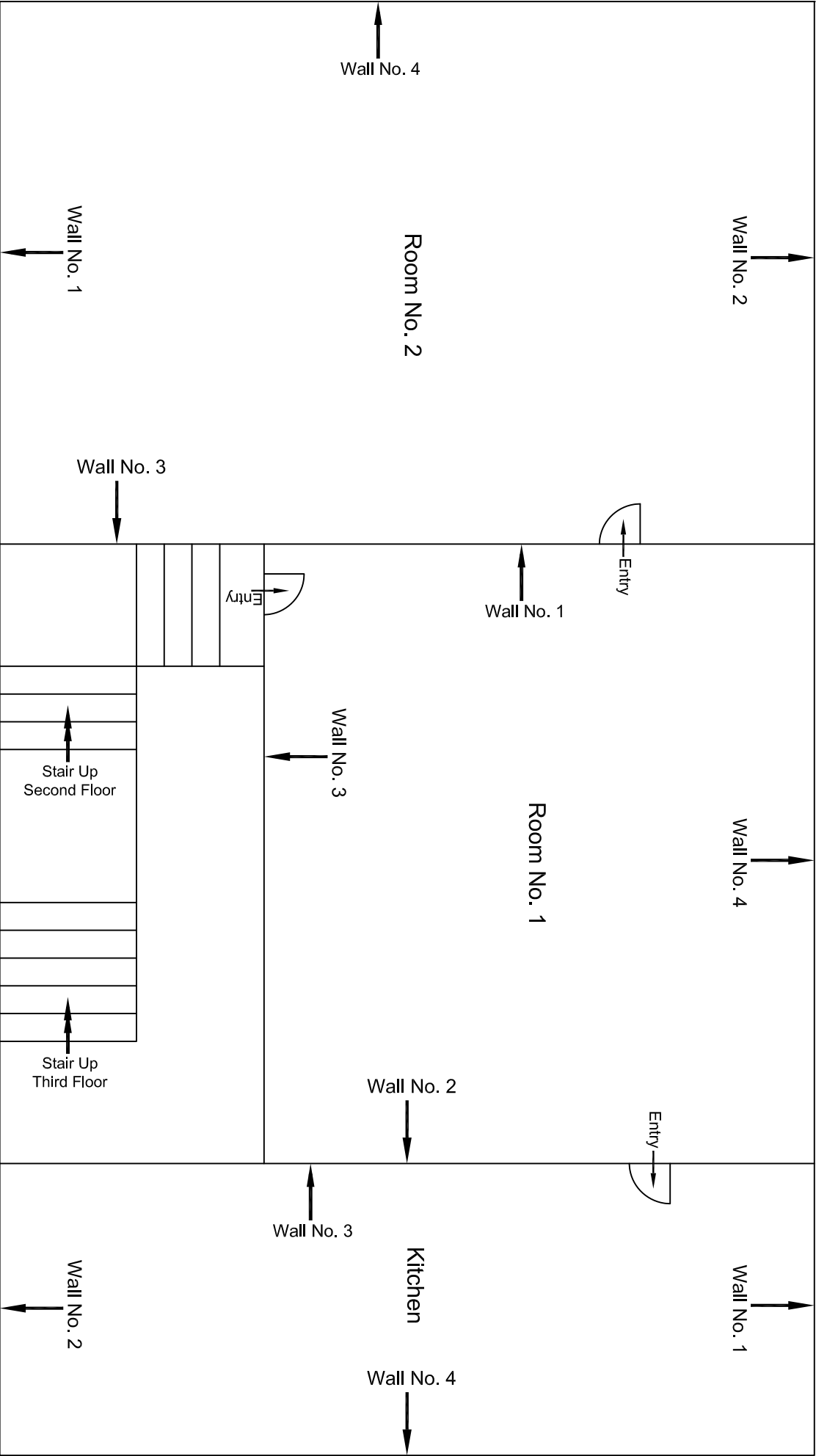
Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 23 Jewellery House Sarraf Ramgani Bazar Badi Choped			
00		NP	Dr. PRC	16.11.2013				DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0005/23/ 01		SCALE: Not to Scale		REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date								



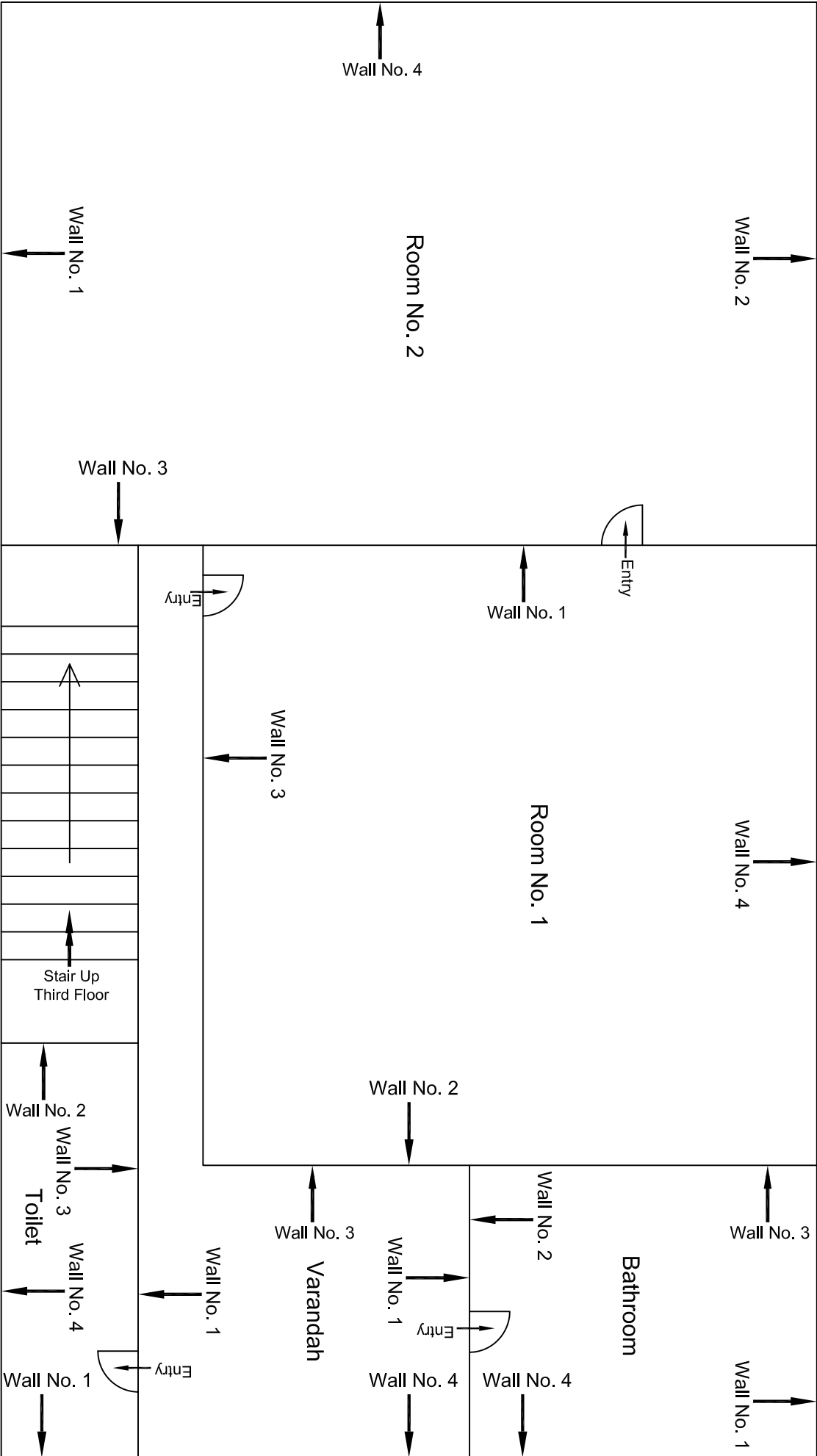
First Floor Plan

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				OMIKRON KAPPA - INDUS	CEC	AIMIL LIMITED			
				CONSULTRANS JV					
				CLIENT:	CONTRACT:				
				DMRC/JMRC	Jaipur Metro phase 1B		DRAWING TITLE:	DRAWING NO.:	REVISION:
00		NP	Dt. PRC	16.11.2013			First Floor Plan of House No. 339 above shop No. 23	AIMIL/ESG/12315/ BC-RA-DL-0005-FF-TF /01	
Revision	Description of Revision	Drawn By	Approved By	Date				SCALE:	



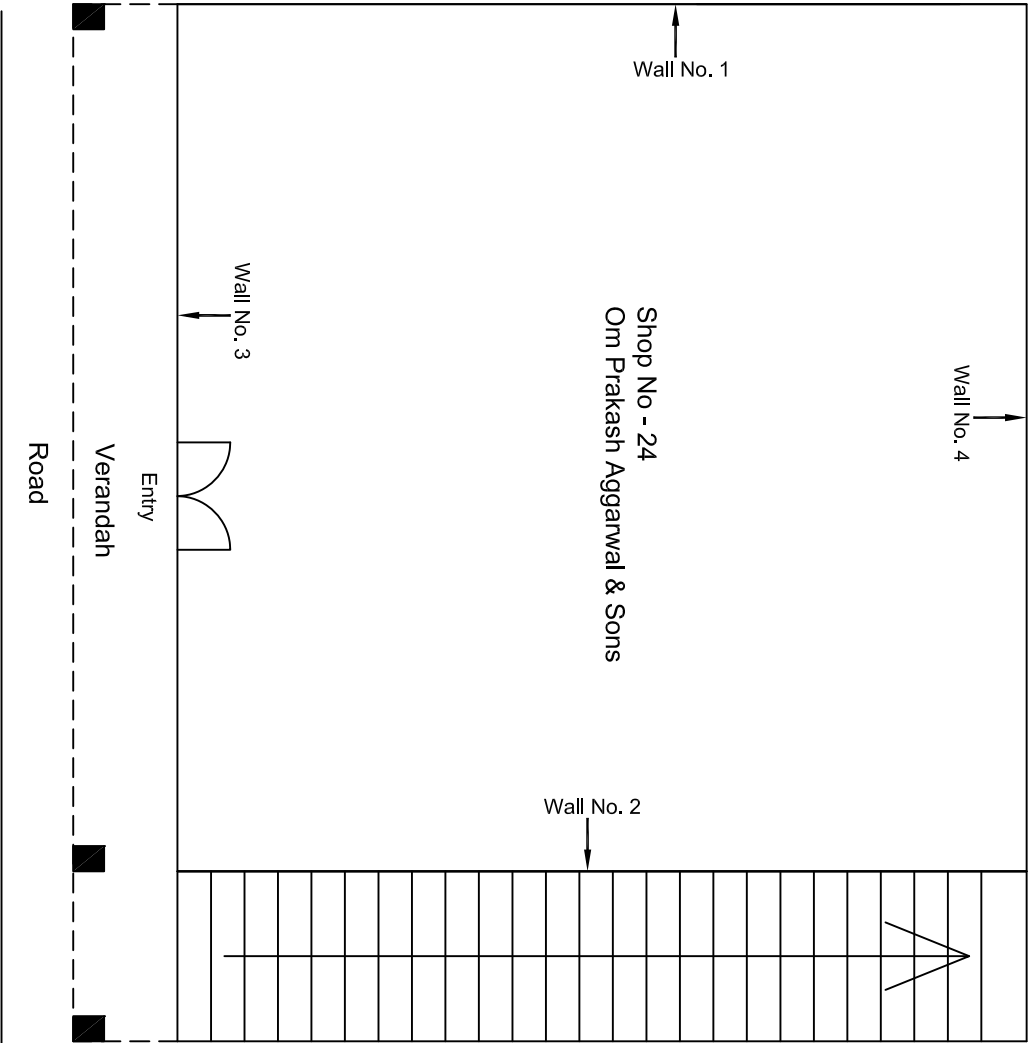
Second Floor Plan

					CONSULTANT:	MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE:		
					OMIKRON KAPPA - INDUS CONSULTRANS JV	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badli Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badli Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
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					DMRC/JMRC	Jaipur Metro phase 1B		Second Floor Plan of House No. 339 above shop No. 23		
00		NP	Dt. PRC	16.11.2013				DRAWING NO.:	AIMIL/ESG/12315/ BC-RA-DL-0005-FF-TF /02	
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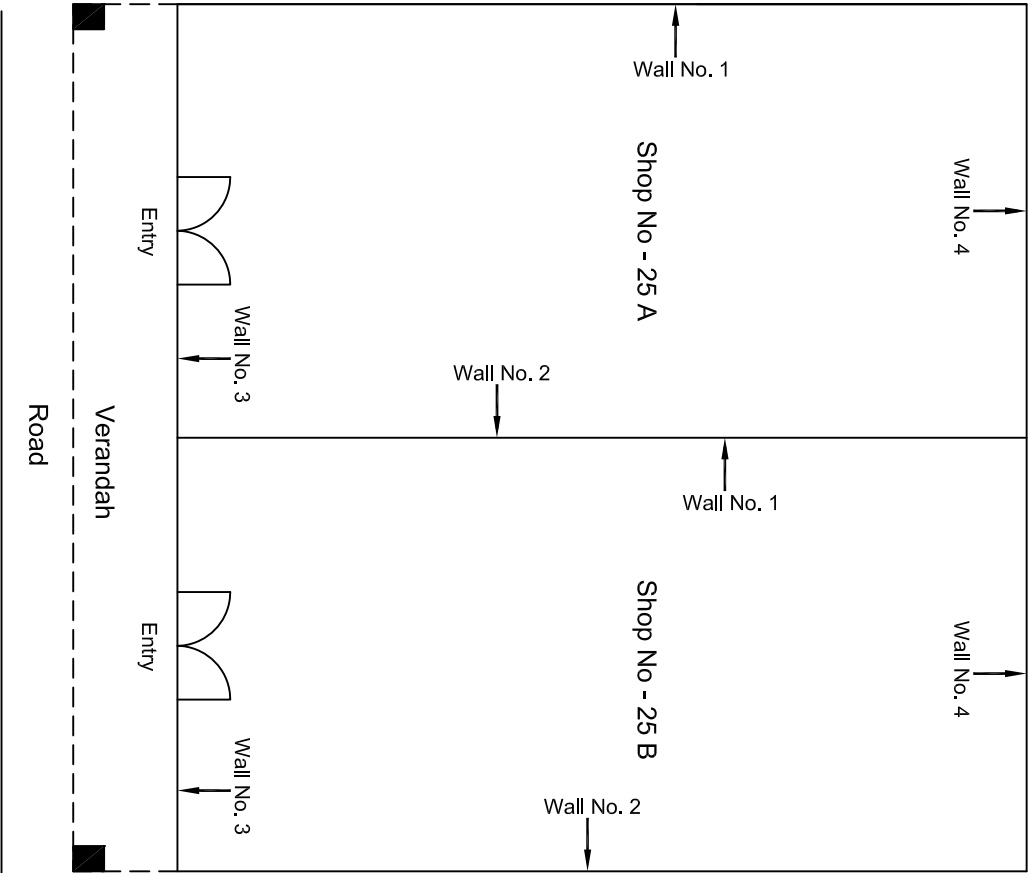
Third Floor Plan

			CONSULTANT: OMIKRON KAPPA - INDUS CONSULTANTS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
			CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro phase 1B		DRAWING TITLE: Third Floor Plan of House No. 339 above shop No. 23		DRAWING NO : AIM/ESG/12315/ BC-RA-DL-0005-FF-TF /03		
00		NP	Dr. PRC	16.11.2013					SCALE: Not to Scale		
Revision	Description of Revision	Drawn By	Approved By	Date					REVISION:		



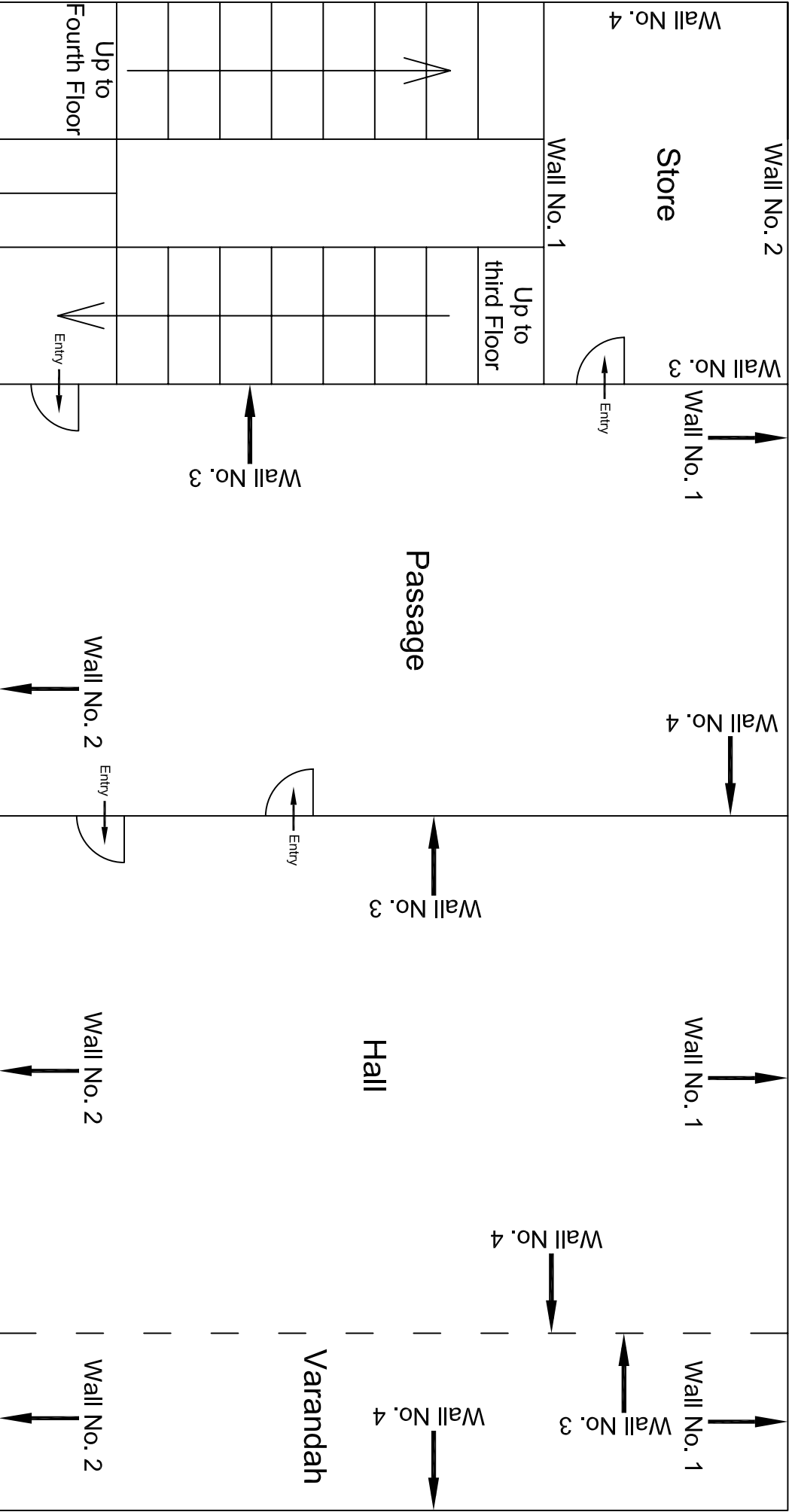
Ground Floor Plan

				CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 24 Om Prakash Aggarwal & Sons Ramganj Bazar Badi Choped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0006/24/ 01		
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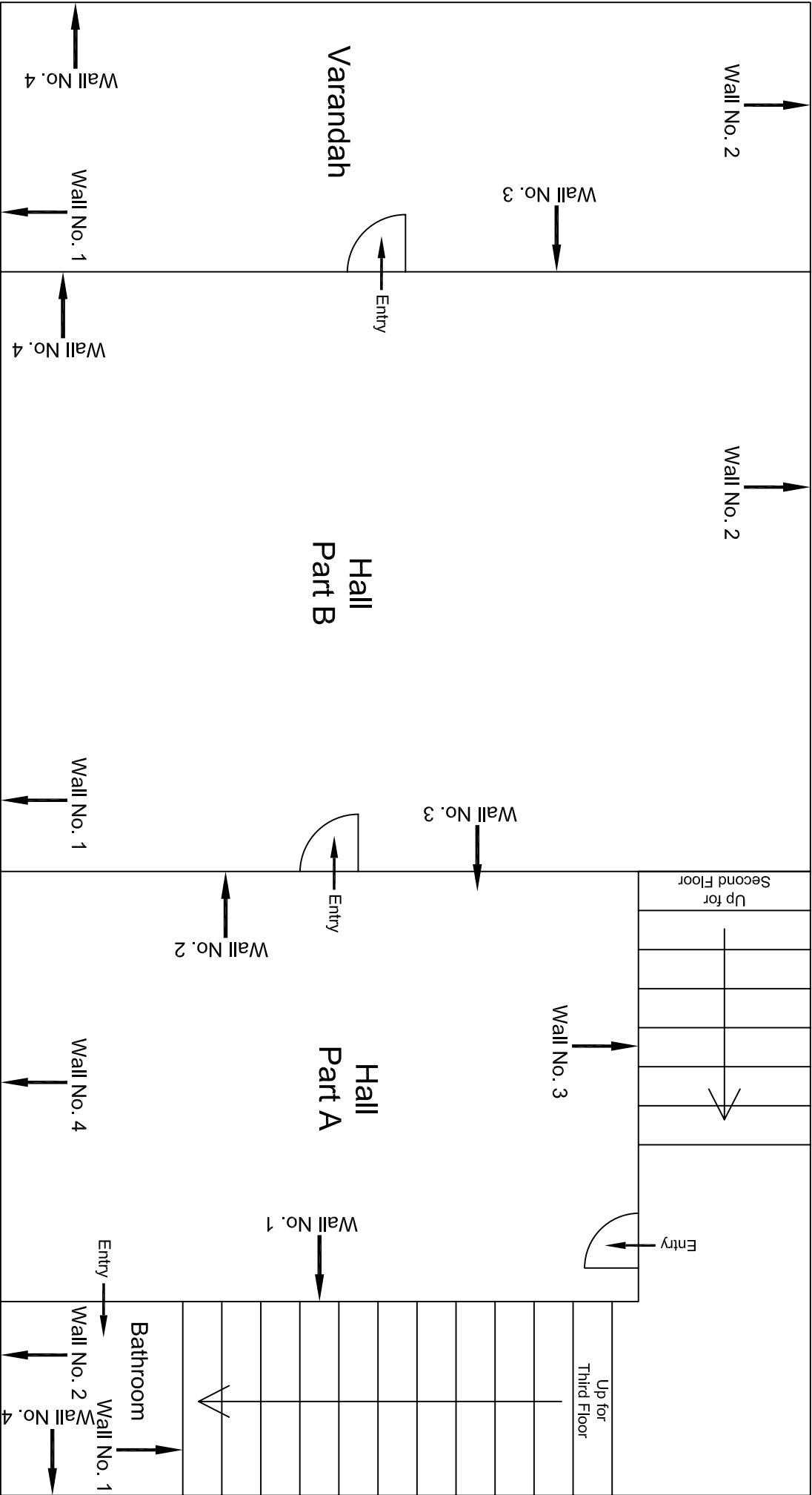
Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B			
					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 25 Mohanlal Kedarnal Sarraf Ramgani Bazar Badi Choped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0007/25/ 01			
00		NP	Dr. PRC	16.11.2013							SCALE: Not to Scale		REVISION: R0	
Revision	Description of Revision	Drawn By	Approved By	Date										



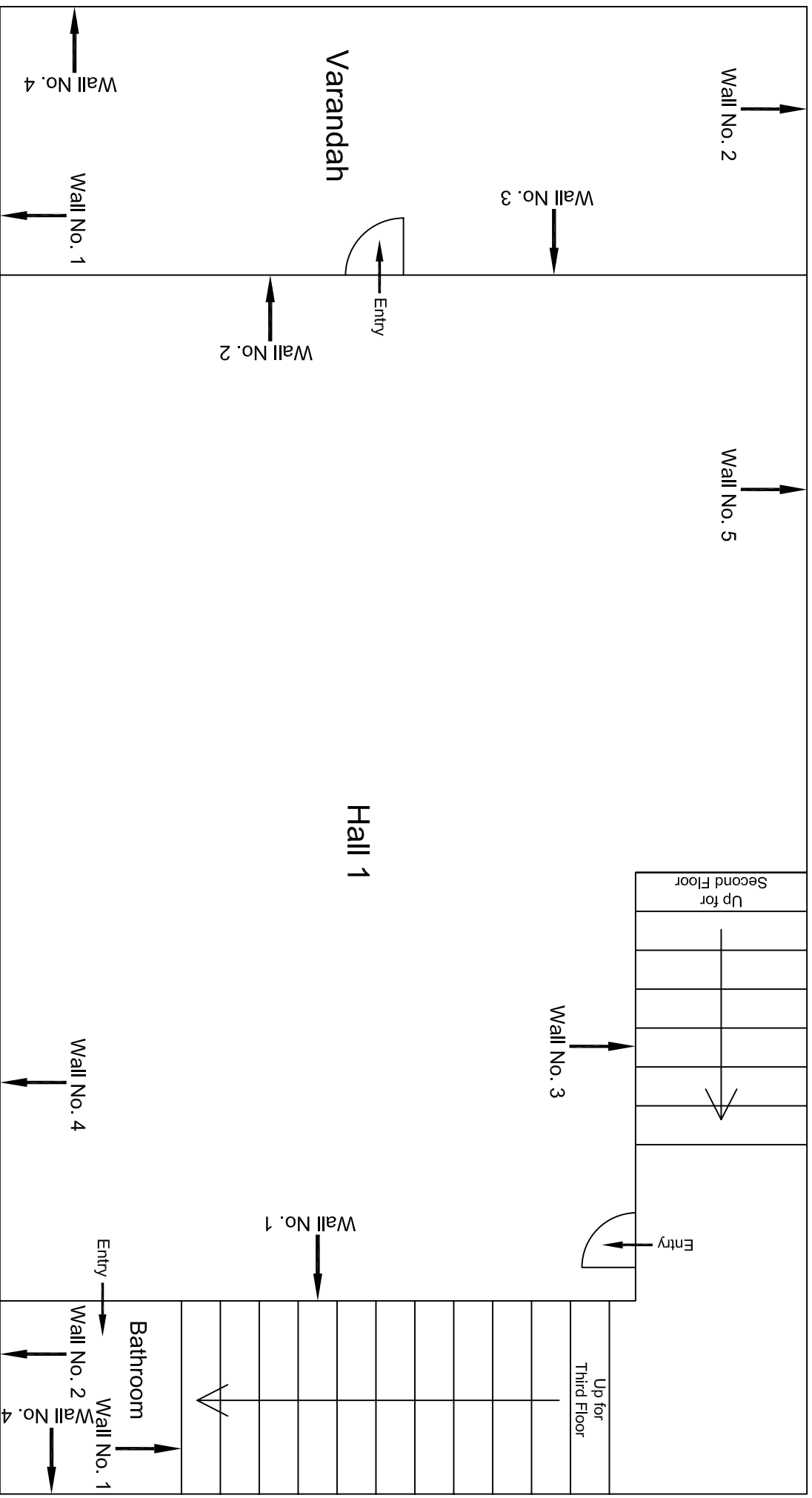
Third Floor Plan

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					CONSULTTRANS JV			DRAWING TITLE:		
								Third Floor Plan of		
								House No. 333, above		
								shop No. 26		
00		NP	Dr. PRC	16.11.2013	CLIENT:	CONTRACT:		DRAWING NO.:	SCALE:	REVISION:
					DMRC/JMRC	Jaipur Metro Phase 1B		AIMIL/ESG/12315/ BC-RA-DN-0008/F-SF-5TH /03	Not to Scale	R0
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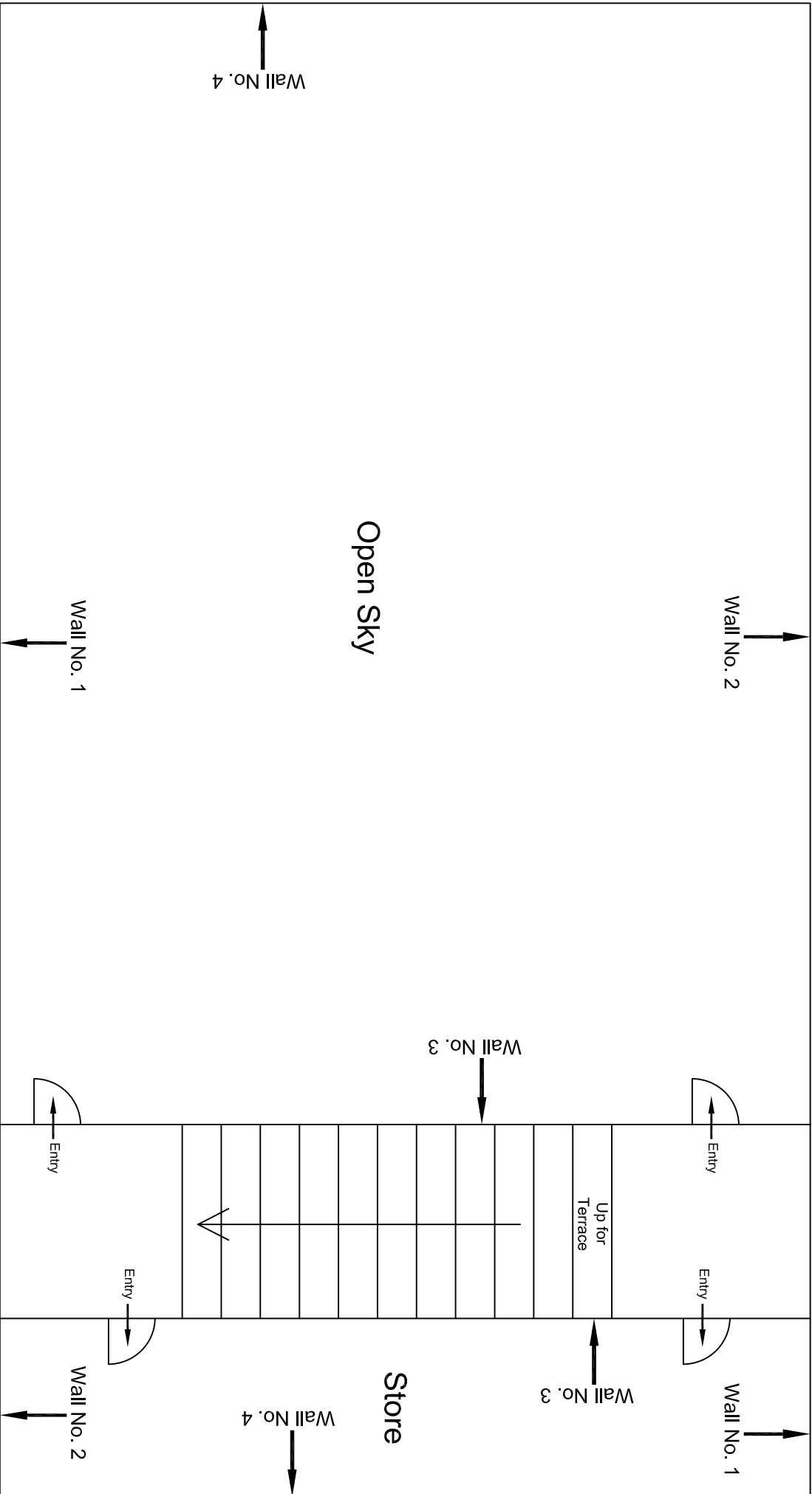
Second Floor Plan

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Revision	Description of Revision	Drawn By	Approved By	Date					
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					CONSULT TRANS JV			DRAWING TITLE:	
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					DMRC/JMRC	Jaipur Metro Phase 1B		House No. 331 above	
					NP			shop No. 27	
					Dr. PRC			DRAWING NO.:	
					16.11.2013			AIMIL/ESG/12315/ BC-RA-DN-0009/FF-4TH /01	
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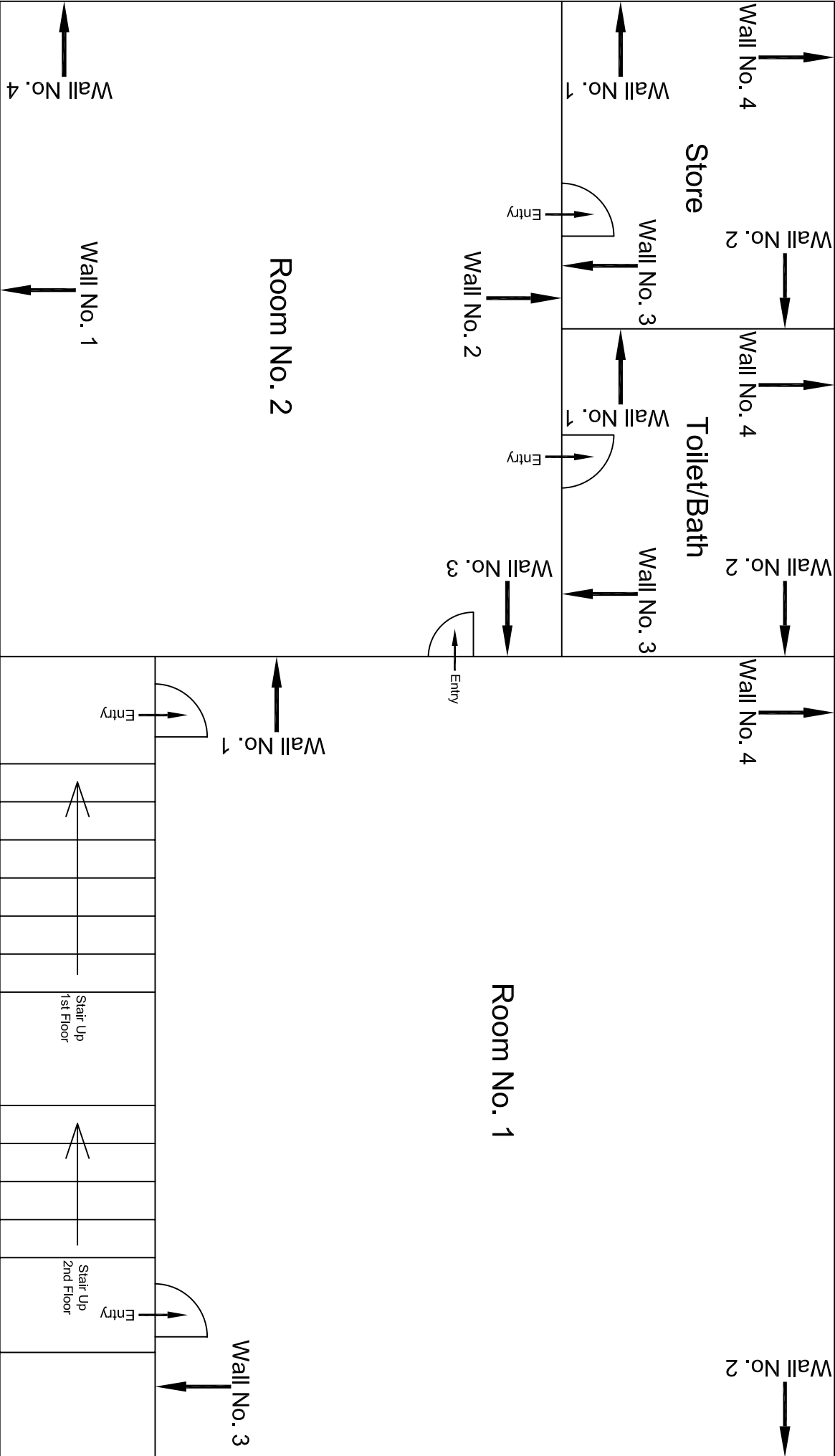
Third Floor Plan

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					OMIKRON KAPPA - INDUS	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
					CONSULTRANS JV			
					CLIENT:	CONTRACT:		DRAWING TITLE:
					DMRC/JMRC	Jaipur Metro Phase 1B		Third Floor Plan of House No. 331 above shop No. 27
								DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0009/F-4TH /02
00		NP	Dr. PRC	16.11.2013				SCALE: Not to Scale
Revision	Description of Revision	Drawn By	Approved By	Date				REVISION: R0



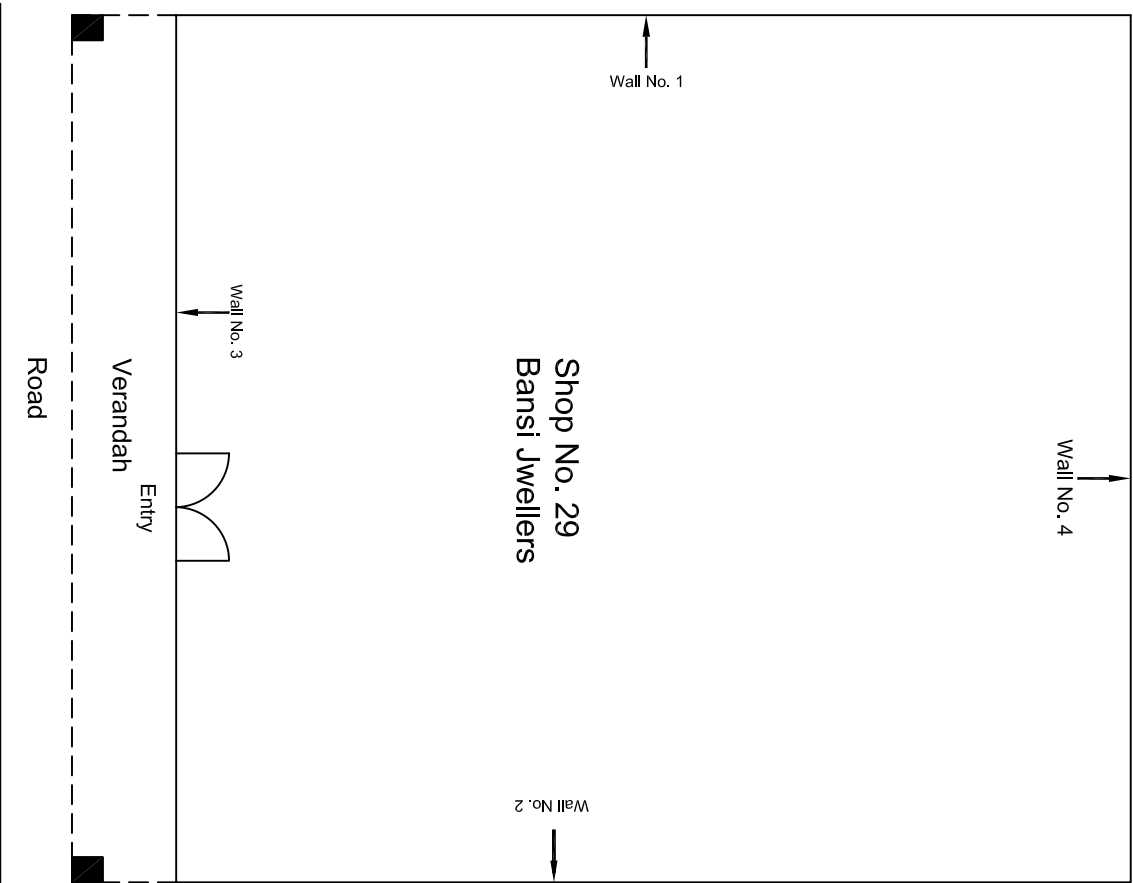
Terrace Floor Plan

					CONSULTANT: OMIKRON KAPPA - INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B				
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Revision	Description of Revision	Drawn By	Approved By	Date						
		NP	Dr. PRC	16.11.2013						



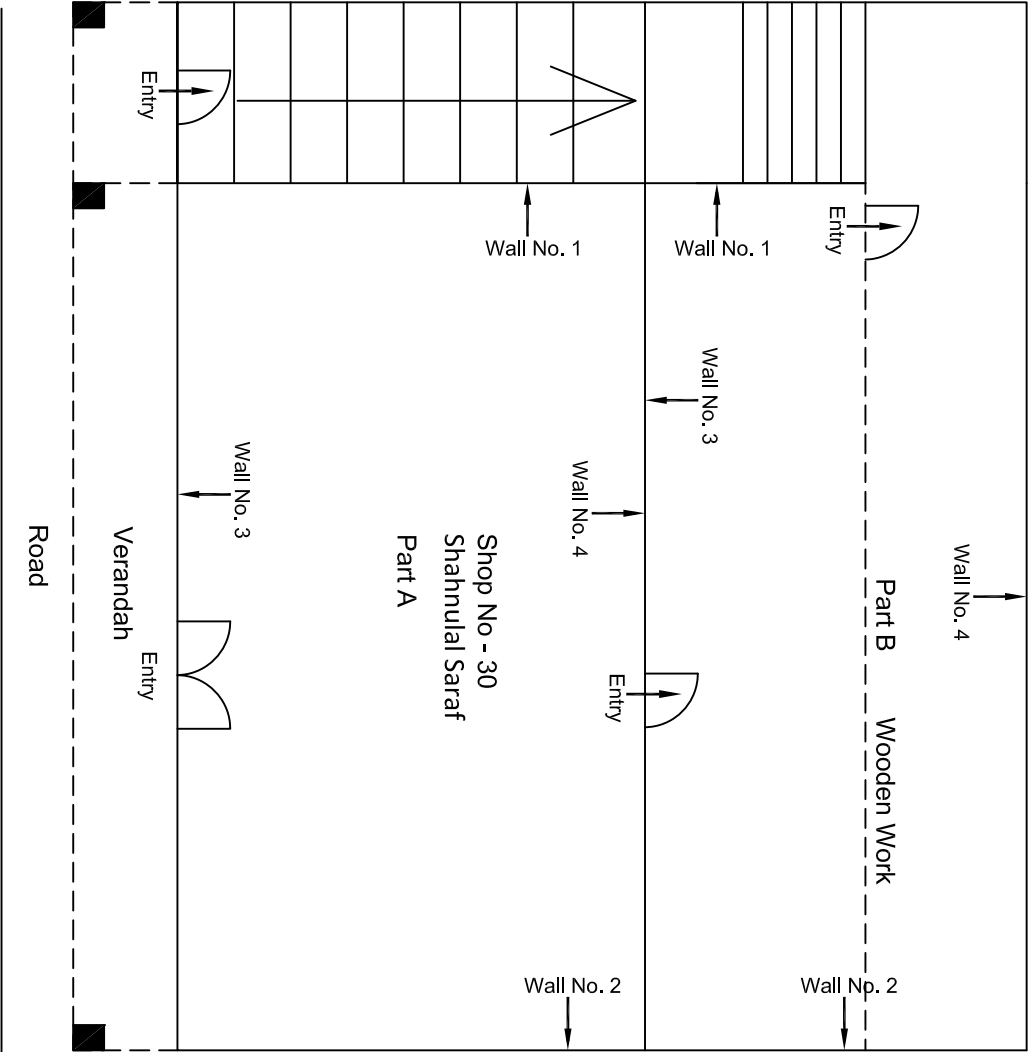
First Floor Plan

					CONSULTANT: OMIKRON KAPPA - INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of House No. 329, above shop No. 28			DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0010/FF-4TH /01	
00		NP	Dr. PRC	16.11.2013								SCALE: Not to Scale	
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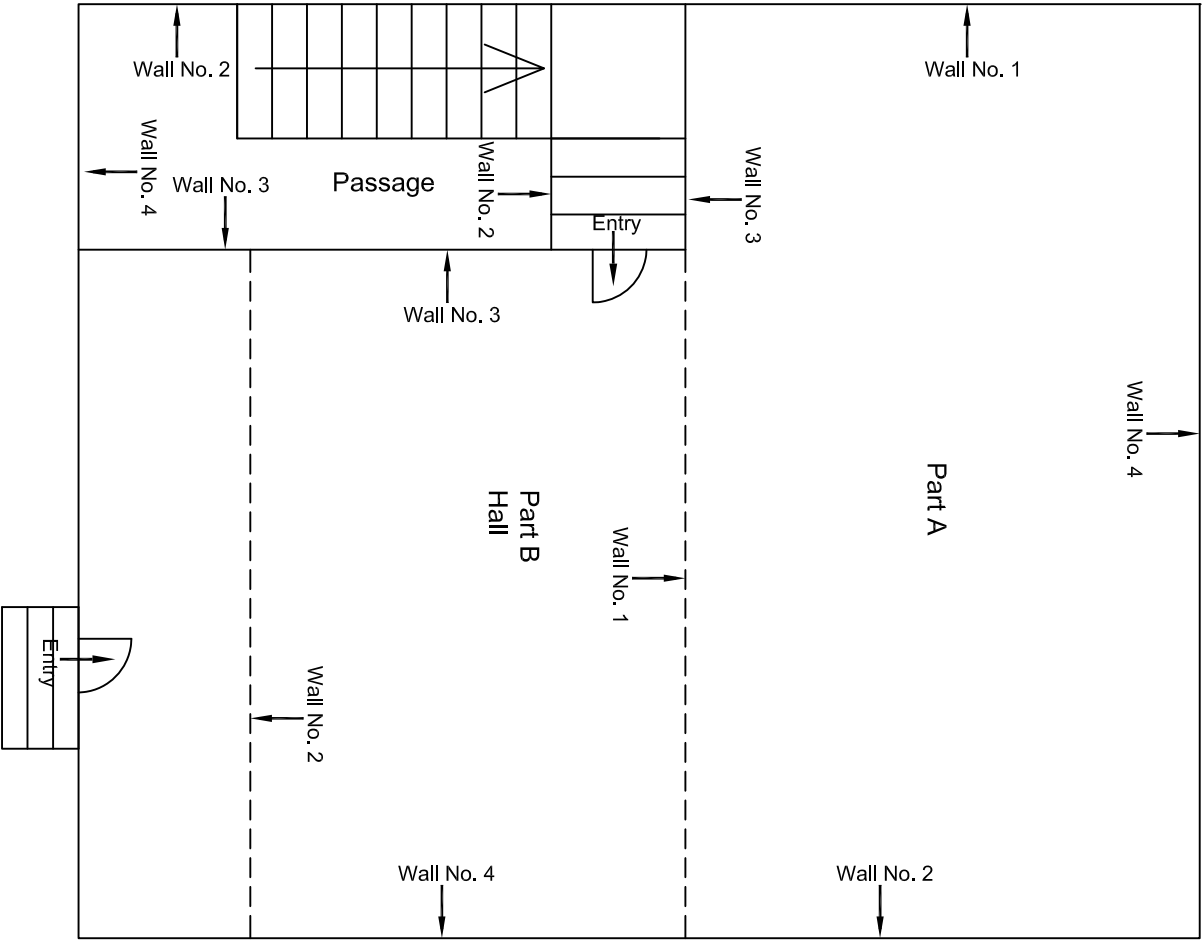
Ground Floor Plan

				CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No.29 Ramganj Bazar		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0011 /29 / 01		
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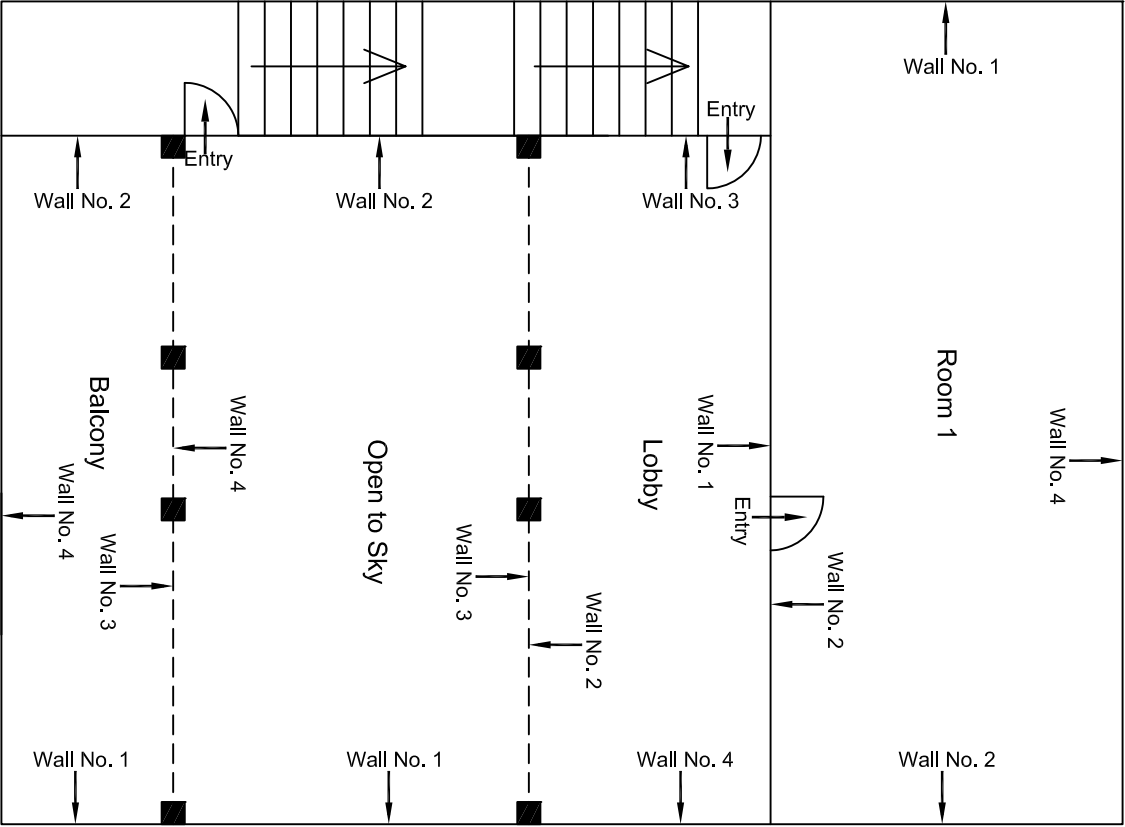
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 30 Ramganj Bazar Badi Choped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0012/30/ 01		
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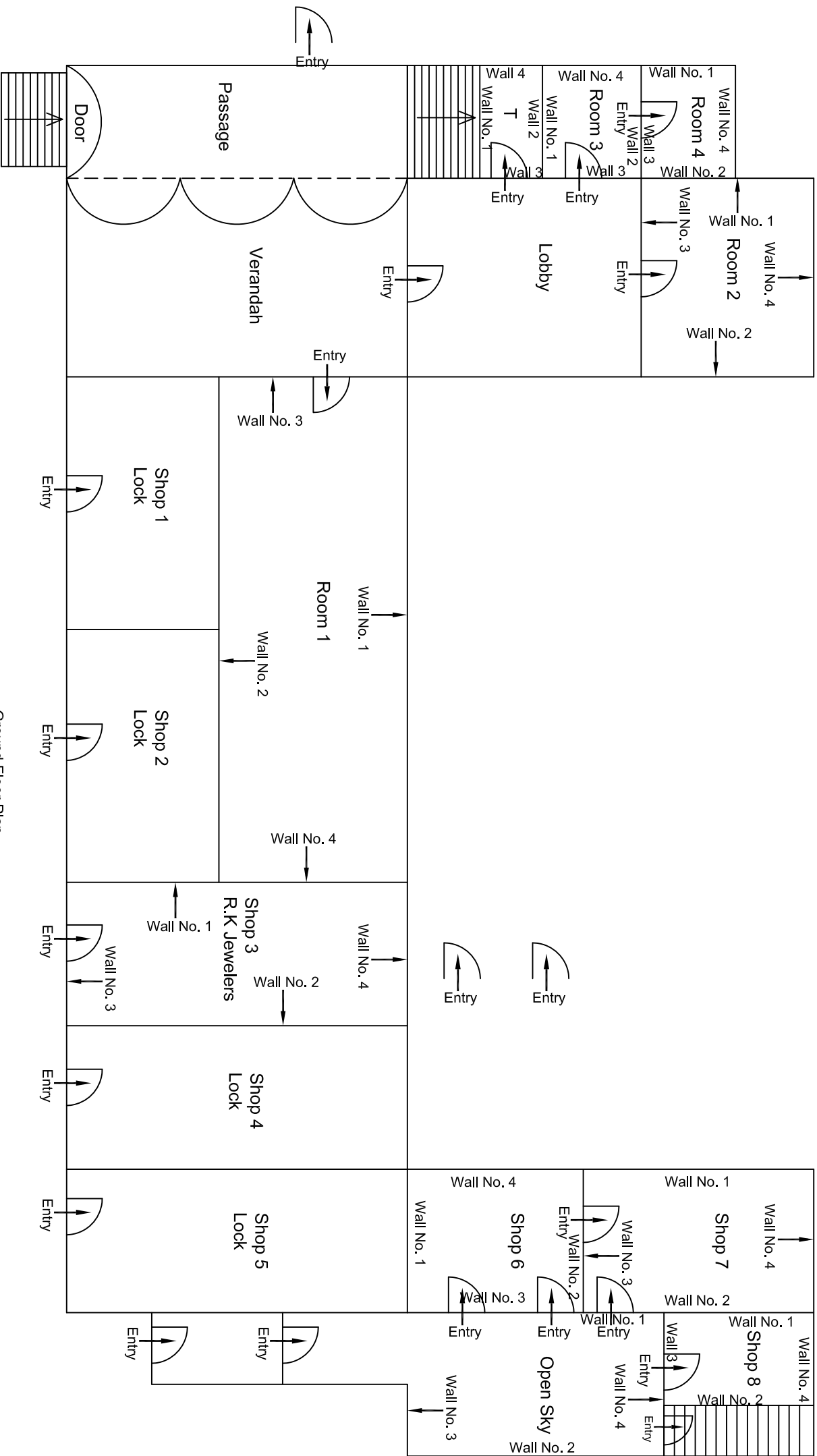
First Floor Plan

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				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of Above Shop No 30 Ramganj Bazar Badi Choped	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0012/FF/SF/ 01	REVISION: R0
00		NP	Dr. PRC	16.11.2013					
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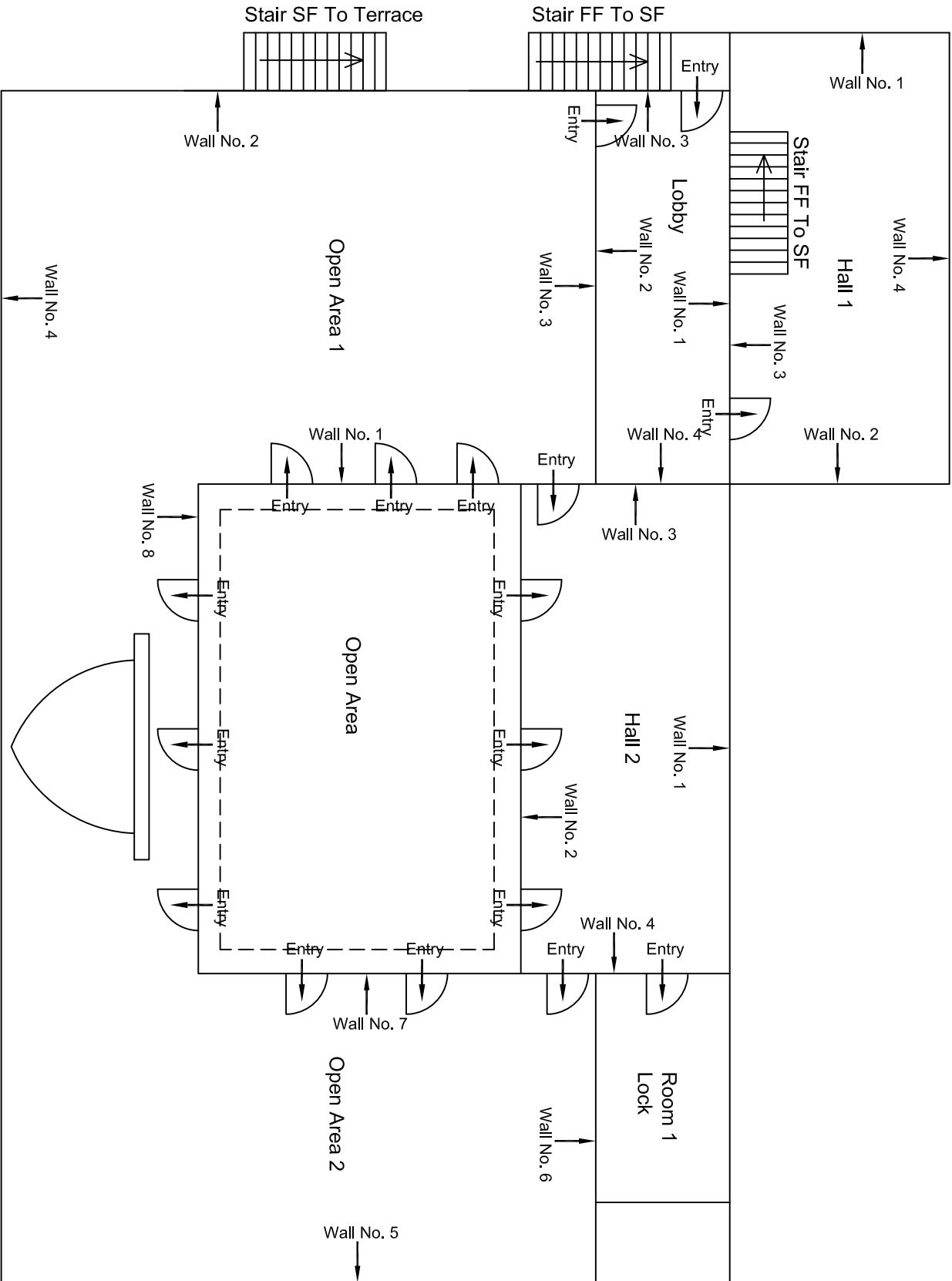
Second Floor Plan

				CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Second Floor Plan of Above Shop No 30 Rangani Bazar Badi Choped	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0012/FF/SF/ 02
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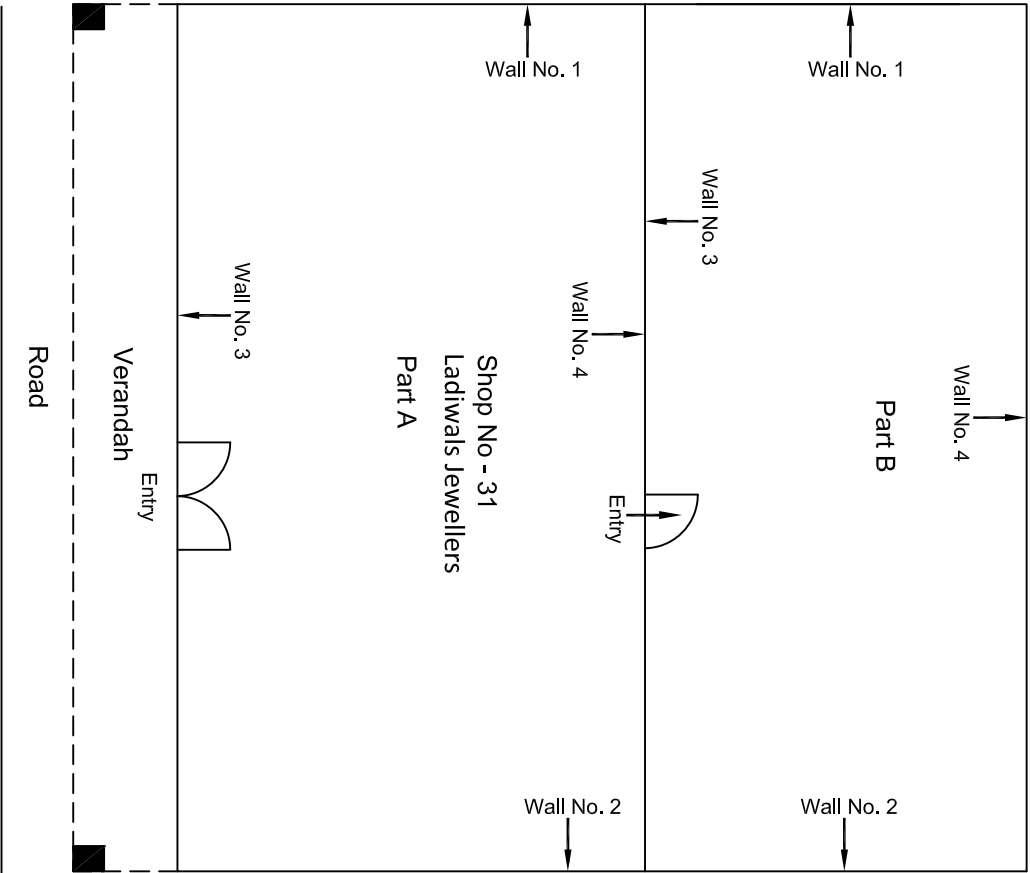
Ground Floor Plan

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Revision	Description of Revision	Drawn By	Approved By	Date					
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					CONSULTRANS JV				
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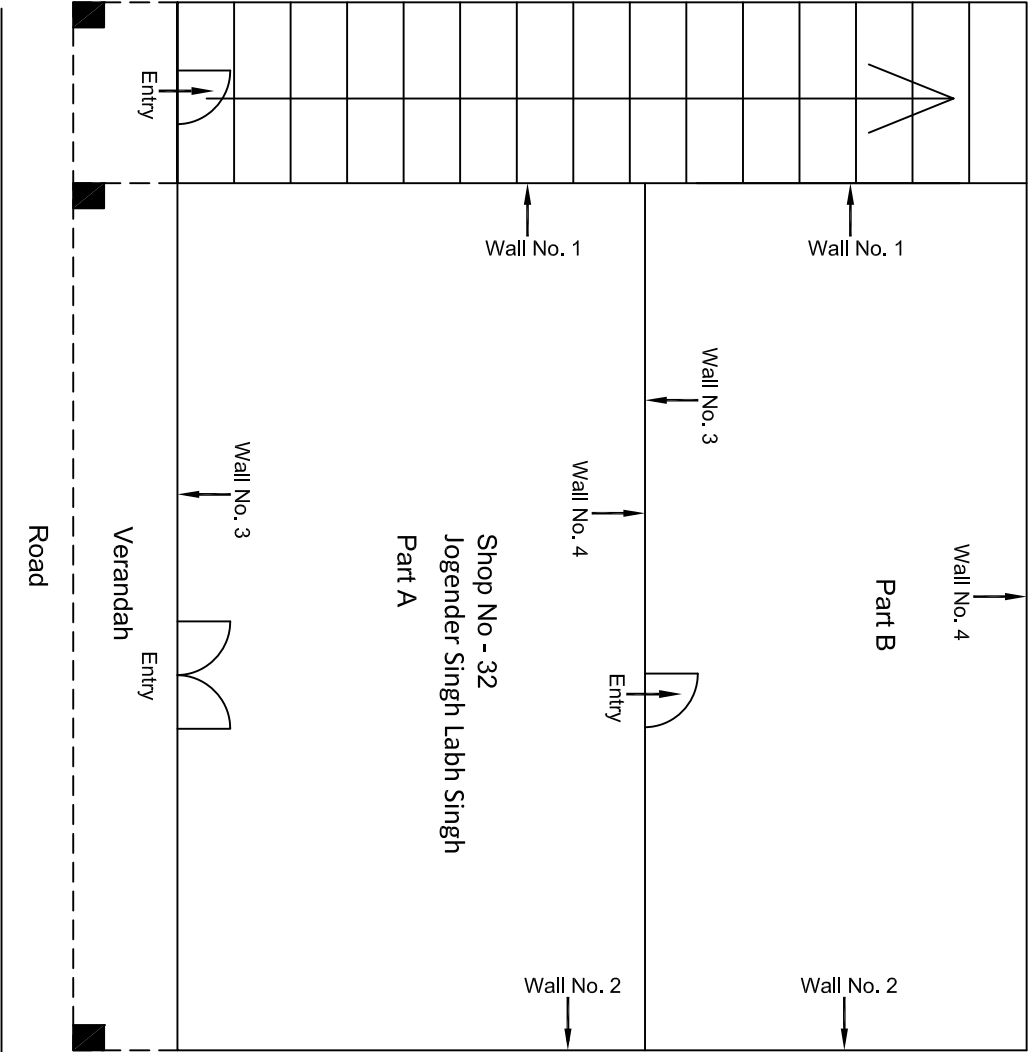
Second Floor Plan

Revision	Description of Revision	Drawn By	Approved By	Date	CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
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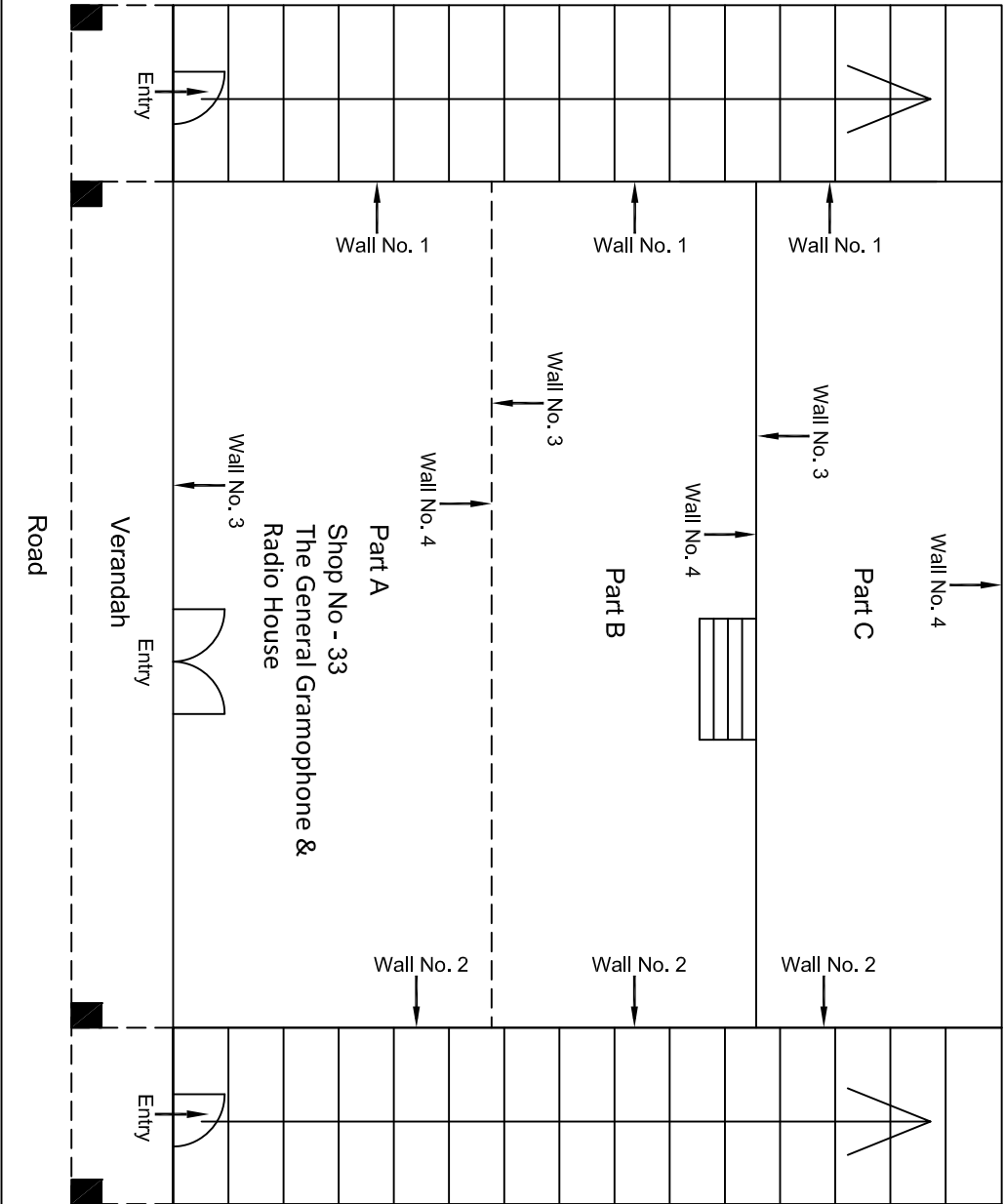


Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 31 Ramganj Bazar Badi Choped			
00		NP	Dr. PRC	16.11.2013					DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0013/31/ 01			
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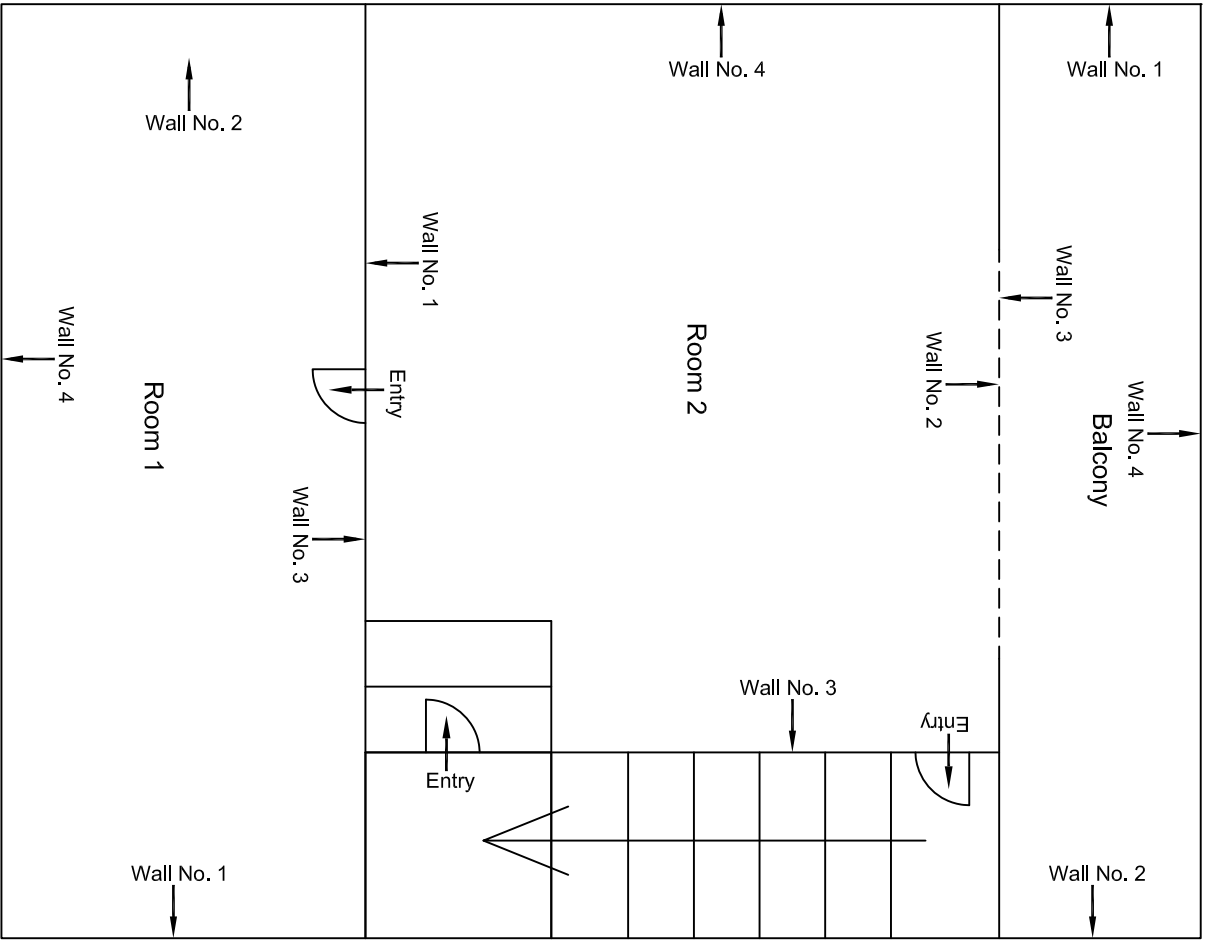


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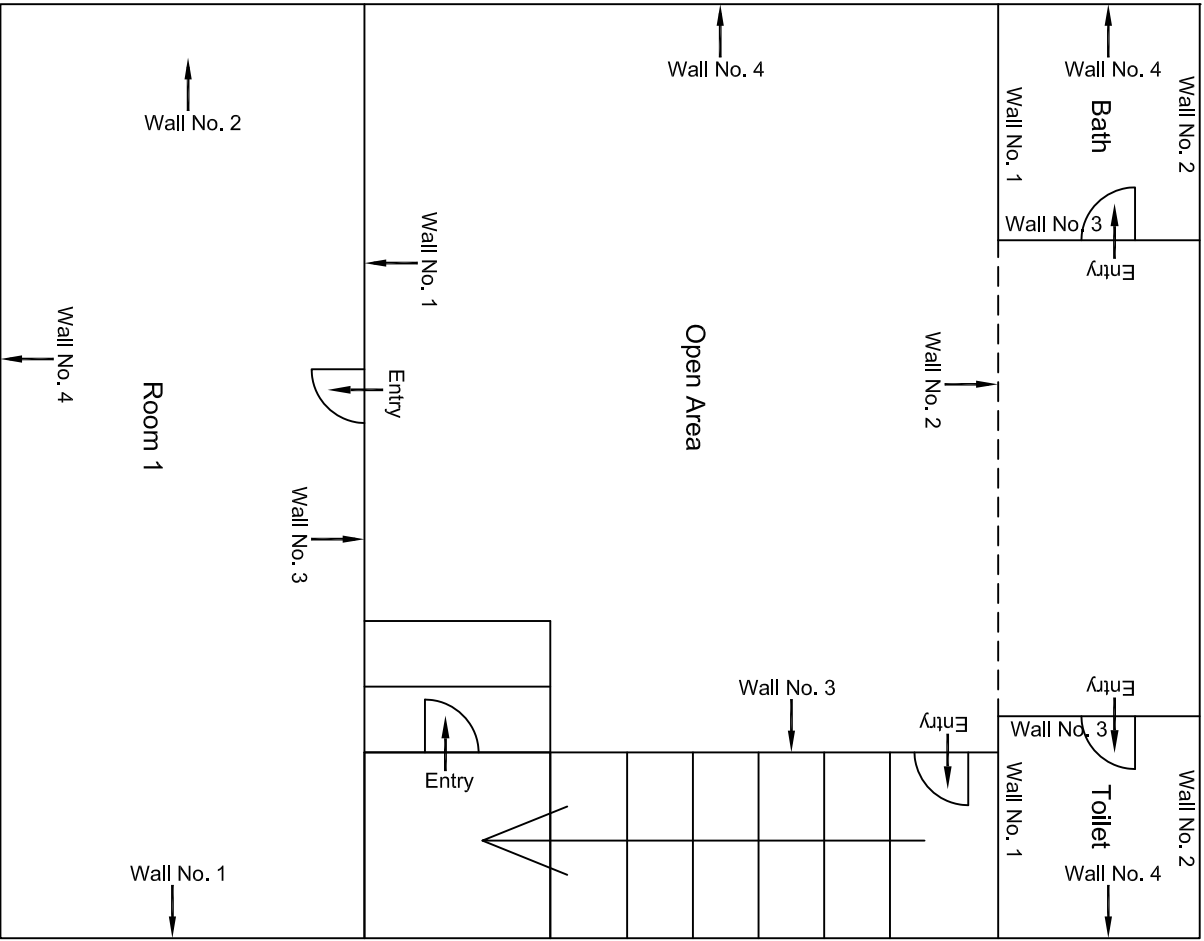
Ground Floor Plan

					CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B				
00			NP	D. PRC	16.11.2013			DRAWING TITLE: Ground Floor Plan of Shop No 33 Ramganj Bazar Badi Choped		
Revision	Description of Revision	Drawn By	Approved By	Date						
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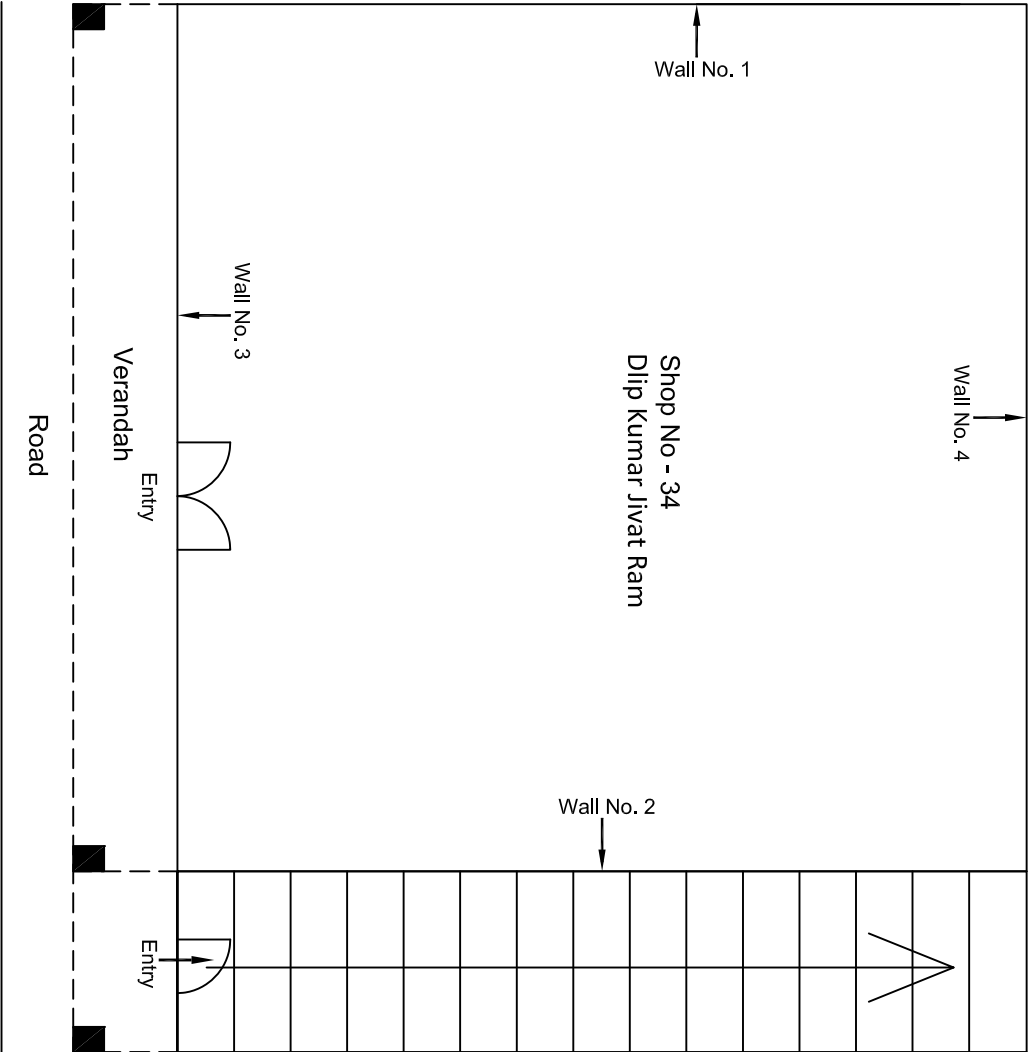
Typical Drawing Of First & Second Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B			DRAWING TITLE: Typical Drawing of First & Second Floor Plan of Above Shop No 33 Ranganj Bazar Badi Choped	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0015/FF/TF/ 01
00		NP	Dt. PRC	16.11.2013					SCALE: Not to Scale	REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date						



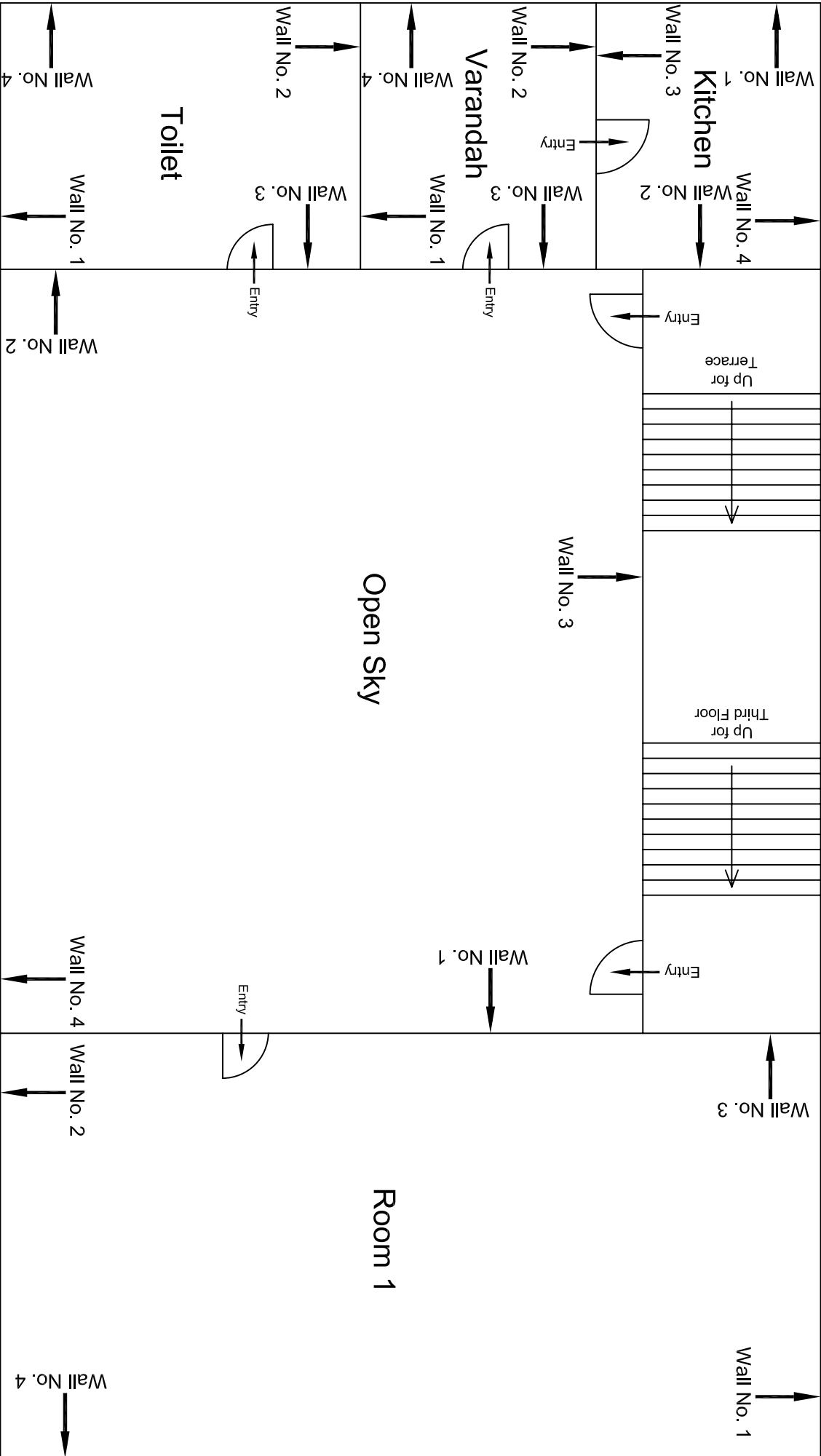
Third Floor Plan

					CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Third Floor Plan of Above Shop No 33 Rangani Bazar Badi Choped	
00		NP	Dr. PRC	16.11.2013				DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0015/FF/TF/ 02	
Revision	Description of Revision	Drawn By	Approved By	Date				SCALE: Not to Scale	REVISION: R0



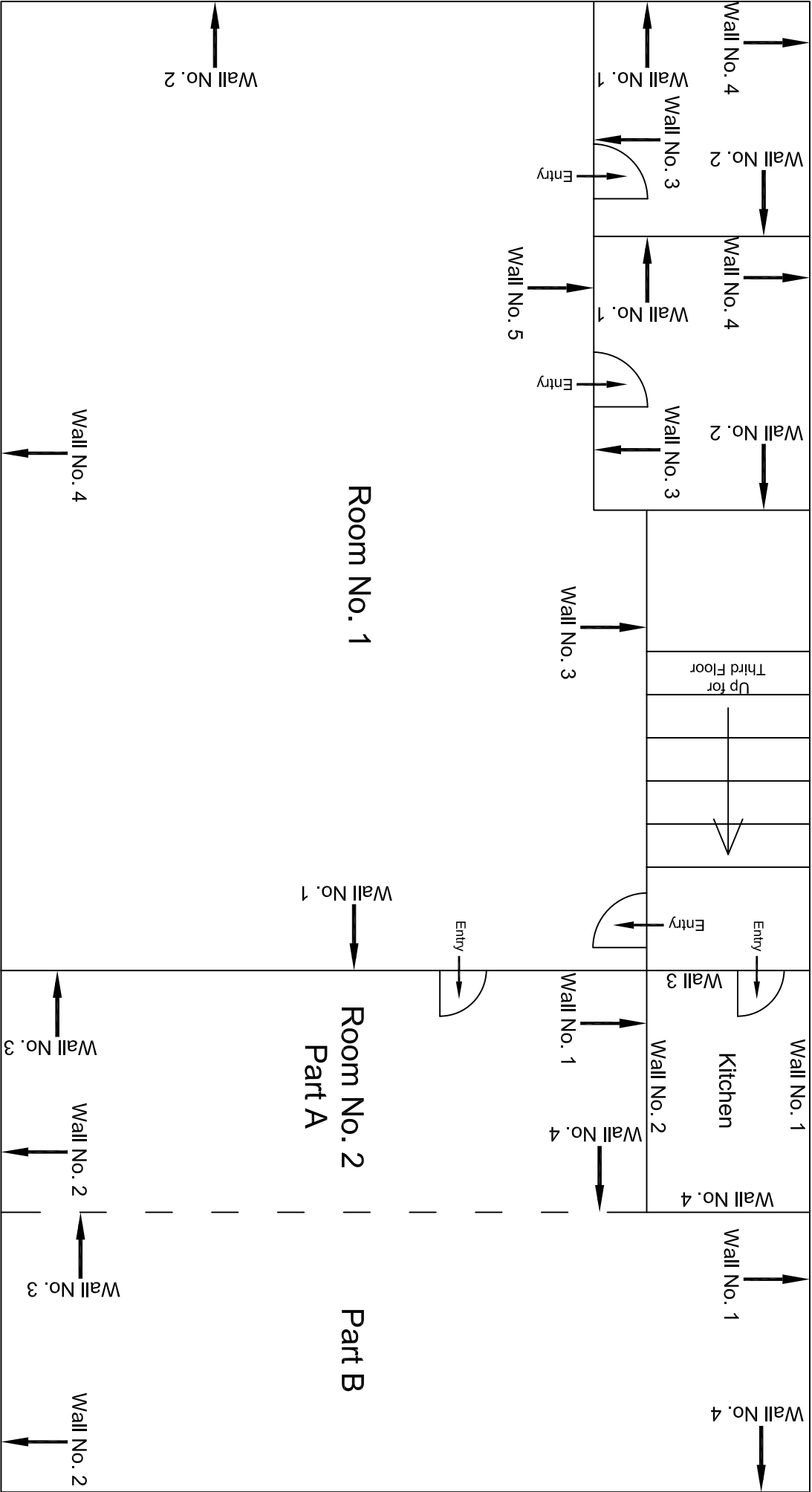
Ground Floor Plan

				CONSULTANT: OMIKRON KAPPANUNDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B				
00		NP	Dt. PRC	16.11.2013					
Revision	Description of Revision	Drawn By	Approved By	Date			DRAWING TITLE: Ground Floor Plan of Shop No 34 Ramganj Bazar Badi Choped	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0016/34/ 01	REVISION: R0



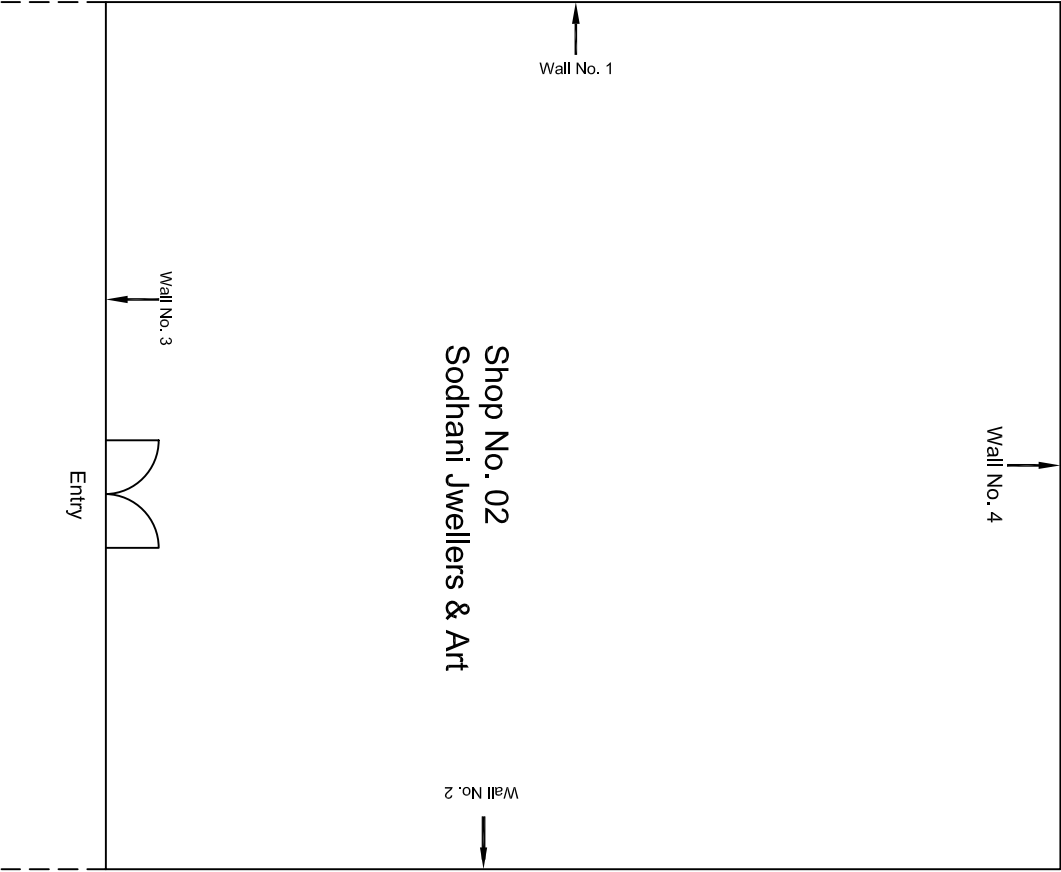
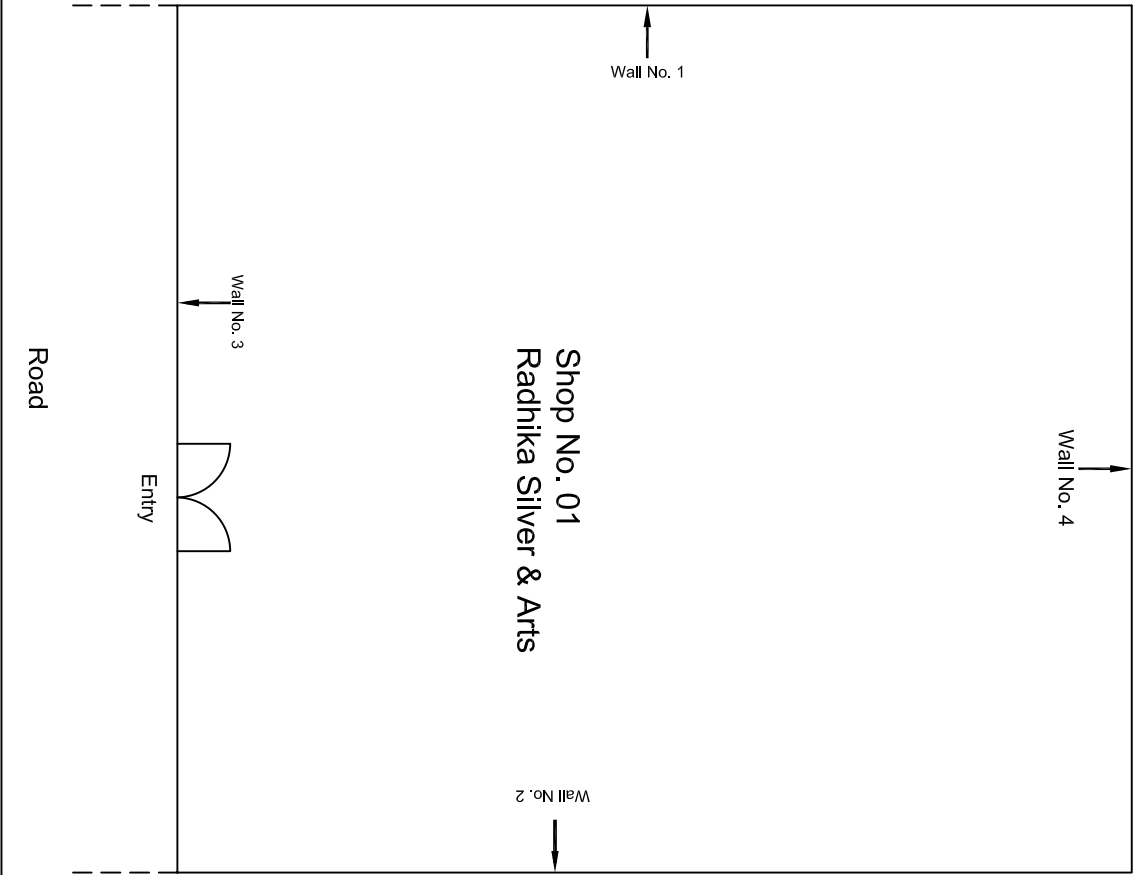
Third Floor Plan

					CONSULTANT:		MAIN CONTRACTOR:		SUB-CONTRACTOR:		PROJECT TITLE:	
					OMIKRON KAPPA - INDUS		CEC		AIMIL LIMITED		Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
					CONSULTRANS JV							
					CLIENT:		CONTRACT:				DRAWING TITLE:	
					DMRC/JMRC		Jaipur Metro Phase 1B				Third Floor Plan of	
00		NP	Dr. PRC	16.11.2013							House No. 317 above	
Revision	Description of Revision	Drawn By	Approved By	Date							shop No. 34	
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Third Floor Plan

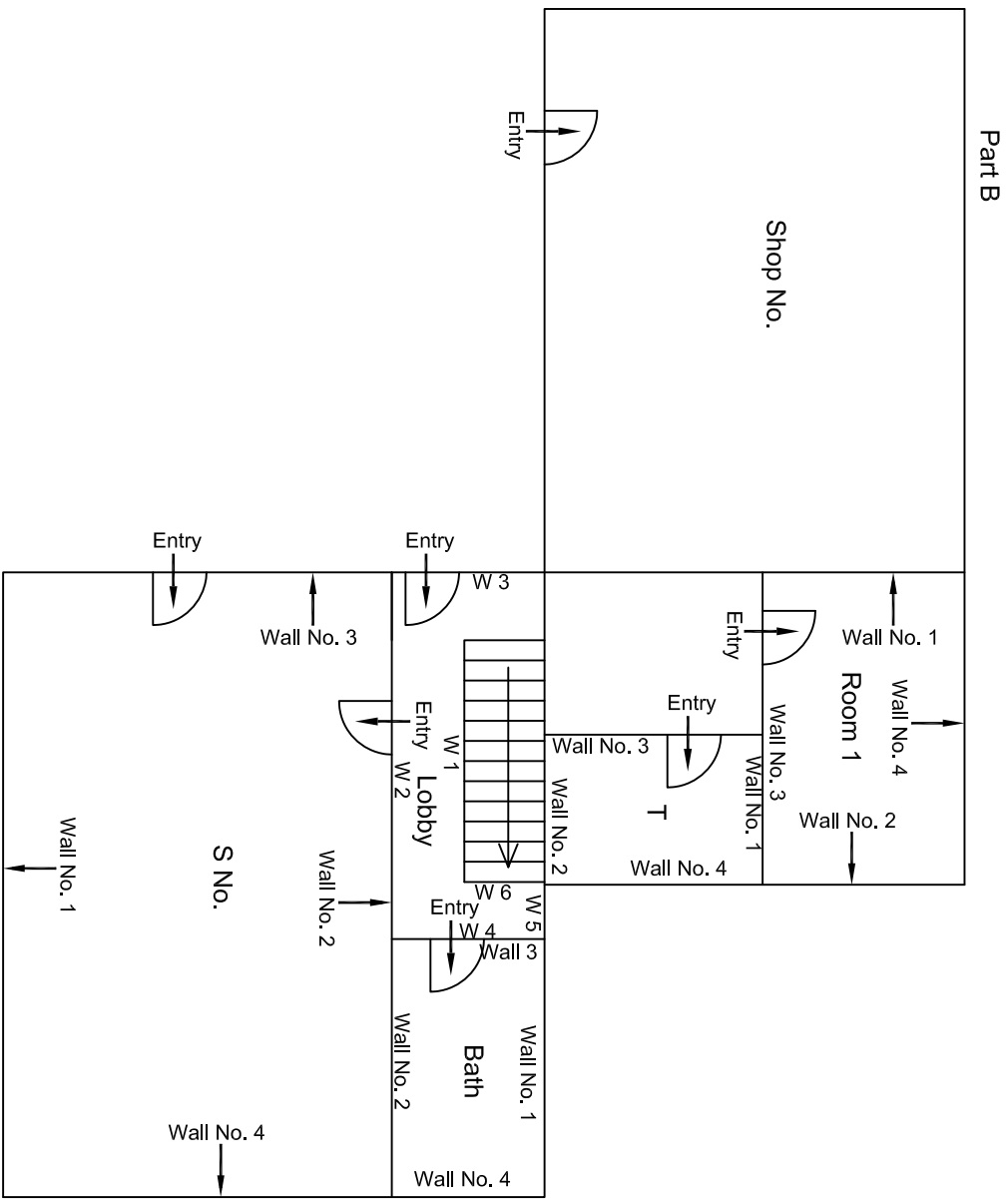
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Revision	Description of Revision	Drawn By	Approved By	Date	CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		
					CONSULTANT: OMIKRON KAPPA - INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		
					SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badli Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badli Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					DRAWING TITLE: Third Floor Plan of House No. 306 above shop No. 40		DRAWING NO.: AIM/ESG/12315/ BC-RA-DN-0020/FF-1F /03		
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Ground Floor Plan

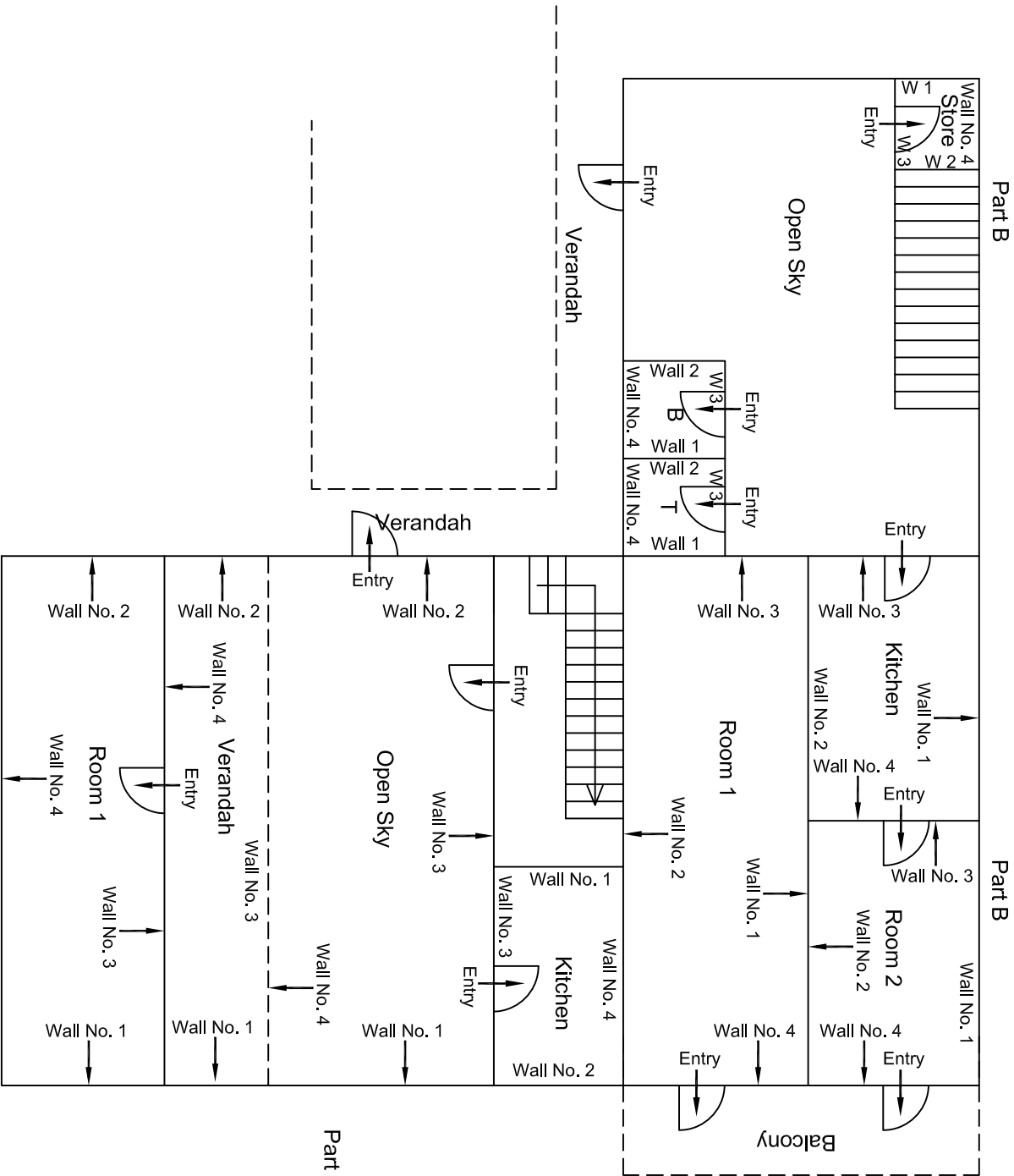
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No. 1 & 2, Ramgani Bazar		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0025 /01 & 02 / 00		
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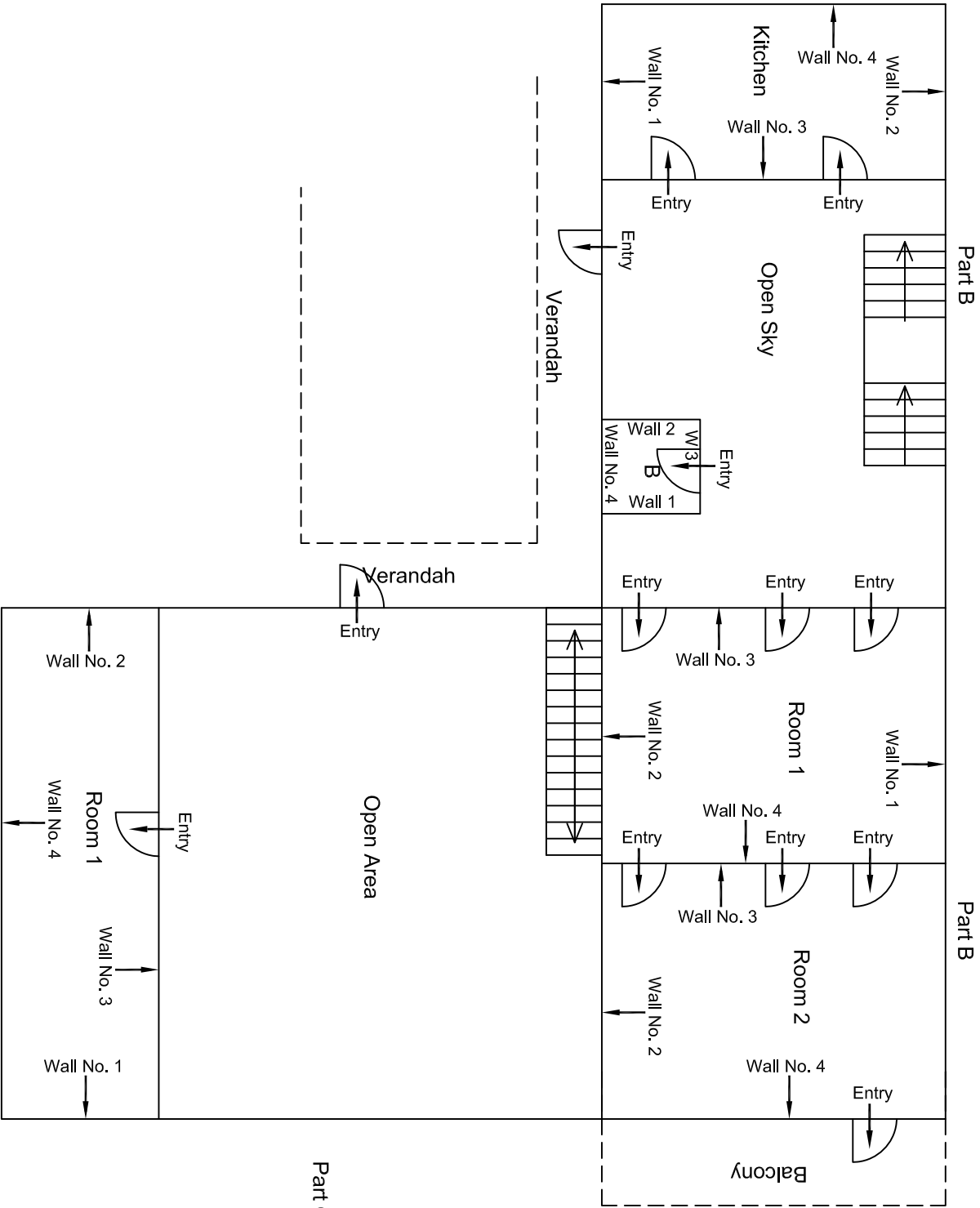
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of House No 347 Ramganj Bazar		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0027/GF/TF/ 01	
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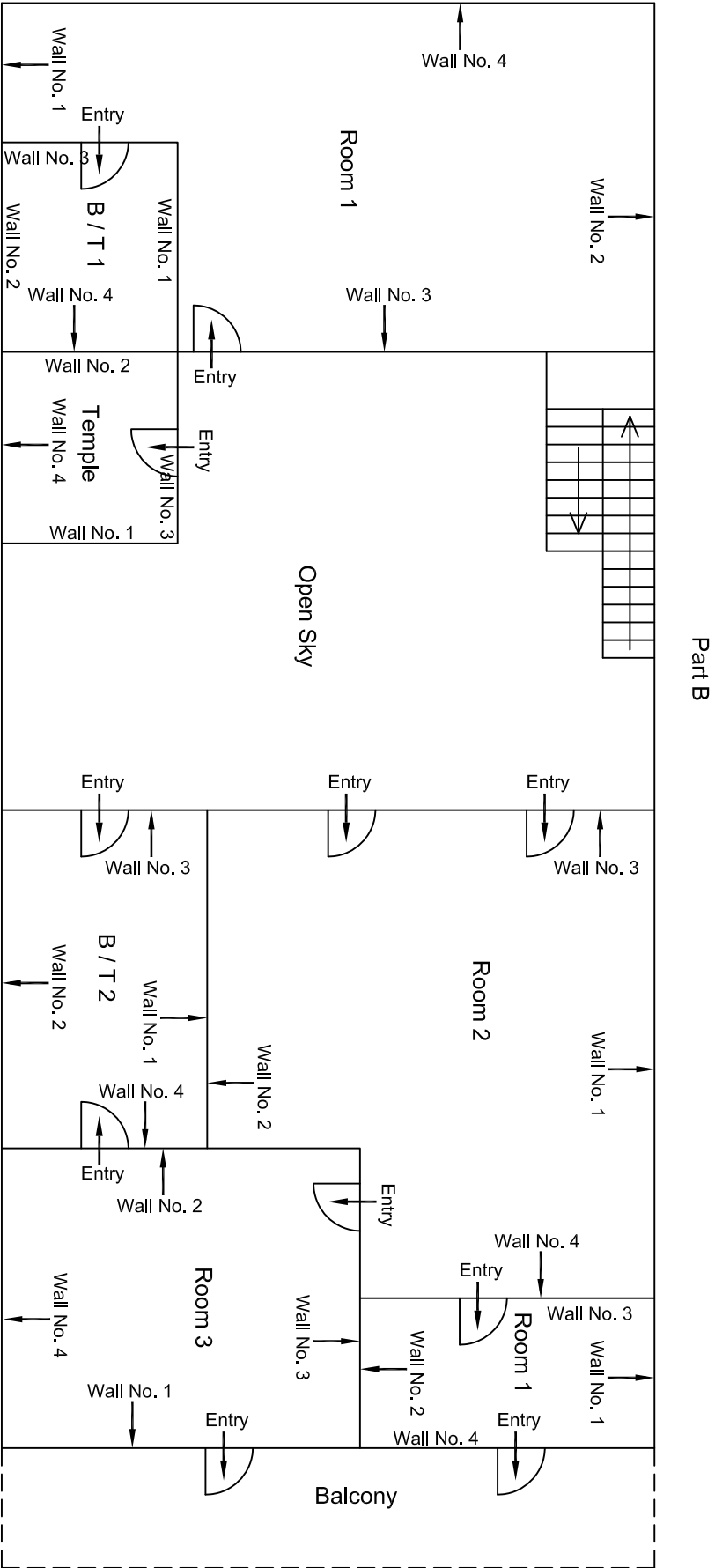
First Floor Plan

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Second Floor Plan

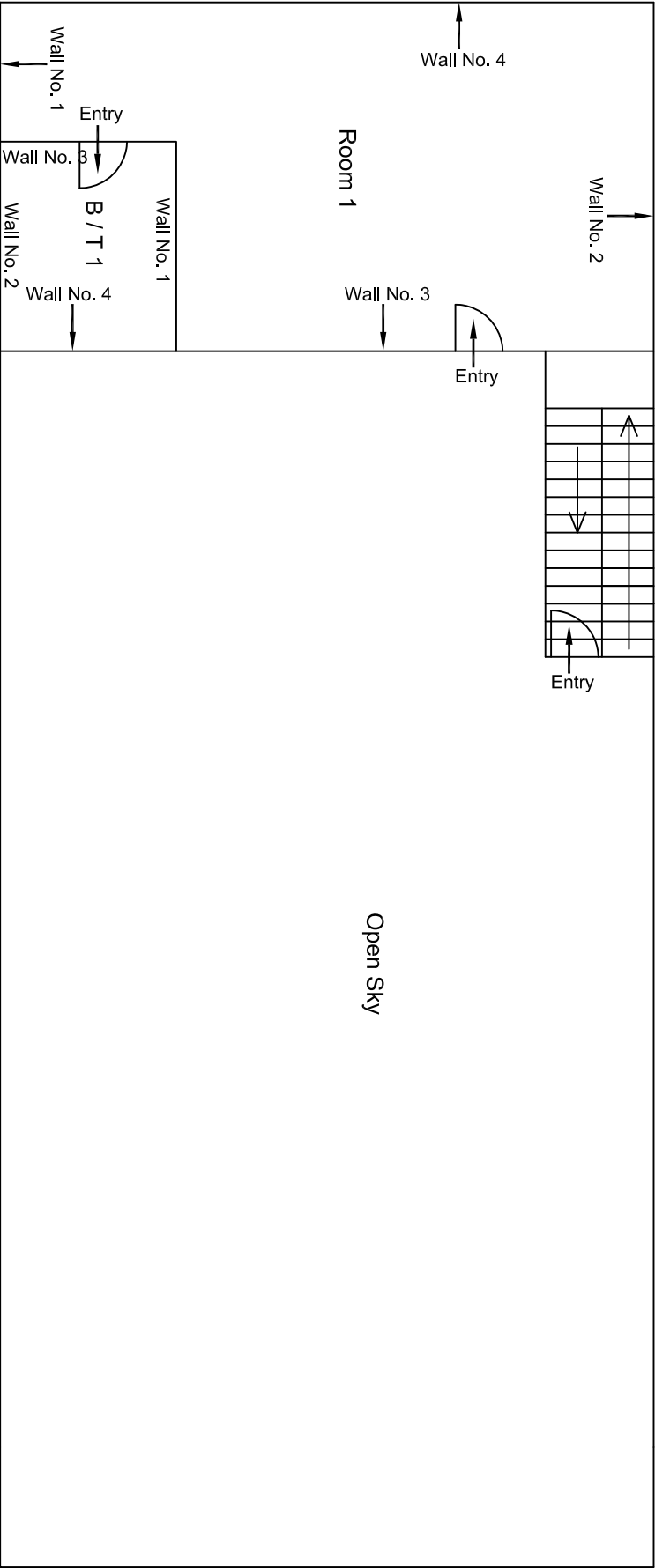
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Third Floor Plan

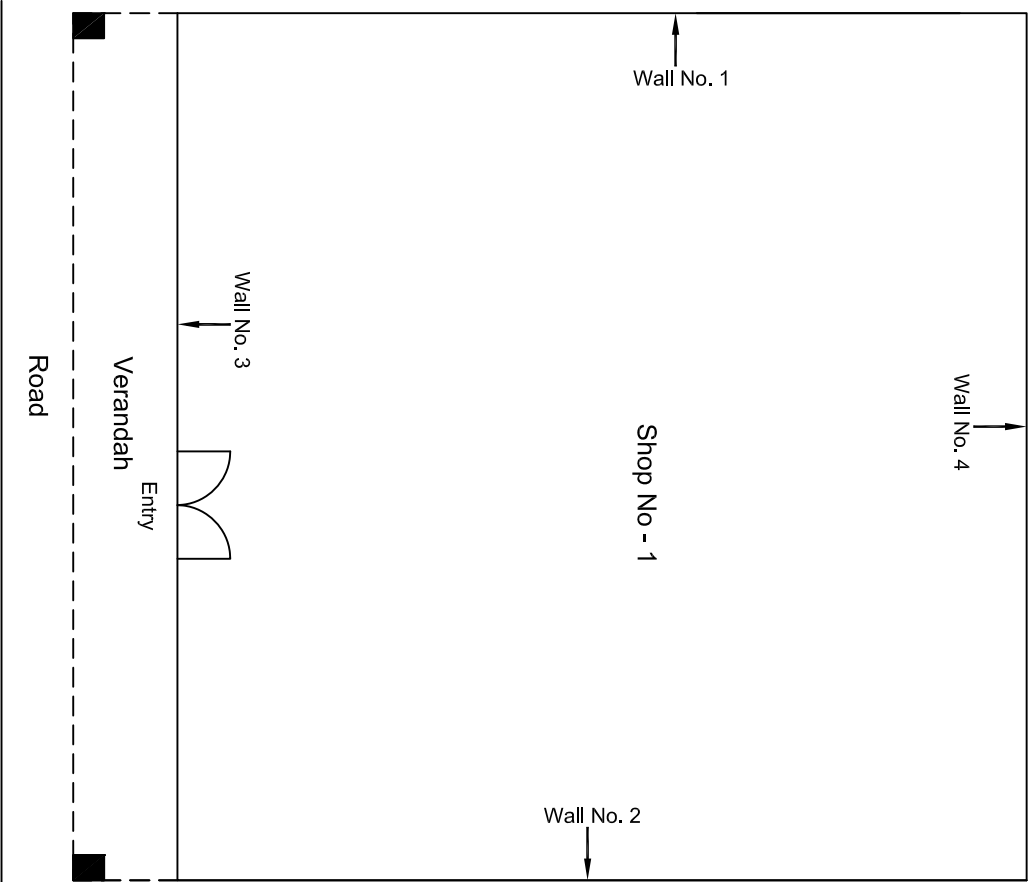
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					SUB-CONTRACTOR: AIMIL LIMITED		
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Part B



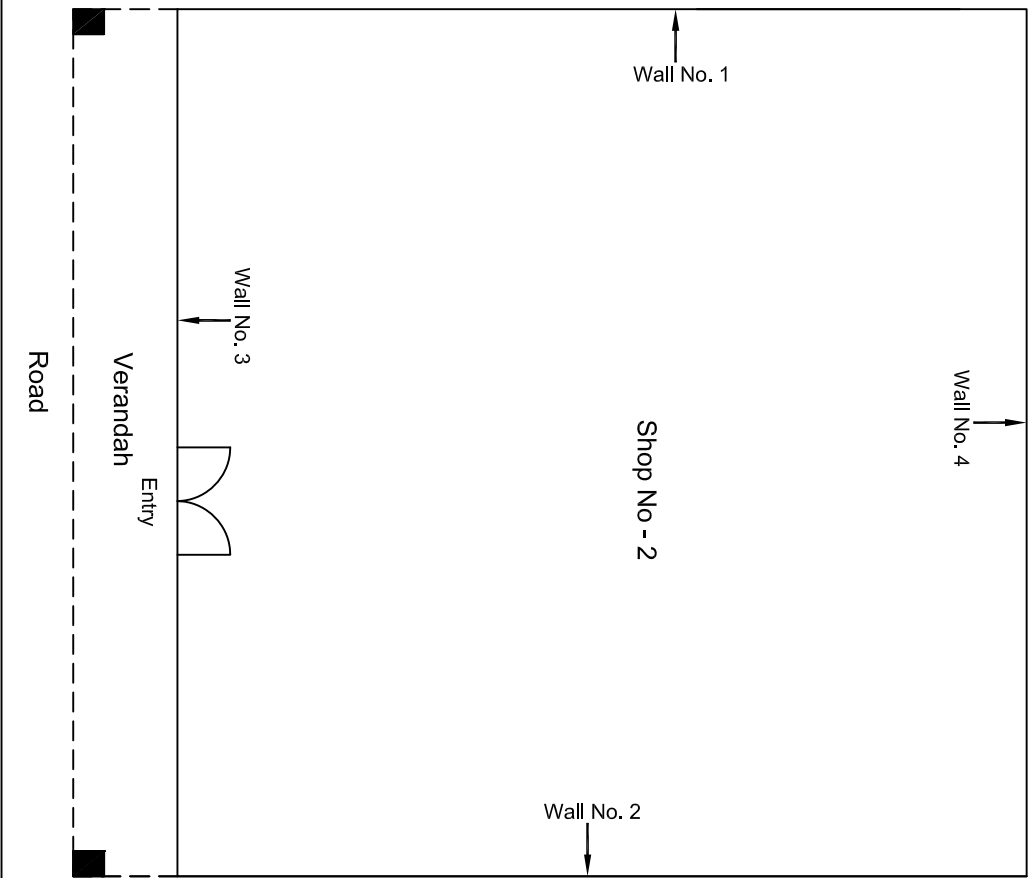
Forth Floor Plan

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				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Forth Floor Plan of Part B House No 347 Ramganj Bazar	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0027/GF/TF/ 05	REVISION: R0
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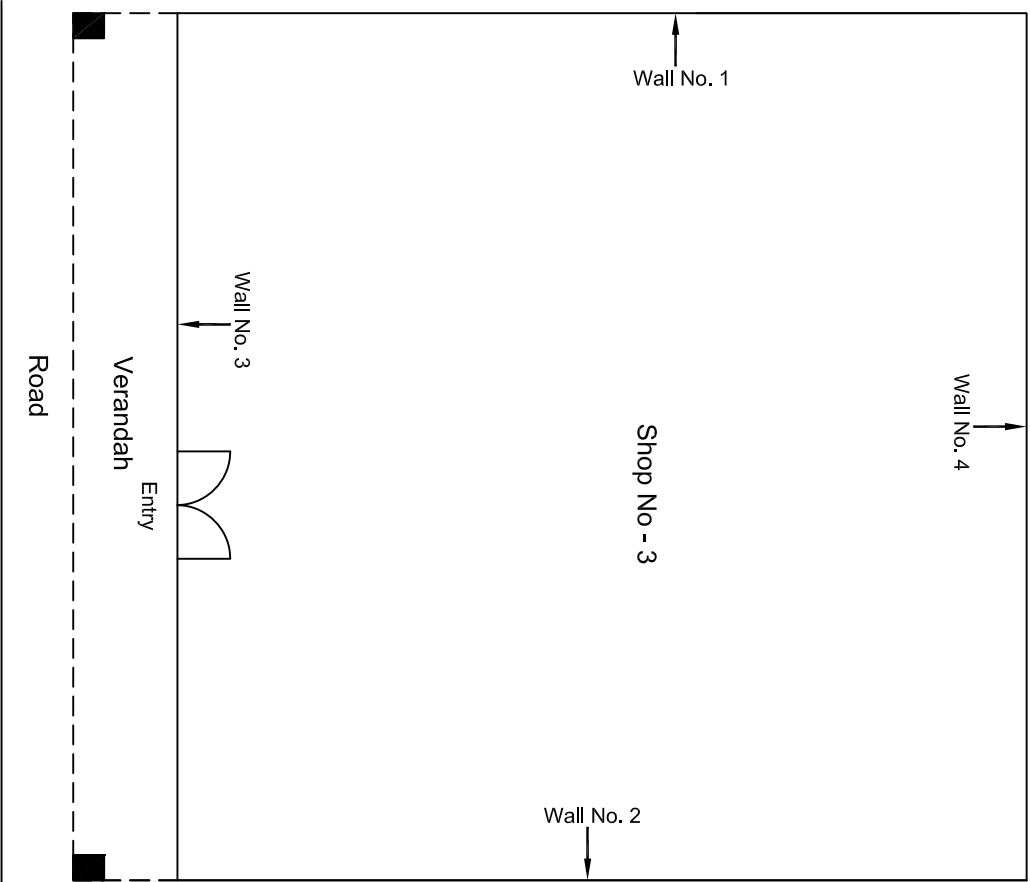
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				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 1 Rajendra Kumar Ranganji Bazar Badi Choped		
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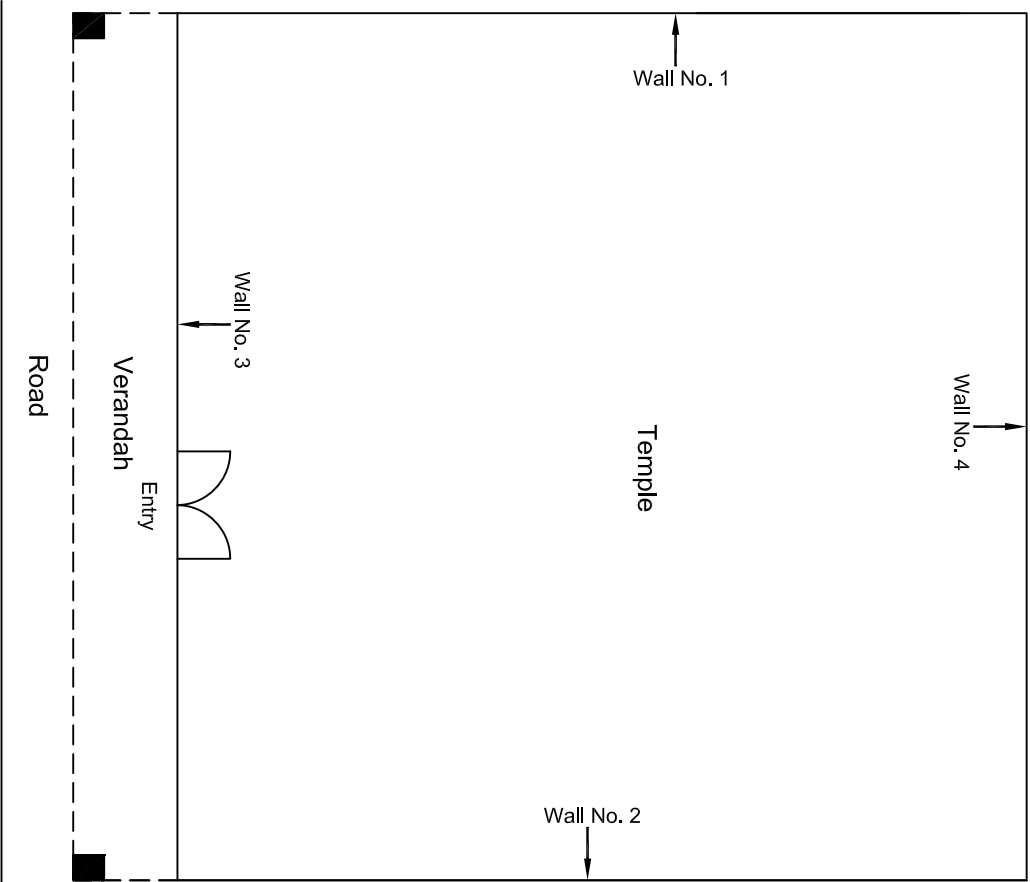
Ground Floor Plan

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					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 2 Banshi Lal Laxman Narayan Ramanj Bazar Badi Choped			
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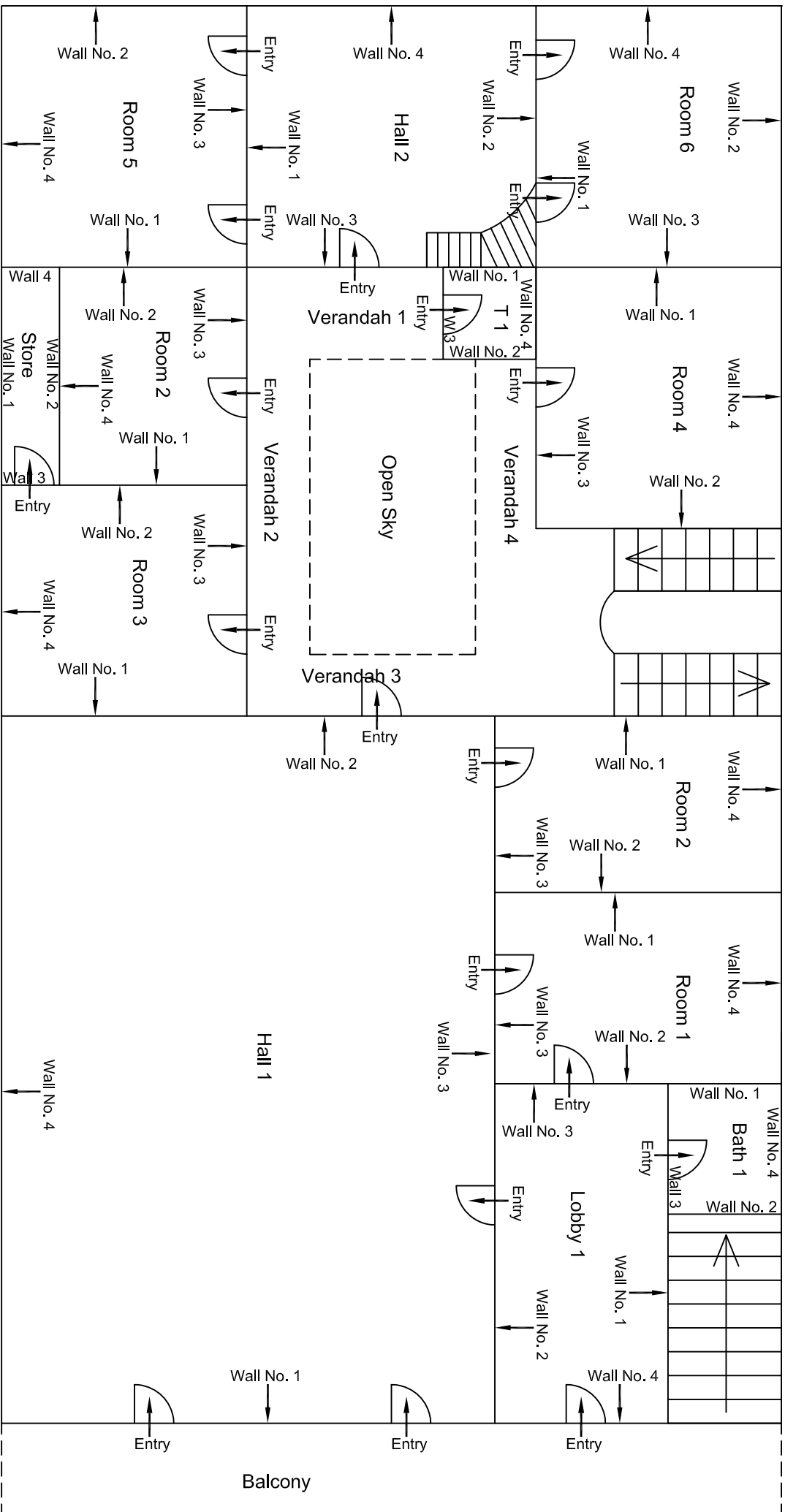
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 3 Murti Tulshi Das Ranganji Bazar Badi Choped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0026/3/ 01		
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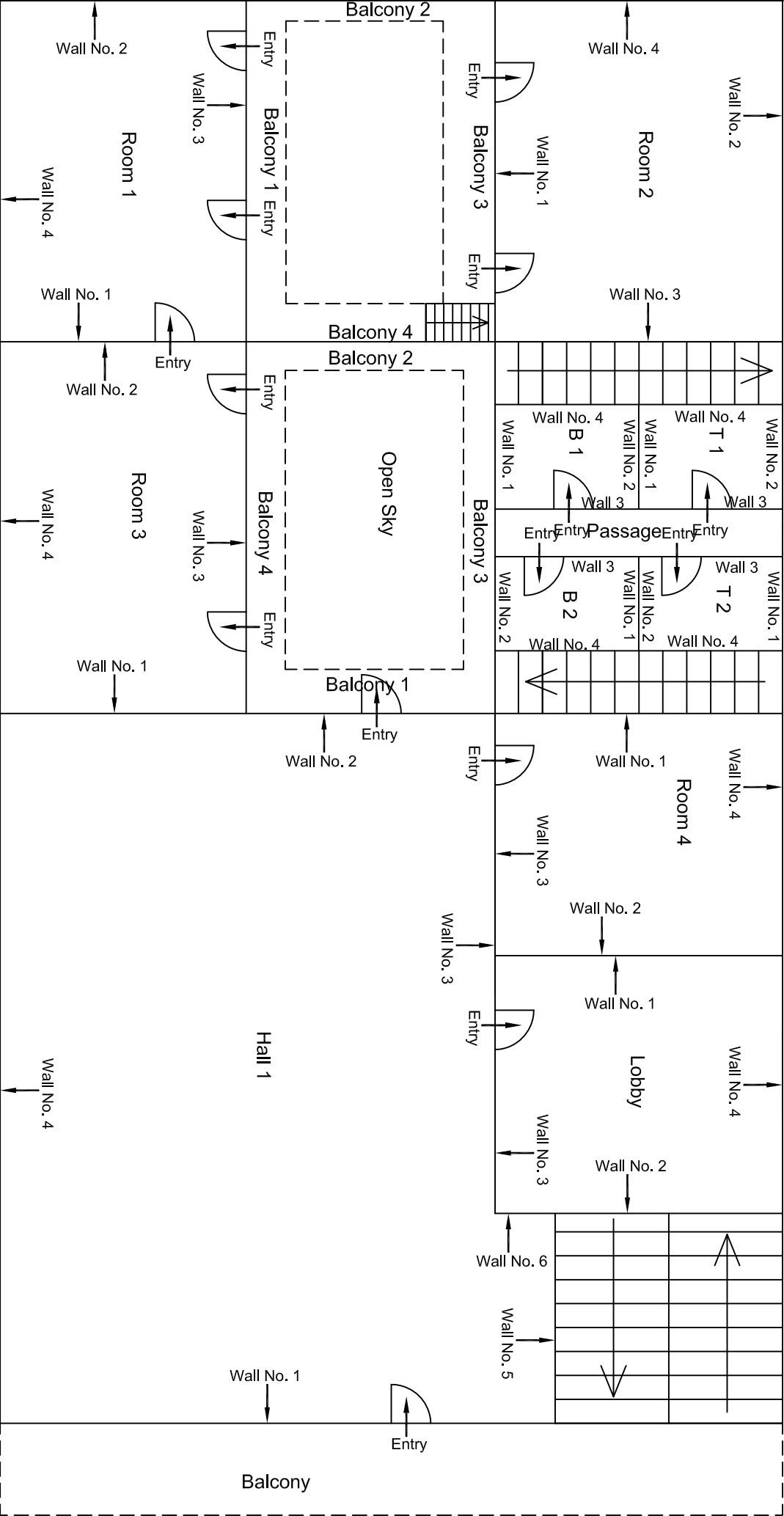
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Ground Floor Plan



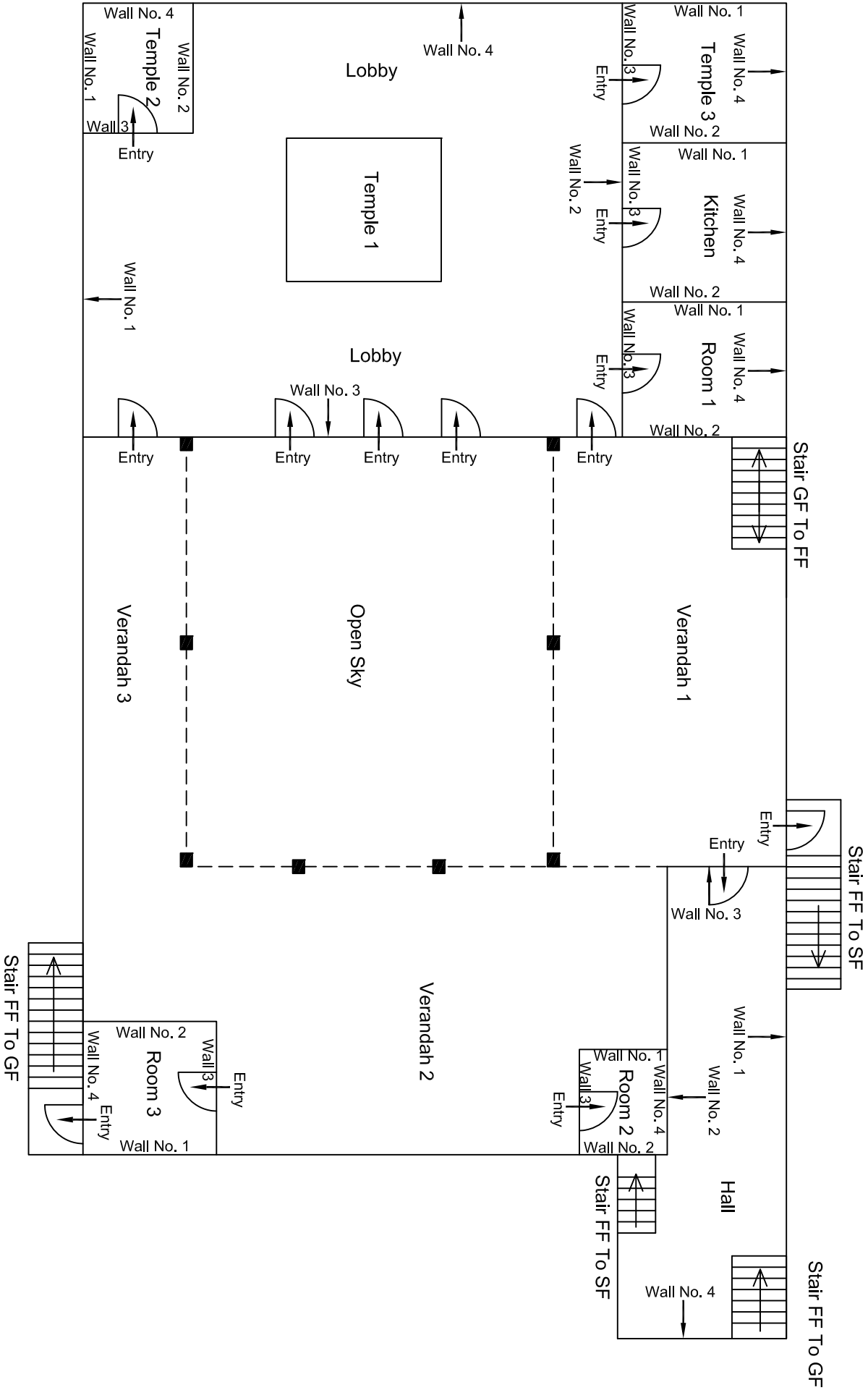
First Floor Plan

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					CONSULTRANS JV			
					CLIENT:	CONTRACT:		DRAWING TITLE:
					DMRC/JMRC	Jaipur Metro Phase 1B		First Floor Plan of House No 356 Jain Dhamsala Ranganj Bazar
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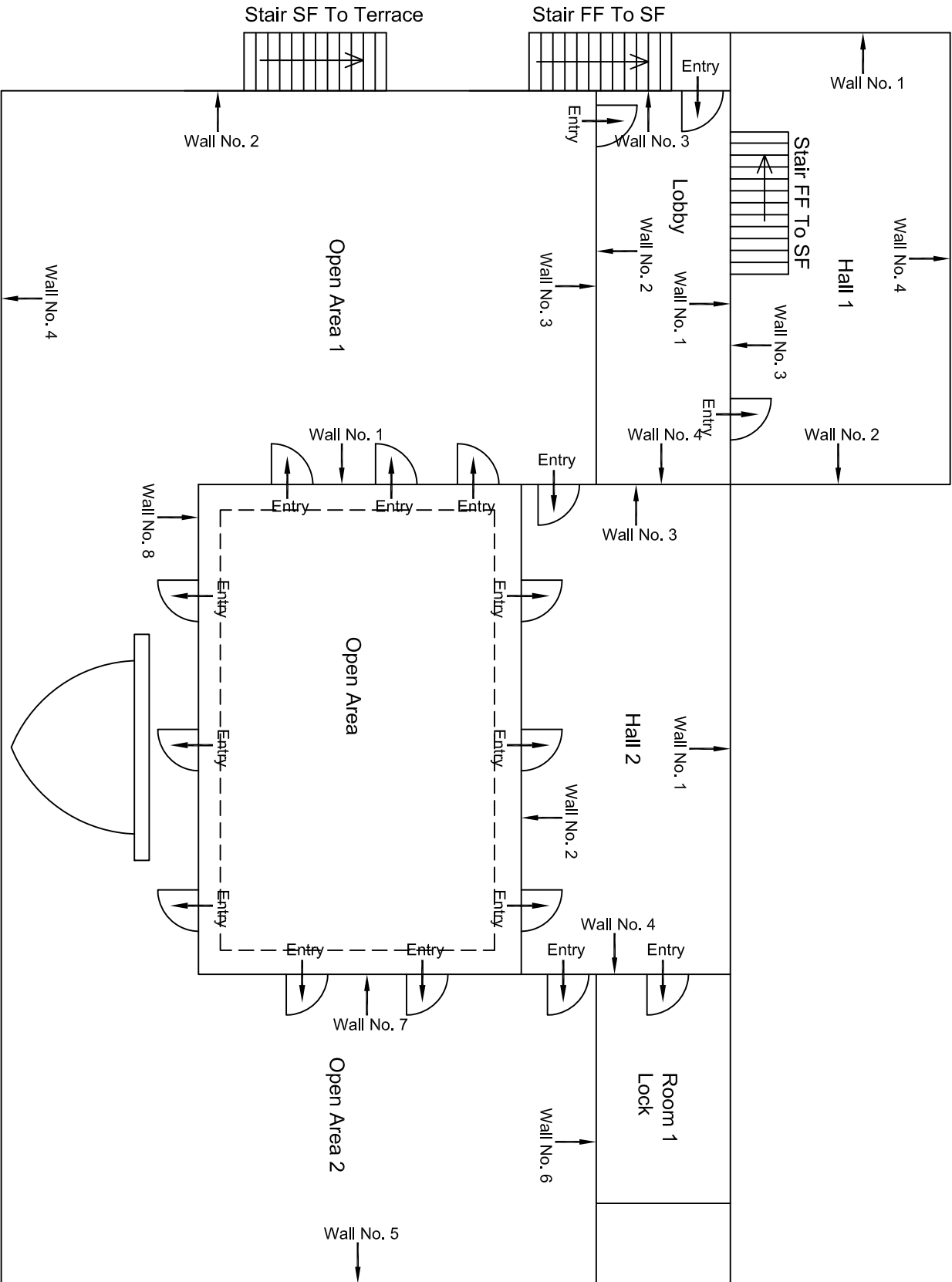
Second Floor Plan

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Revision	Description of Revision	Drawn By	Approved By	Date					
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					CONSULTTRANS JV			DRAWING TITLE:	
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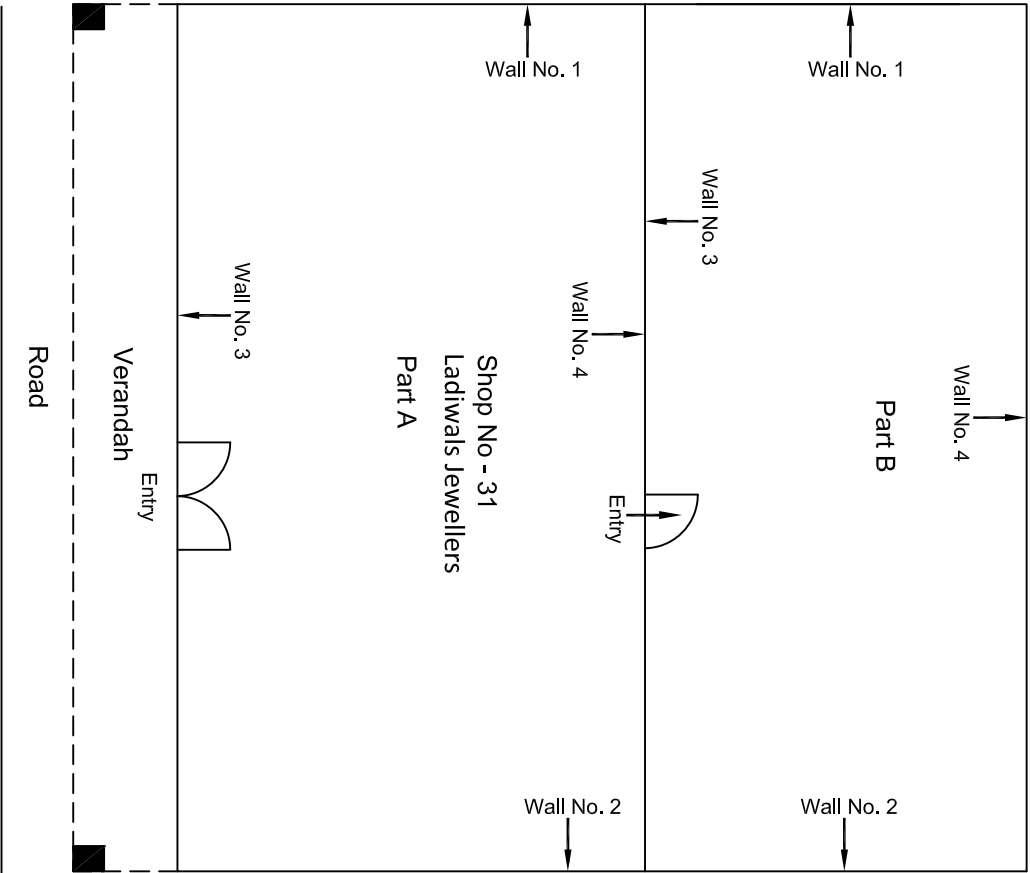
First Floor Plan

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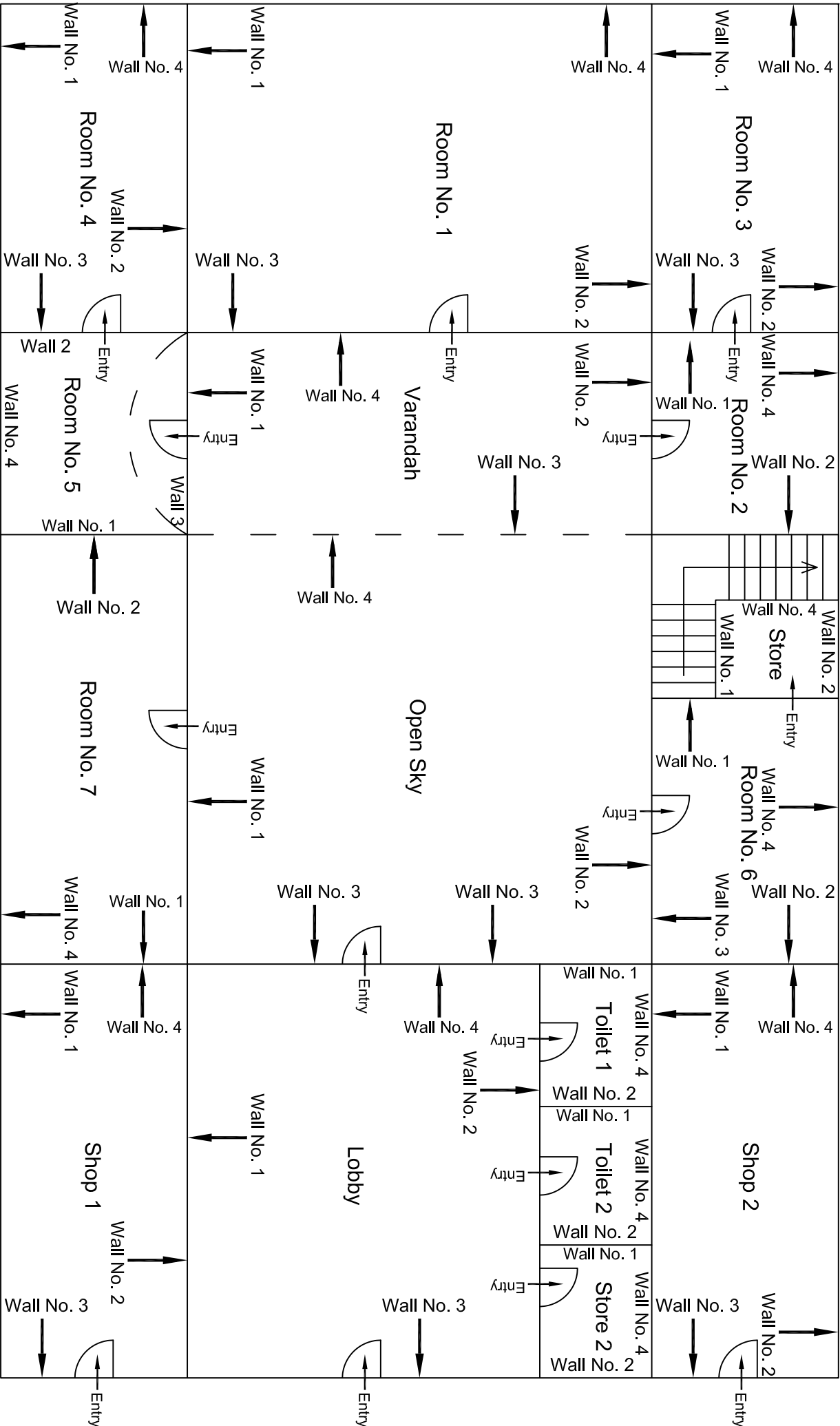
Second Floor Plan

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					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Second Floor Plan of House No 279 Sh. Dignmber Jain Mandir Ramganj Bazar
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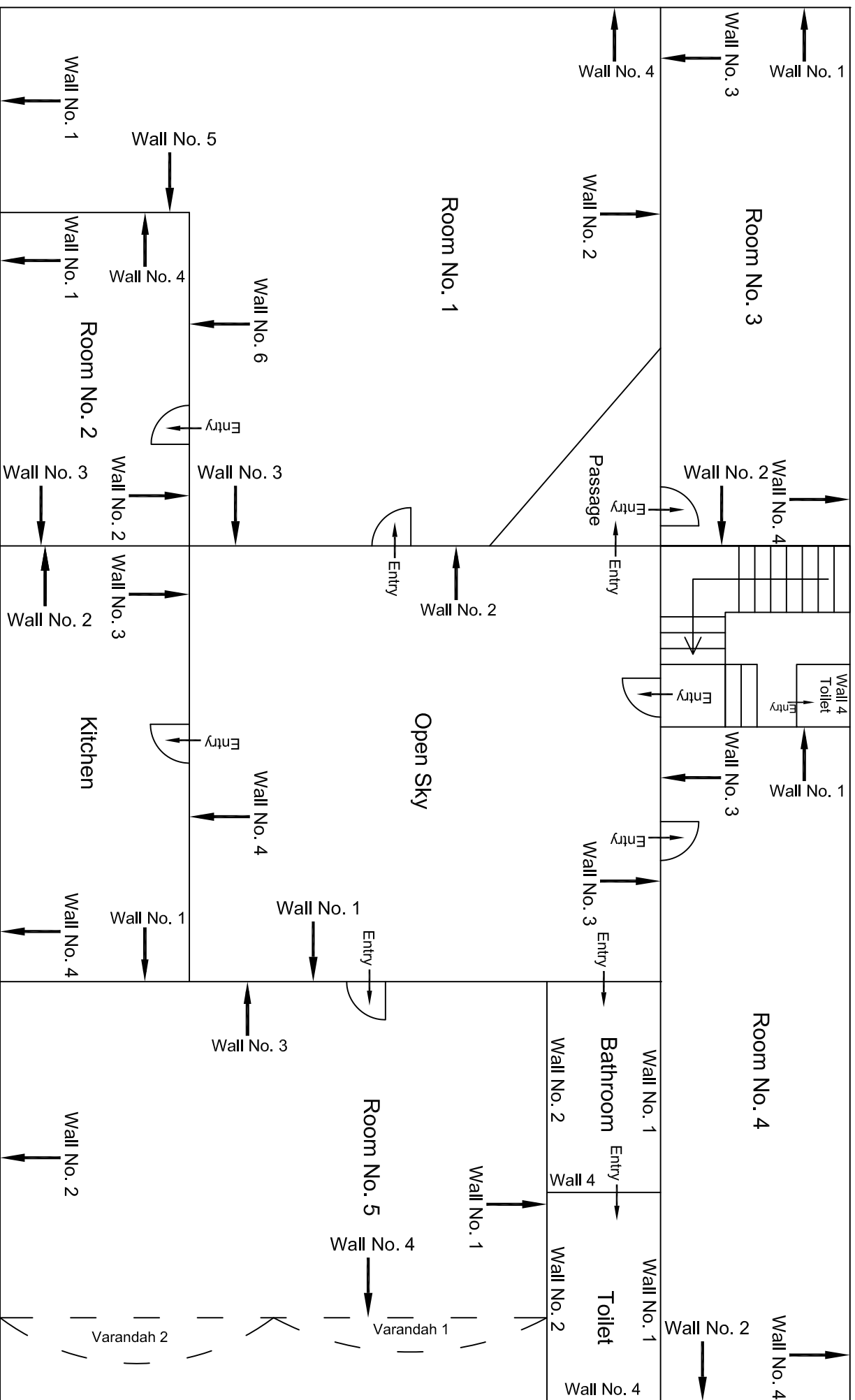
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 31 Ramganj Bazar Badi Choped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0013/31/ 01		
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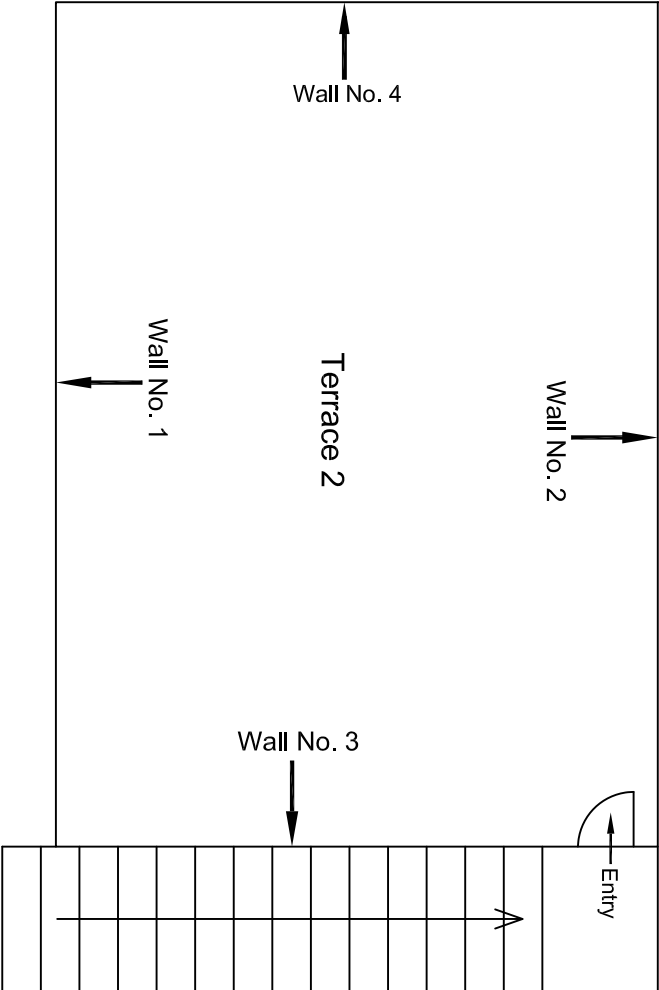
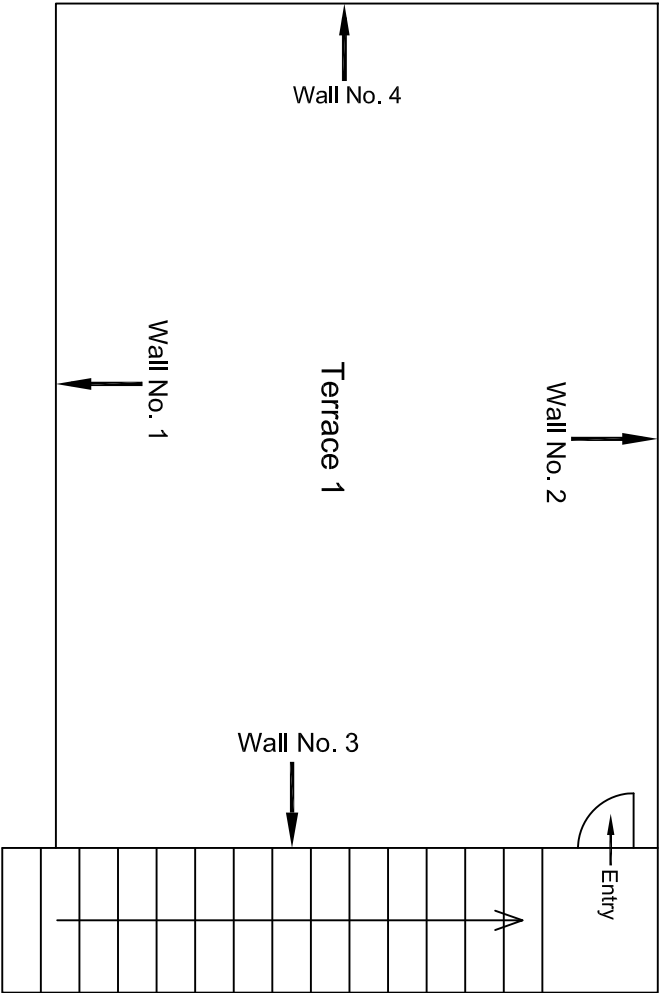
Ground Floor Plan

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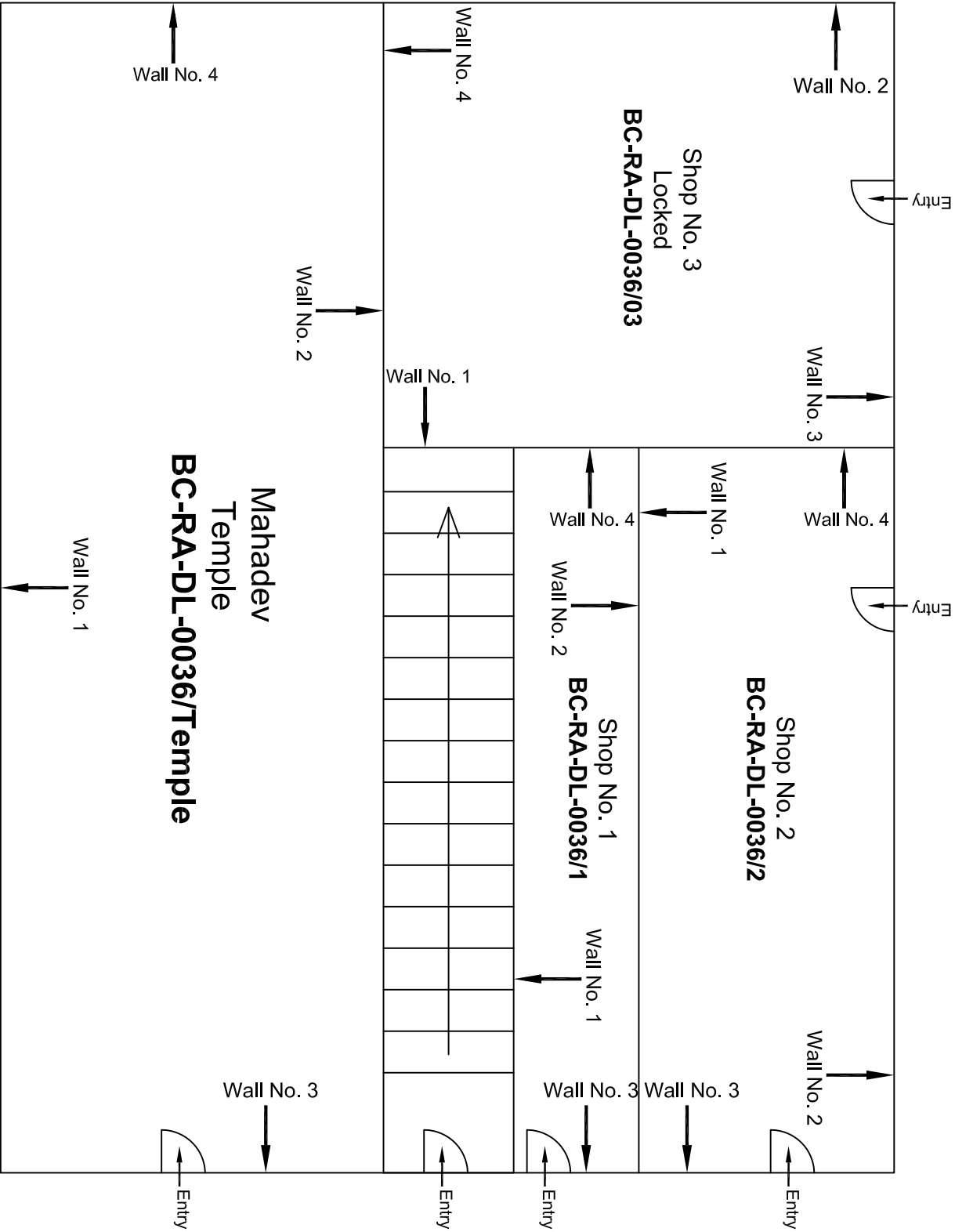
First Floor Plan

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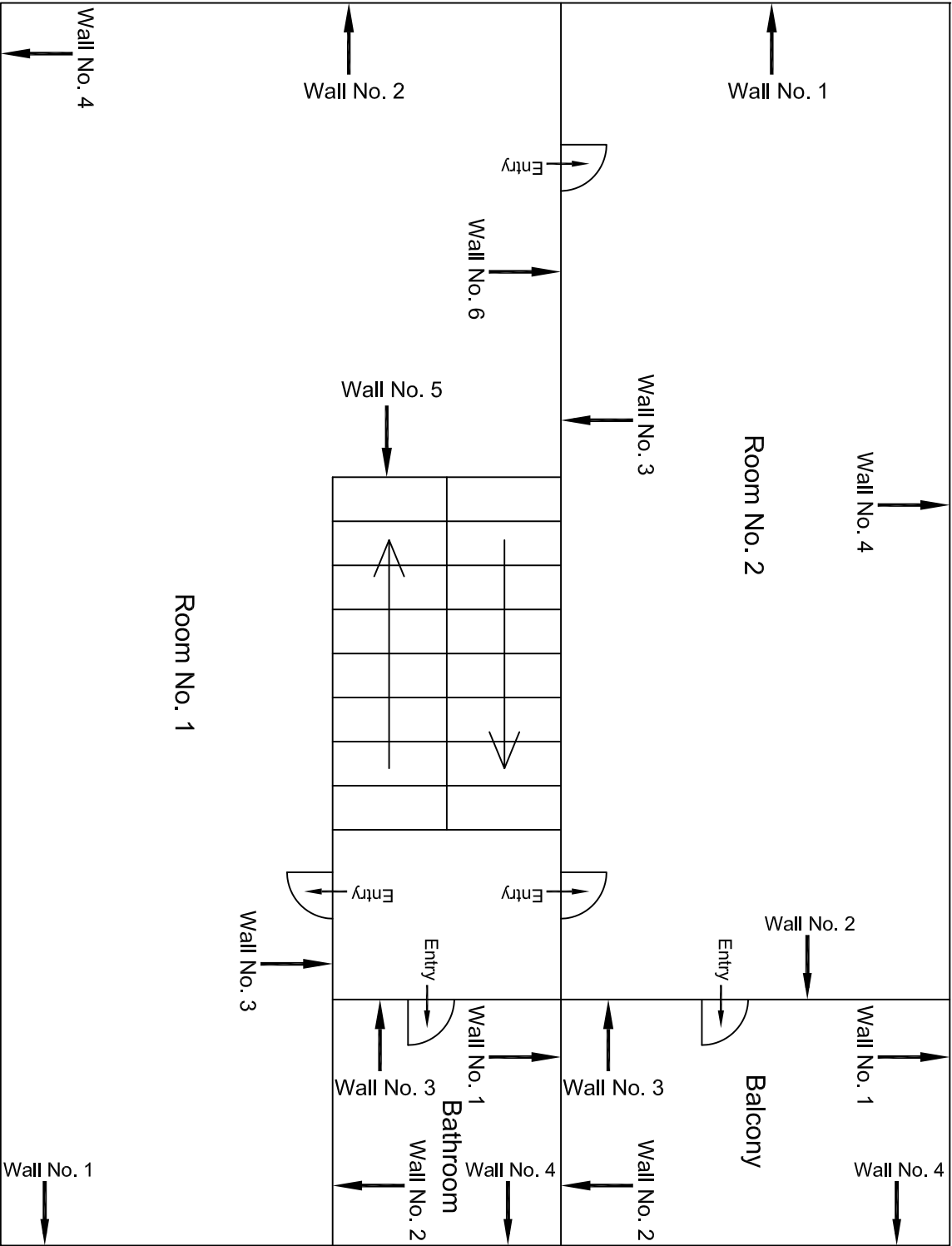
Terrace Floor Plan

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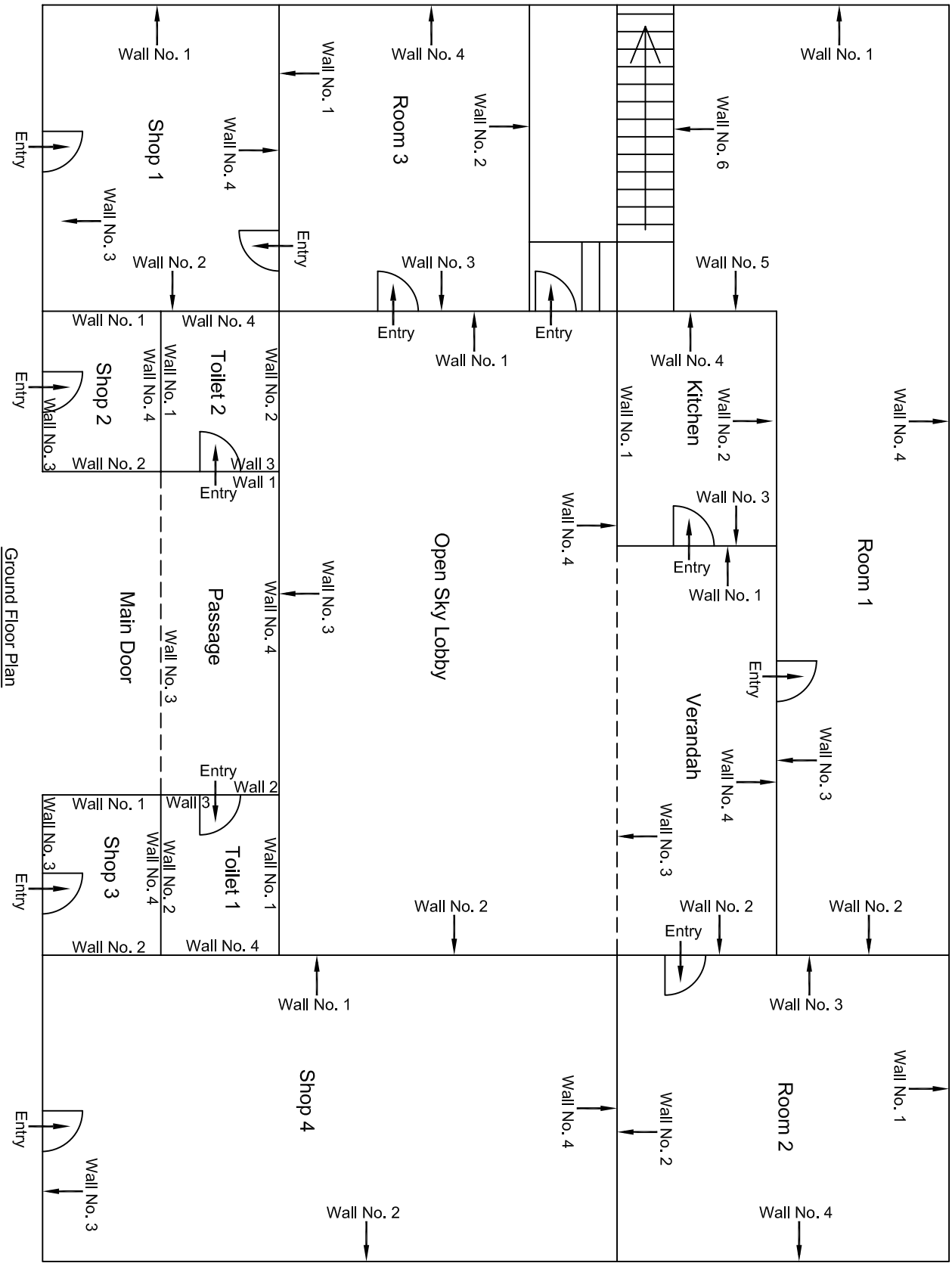
Ground Floor Plan

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			OMIKRON KAPPA - INDUS CONSULTANS JV	CEC	AIMIL LIMITED			
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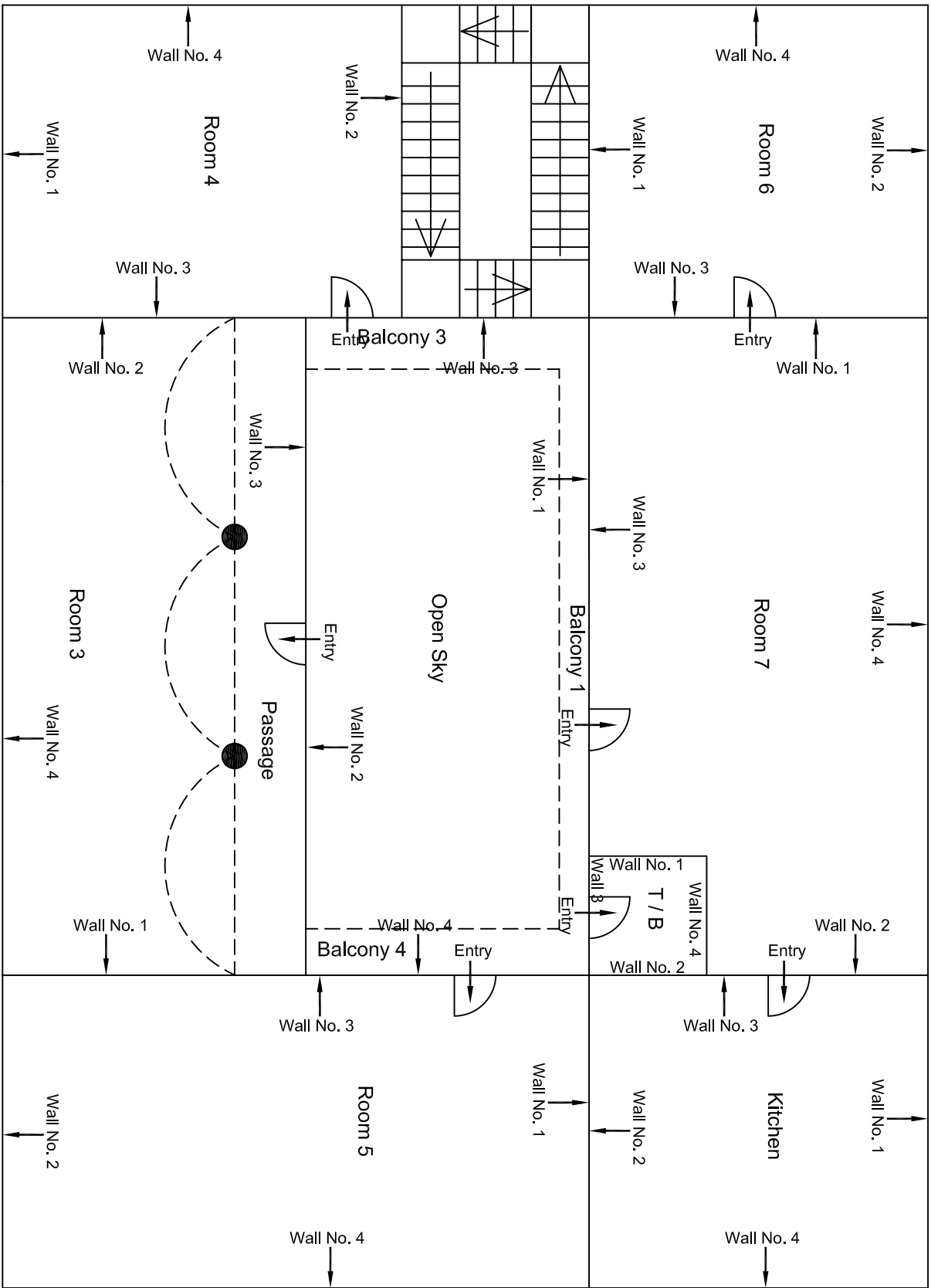


First Floor Plan

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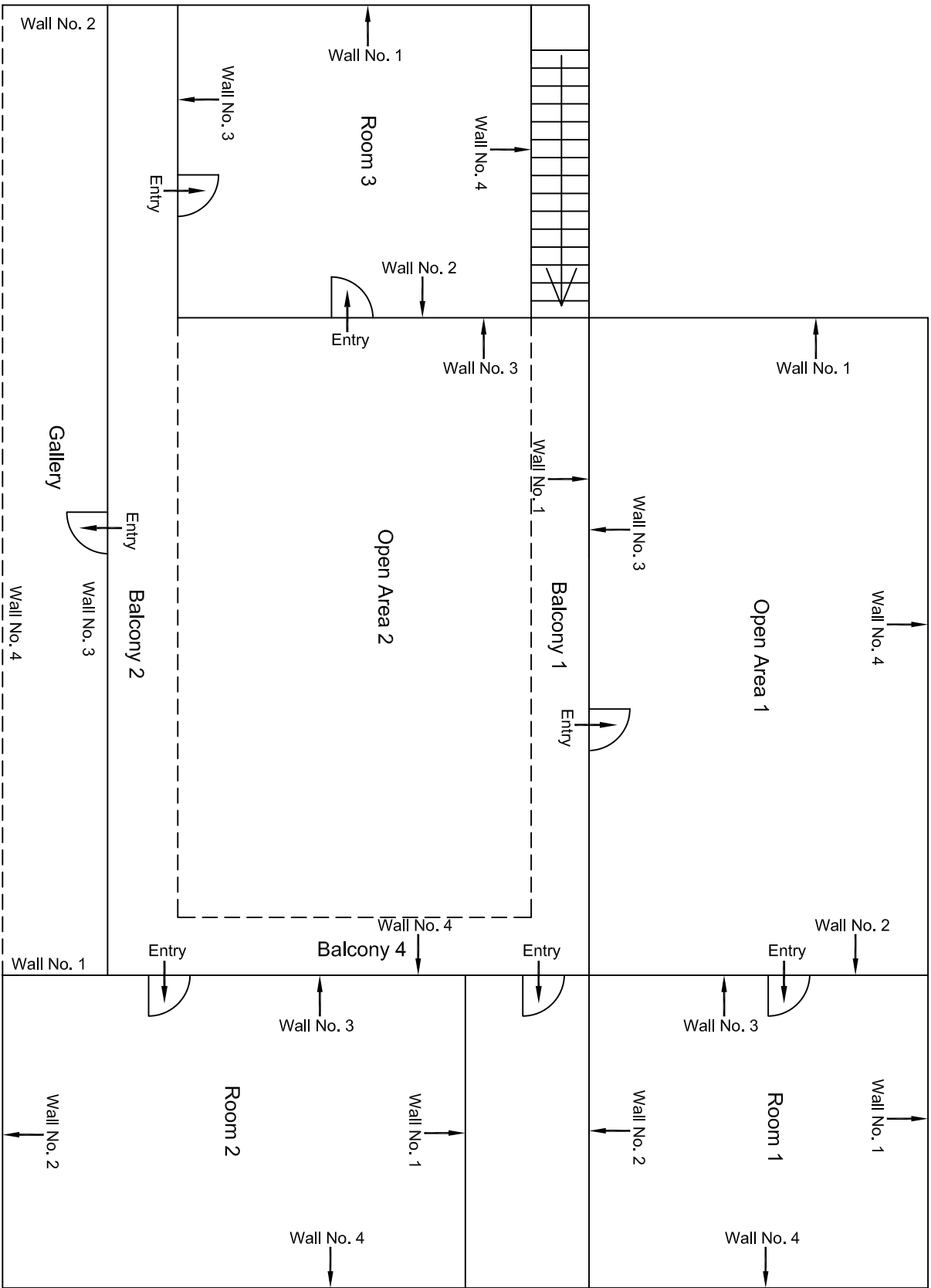


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OMIKRON KAPPAPANDUS			CEC		
CONSULTRANS JV					
CLIENT:			SUB-CONTRACTOR:		
DMRC/JMRC			AIMIL LIMITED		
			PROJECT TITLE:		
			Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
			DRAWING TITLE:		
			Ground Floor Plan of House NO. 290, Rangani Bazar		
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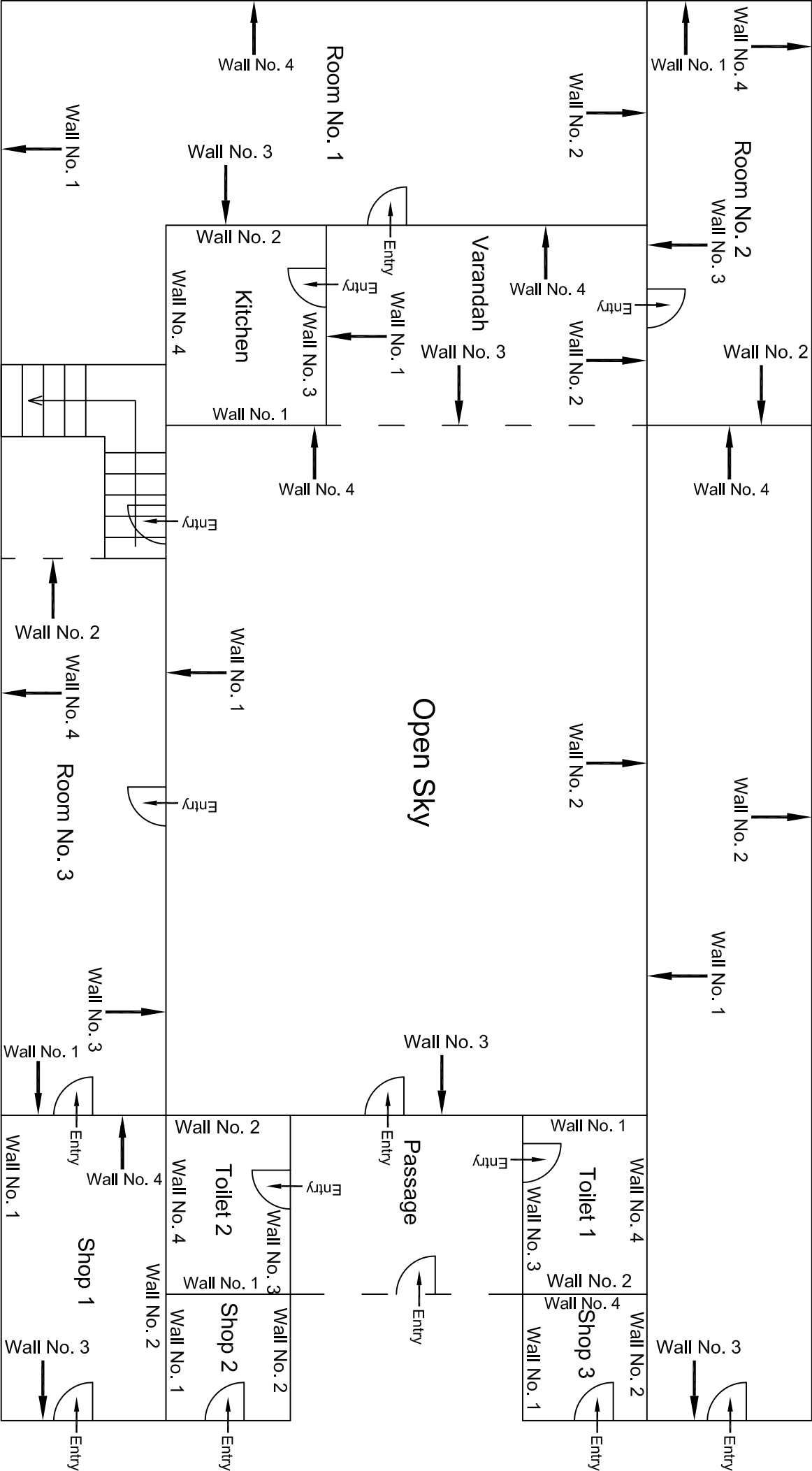
First Floor Plan

				CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of House NO. 290, Rangani Bazar		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0037/GF/SF/ 02	
00		NP	Dr. PRC	16.11.2013				SCALE: Not to Scale		REVISION: R0	
Revision	Description of Revision	Drawn By	Approved By	Date							



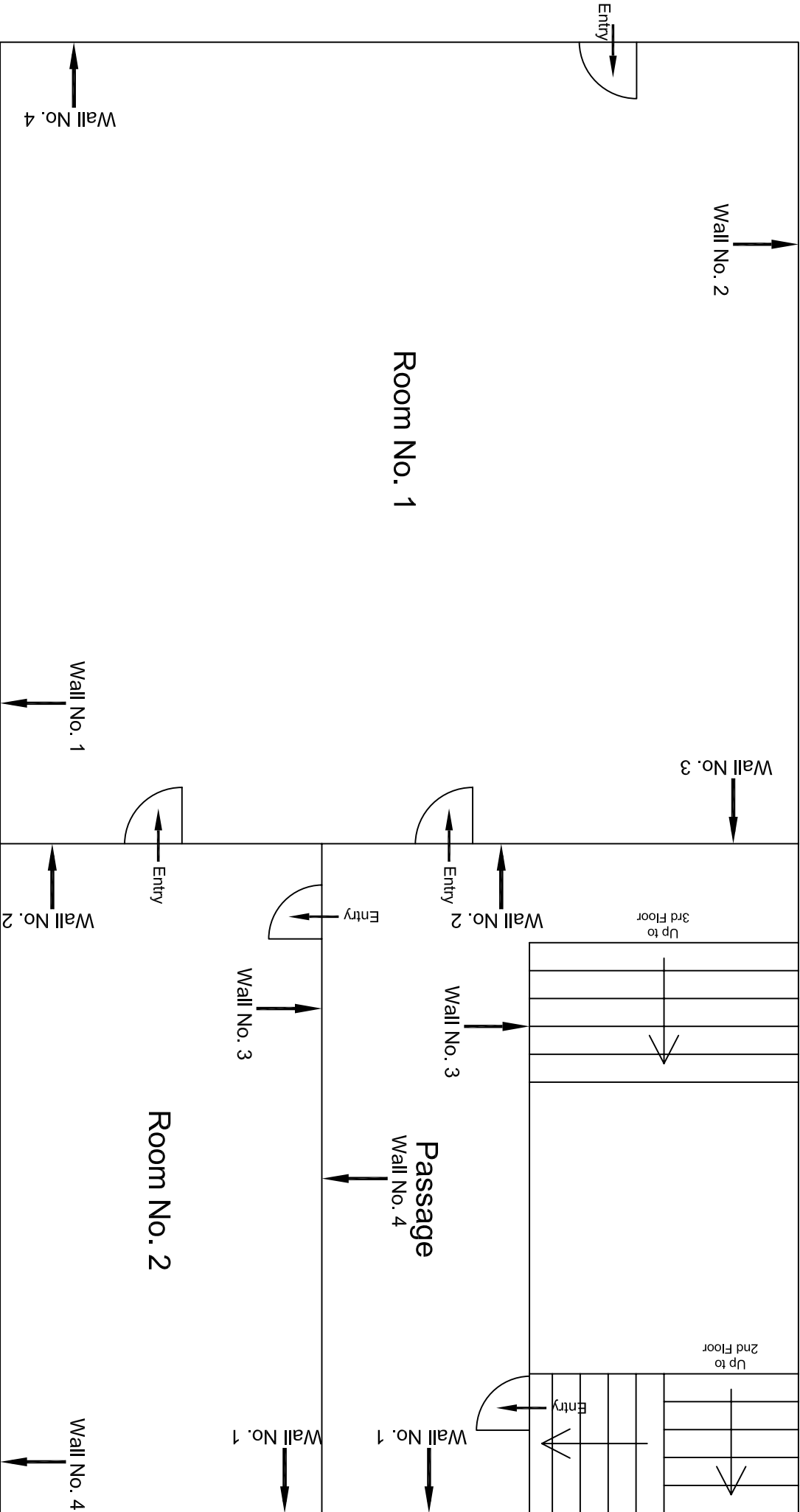
Second Floor Plan

00		NP	Dr. PRC	16.11.2013	CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B
						SUB-CONTRACTOR: AIMIL LIMITED
						DRAWING TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
						DRAWING NO.: AIM/ESG/12315/ BC-RA-DN-0037/GF/SF/ 03
						SCALE: Not to Scale
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Revision	Description of Revision	Drawn By	Approved By	Date		



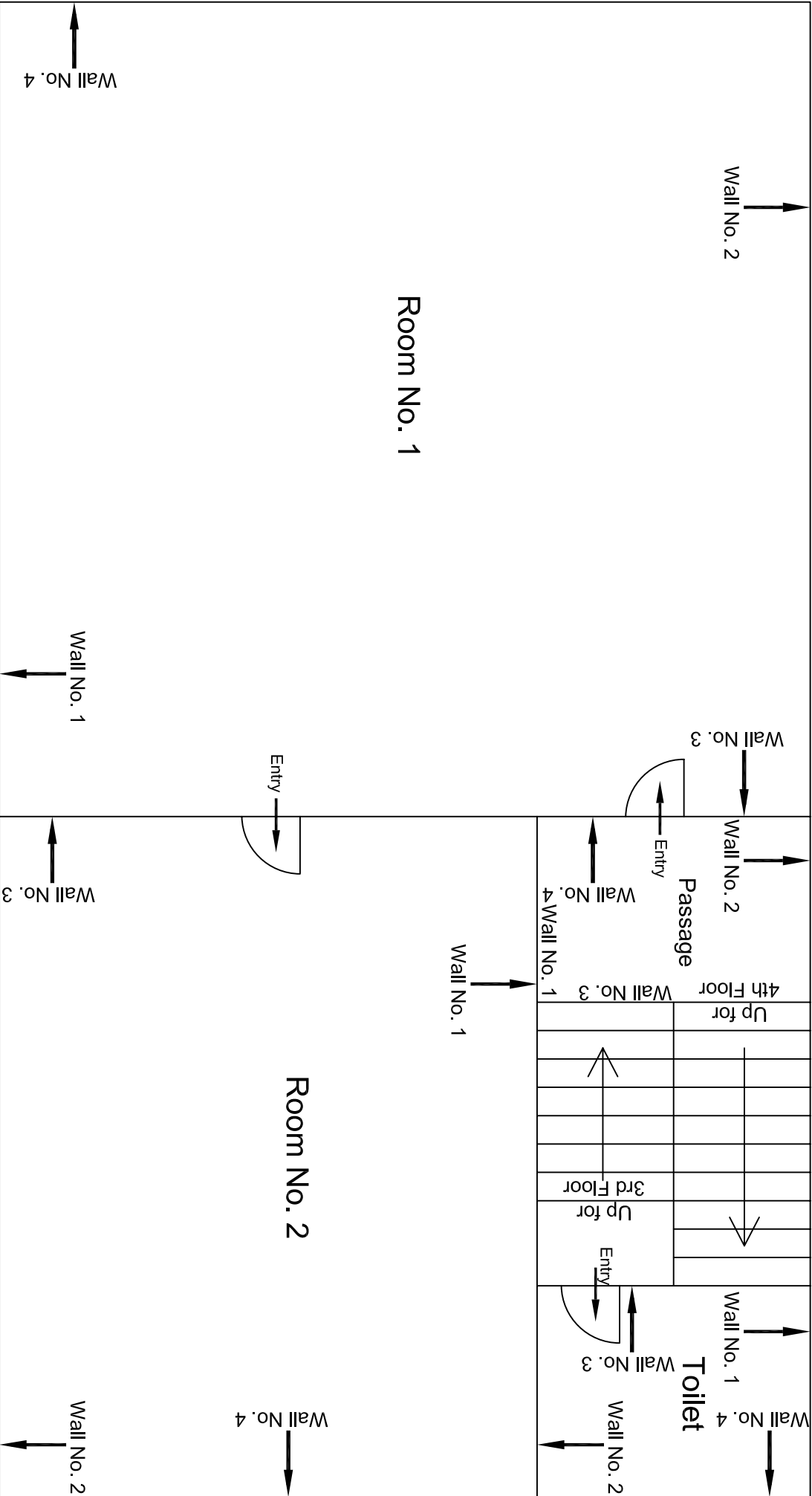
Ground Floor Plan

					CONSULTANT:	MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE:		
					OMIKRON KAPPA - INDUS CONSULTRANS JV	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
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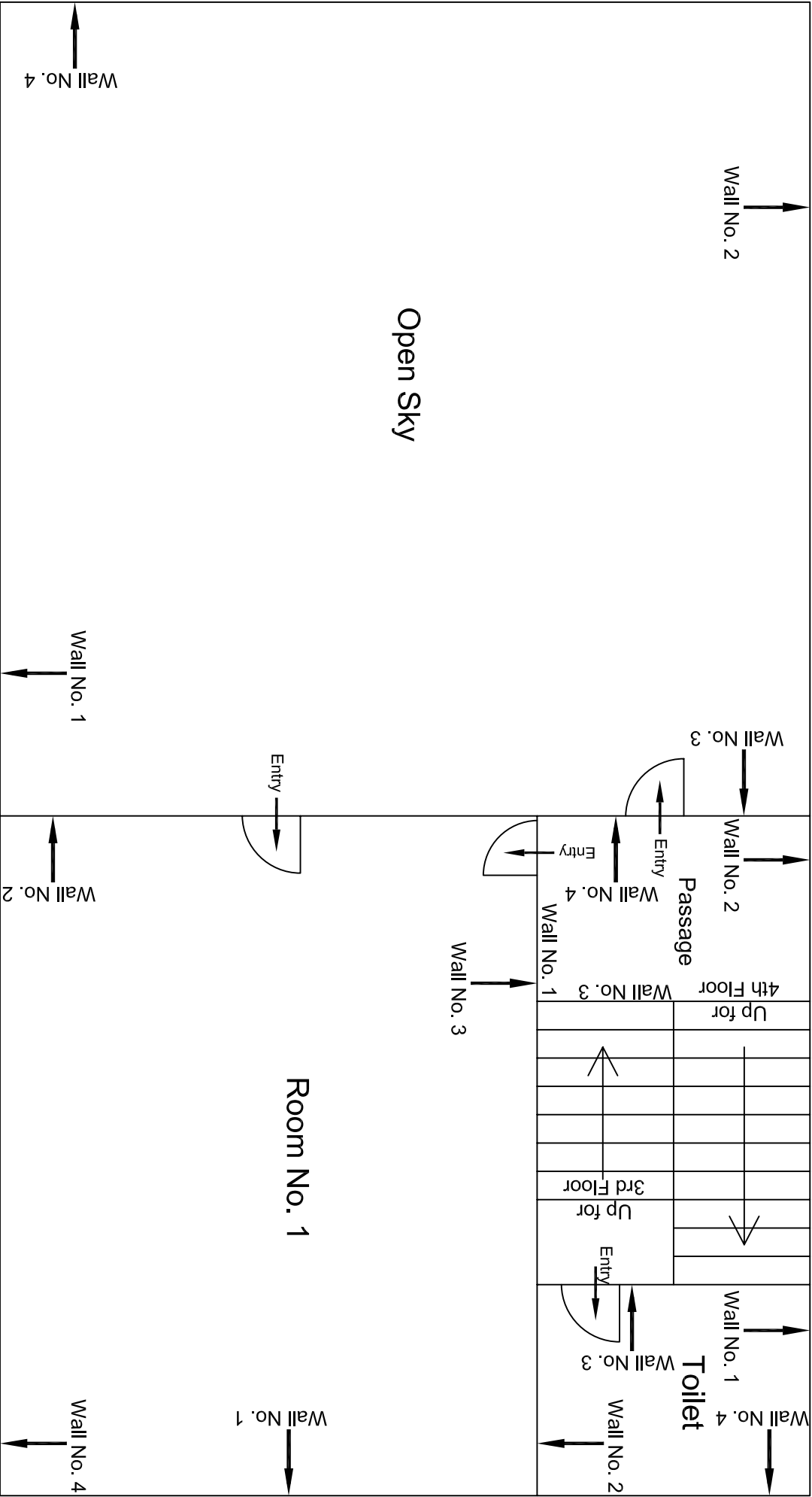
Second Floor Plan

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					OMIKRON KAPPA - INDUS	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badli Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badli Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
					CONSULT TRANS JV			
					CLIENT:	CONTRACT:		DRAWING NO.:
					DMRC/JMRC	Jaipur Metro Phase 1B		AIMIL/ESG/12315/ BC-RA-DN-0041/FF-5TH /02
00		NP	Dr. PRC	16.11.2013				SCALE:
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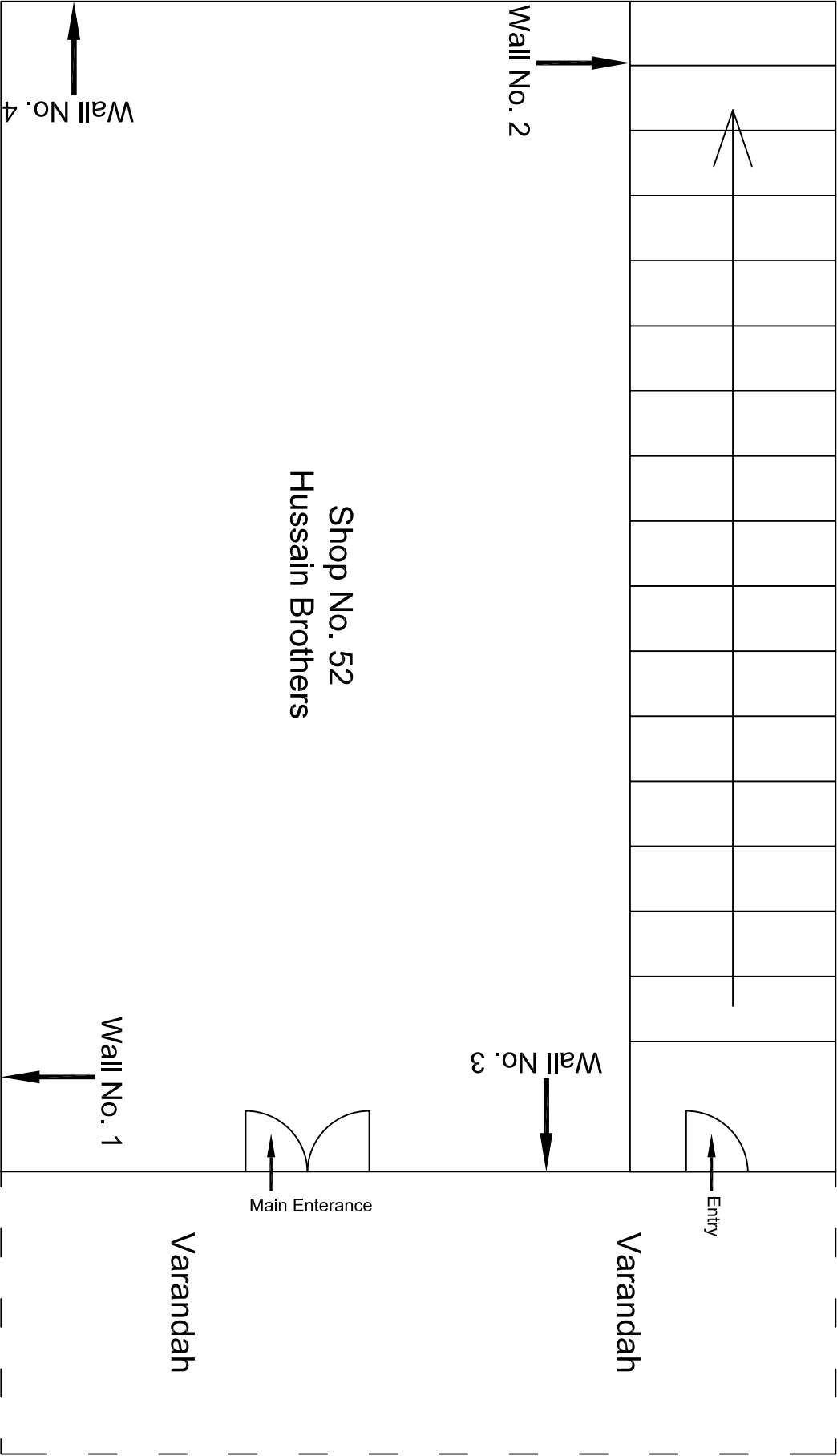
Third Floor Plan

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					OMIKRON KAPPA - INDUS	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choil Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B			
					CONSULTTRANS JV			DRAWING TITLE:			
					CLIENT:	CONTRACT:		Third Floor Plan of			
					DMRC/JMRC	Jaipur Metro Phase 1B		House above shop No. 49			
00		NP	Dr. PRC	16.11.2013				DRAWING NO.:	AIMIL/ESG/12315/ BC-RA-DN-0041/FF-5TH /03		
Revision	Description of Revision	Drawn By	Approved By	Date				SCALE:	Not to Scale		REVISION:
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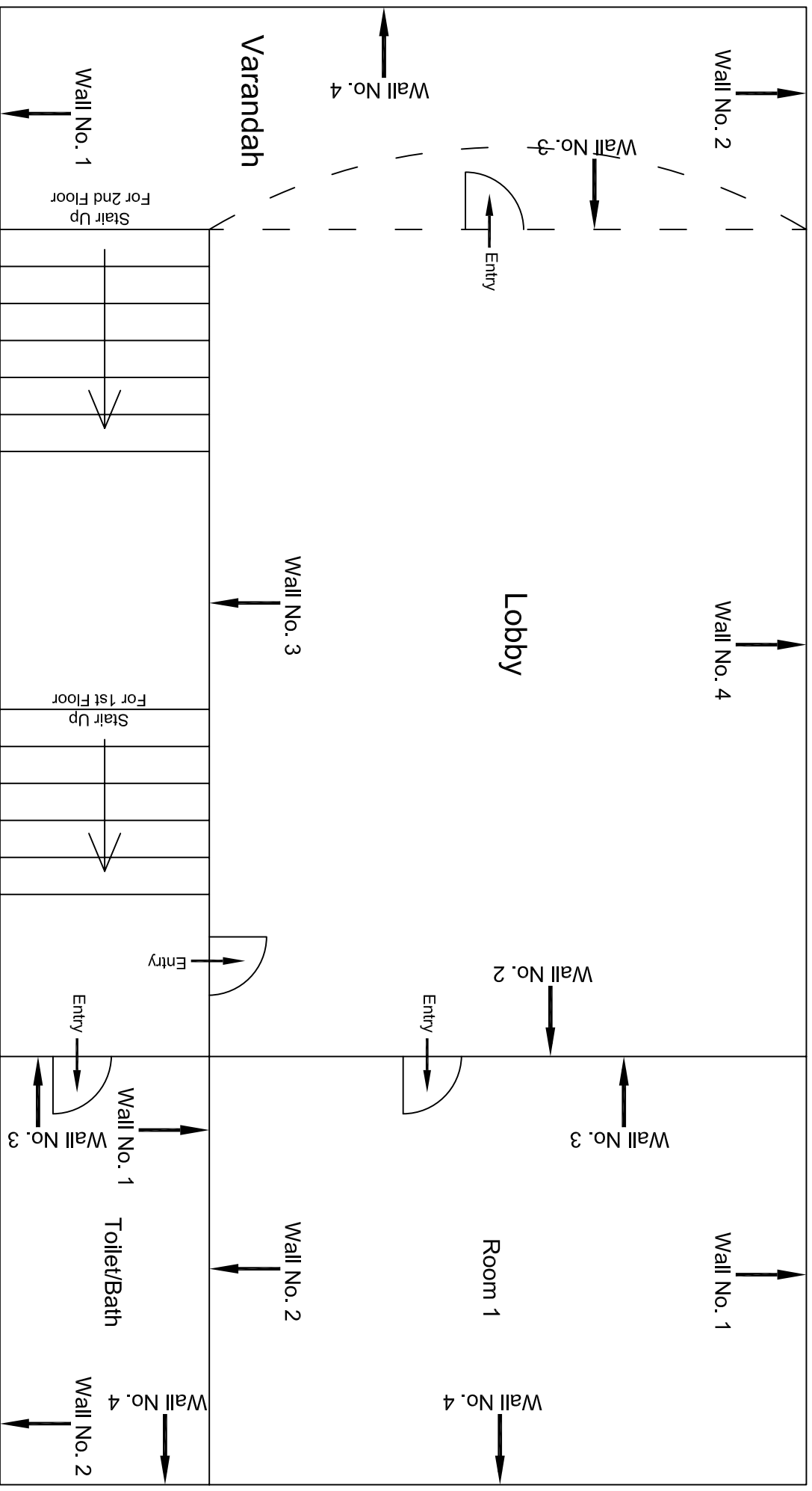
Terrace/Fifth Floor Plan

				CONSULTANT:	MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE:		
				OMIKRON KAPPA - INDUS	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badli Choupar and reversal line by Shield TBM, Underground Metro Stations at Choiti Choupar and Badli Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CONSULT TRANS JV					
				CLIENT:	CONTRACT:				
				DMRC/JMRC	Jaipur Metro Phase 1B		DRAWING TITLE:	DRAWING NO.:	REVISION:
00		NP	Dr. PRC	16.11.2013			Terrace/Fifth Floor Plan of House above shop No. 49	AIMIL/ESG/12315/BC-RA-DN-0041/FF-5TH /05	SCALE: Not to Scale
Revision	Description of Revision	Drawn By	Approved By	Date					



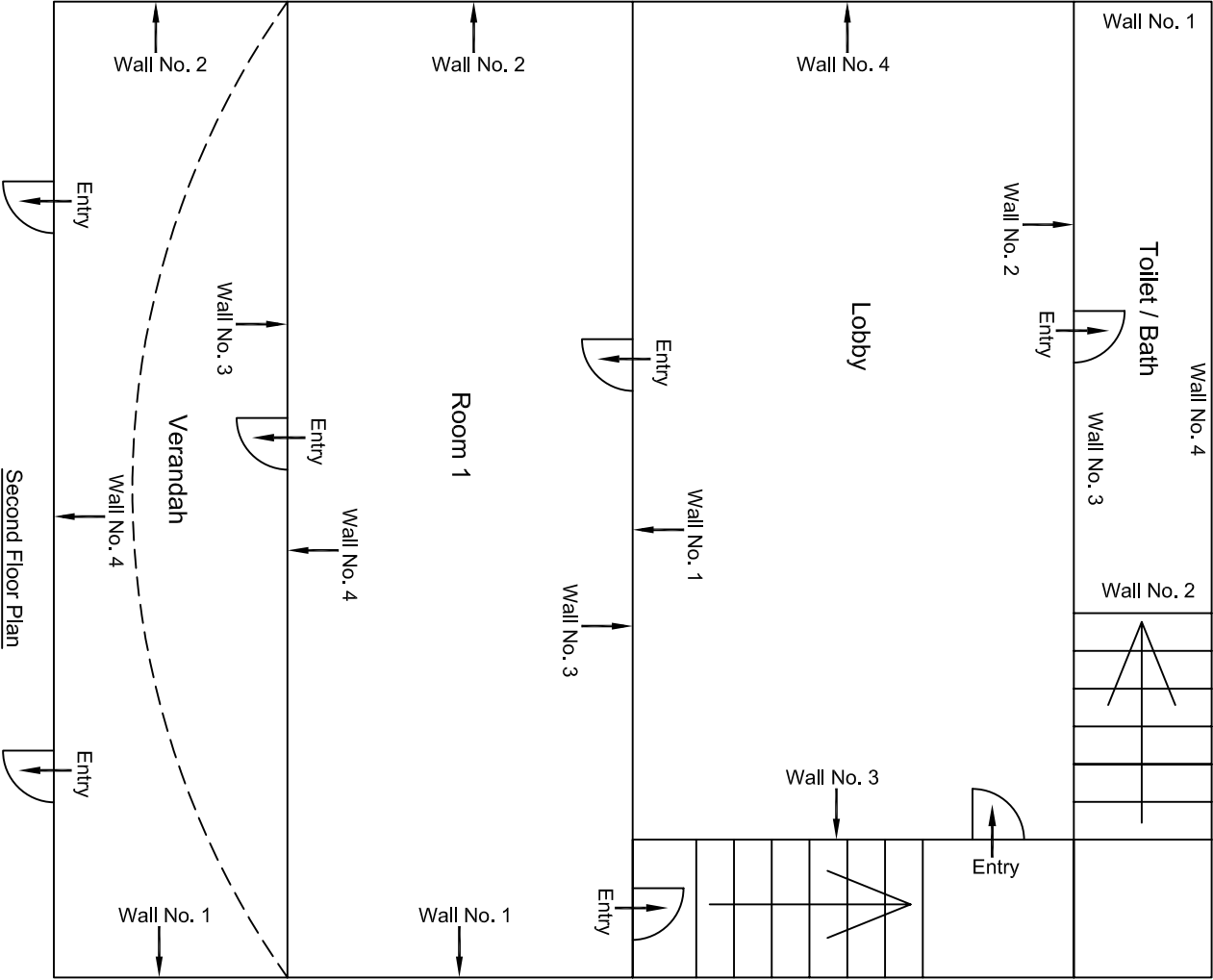
Ground Floor Plan

					CONSULTANT:	MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE:
					OMIKRON KAPPA - INDUS	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
					CONSULTRANS JV			
					CLIENT:	CONTRACT:		DRAWING TITLE:
					DMRC/JMRC	Jaipur Metro Phase 1B		Ground Floor Plan of Shop No. 52
00		NP	Dr. PRC	16.11.2013				DRAWING NO.:
Revision	Description of Revision	Drawn By	Approved By	Date				AIMIL/ESG/12315/ BC-RA-DN-0044/52 /01
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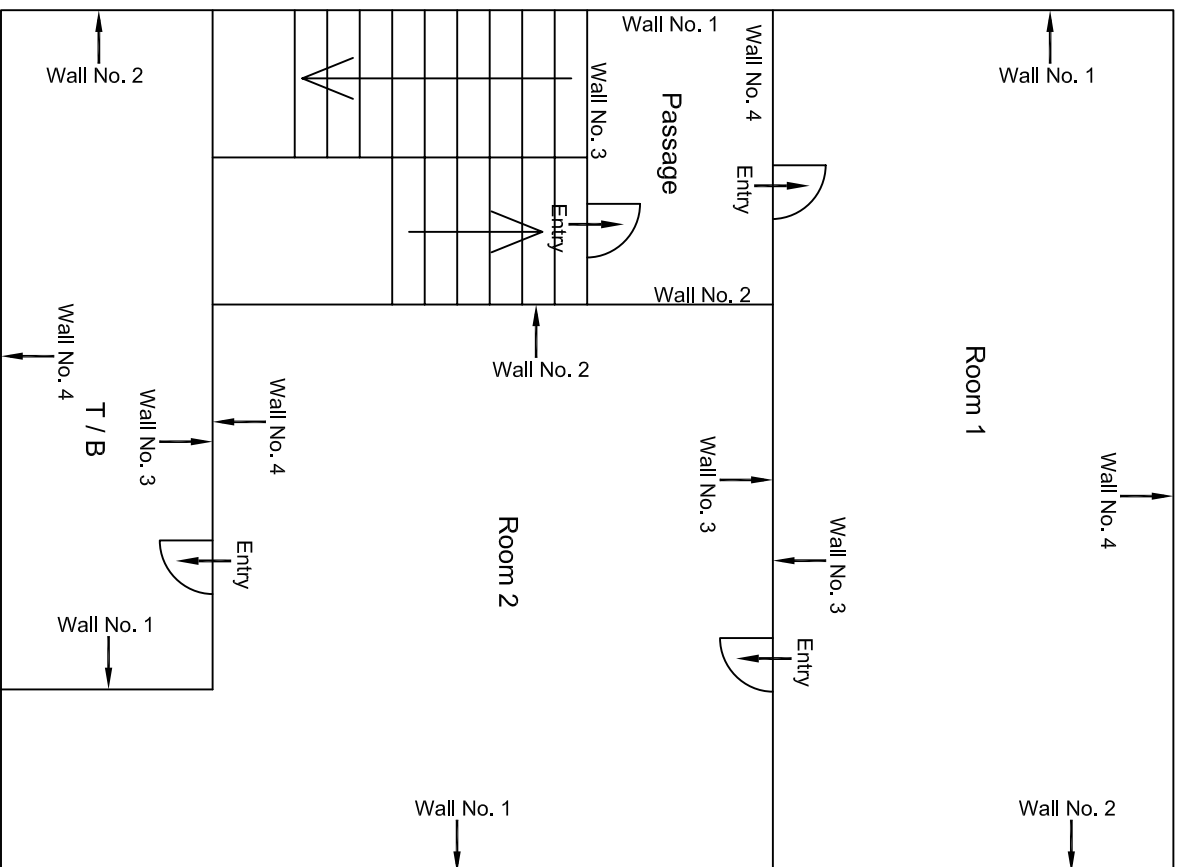


First Floor Plan

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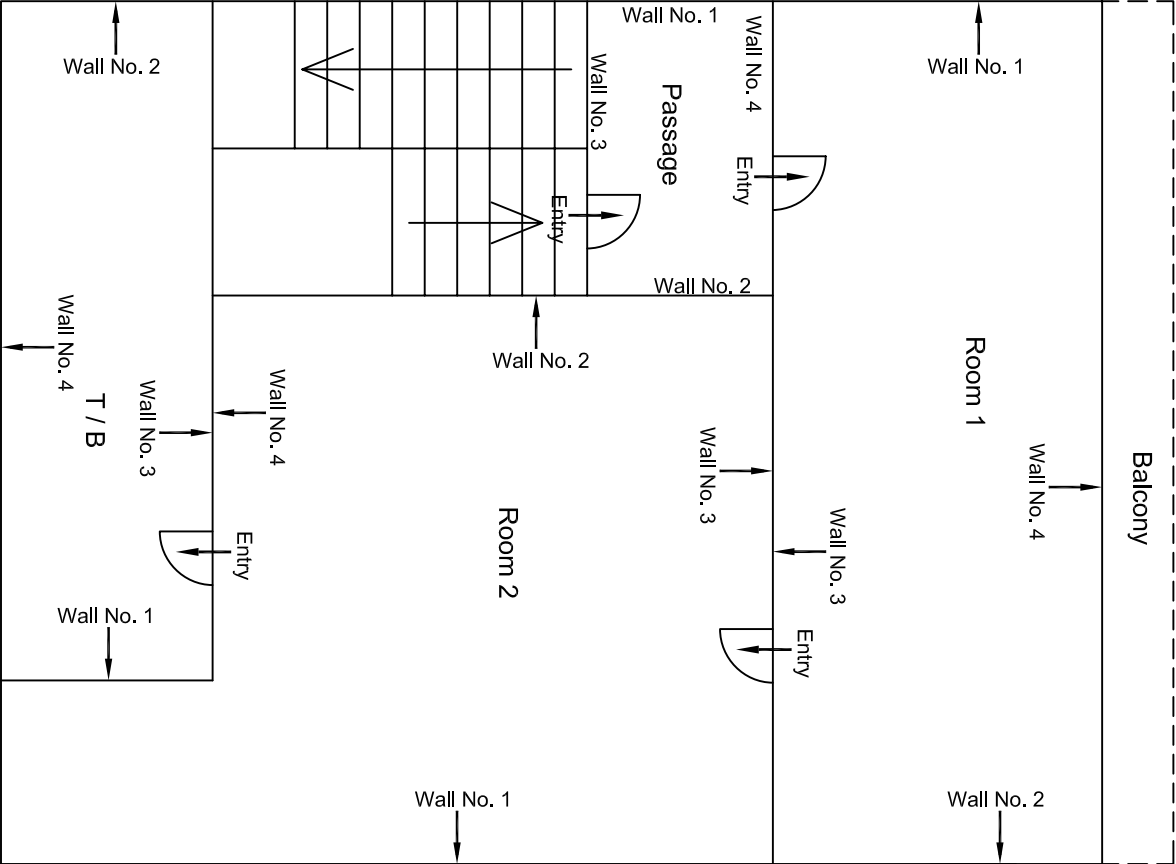


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Revision	Description of Revision	Drawn By	Approved By	Date					
00		NP	D. .PRC	16.11.2013					



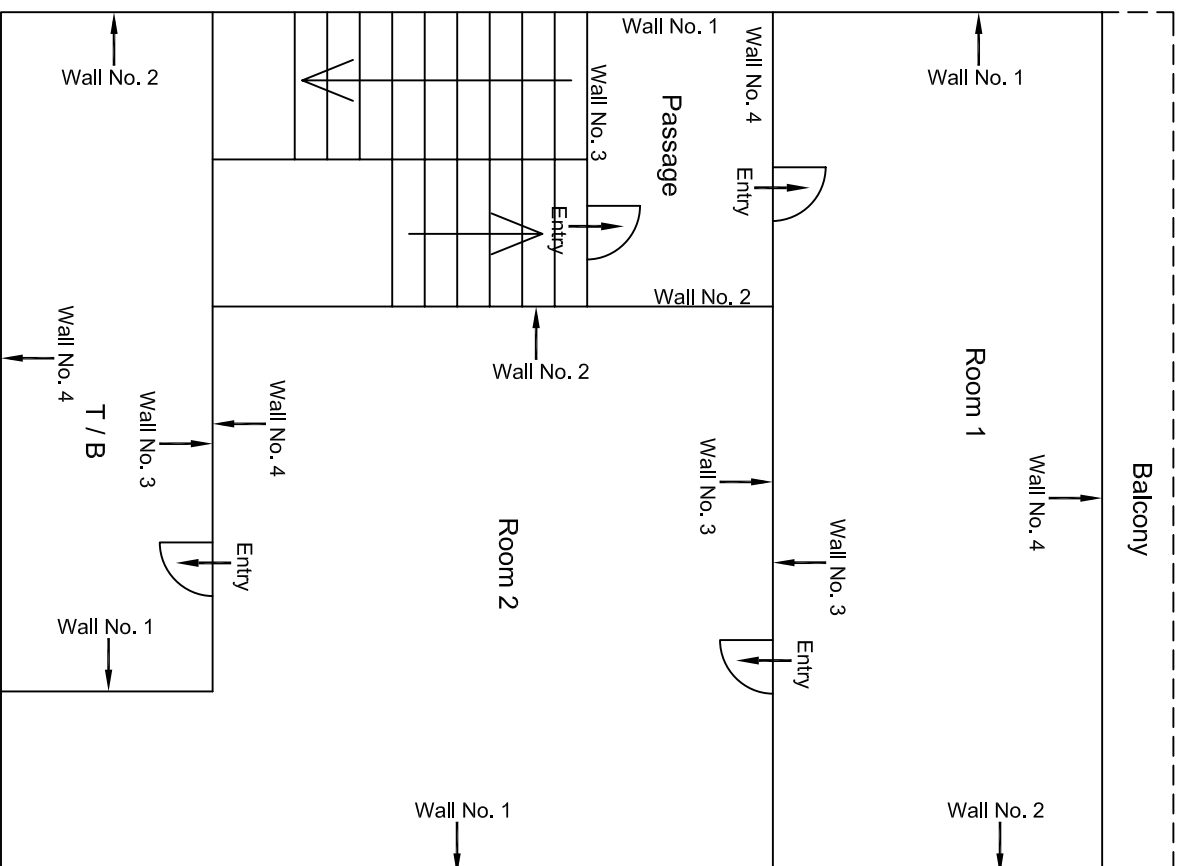
First Floor Plan

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					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of House NO. 466 Above Shop No 56 Ramganj Bazar	
								DRAWING NO.: AIML/ESG/12315/ BC-RA-DL-0048 /FF / 01	
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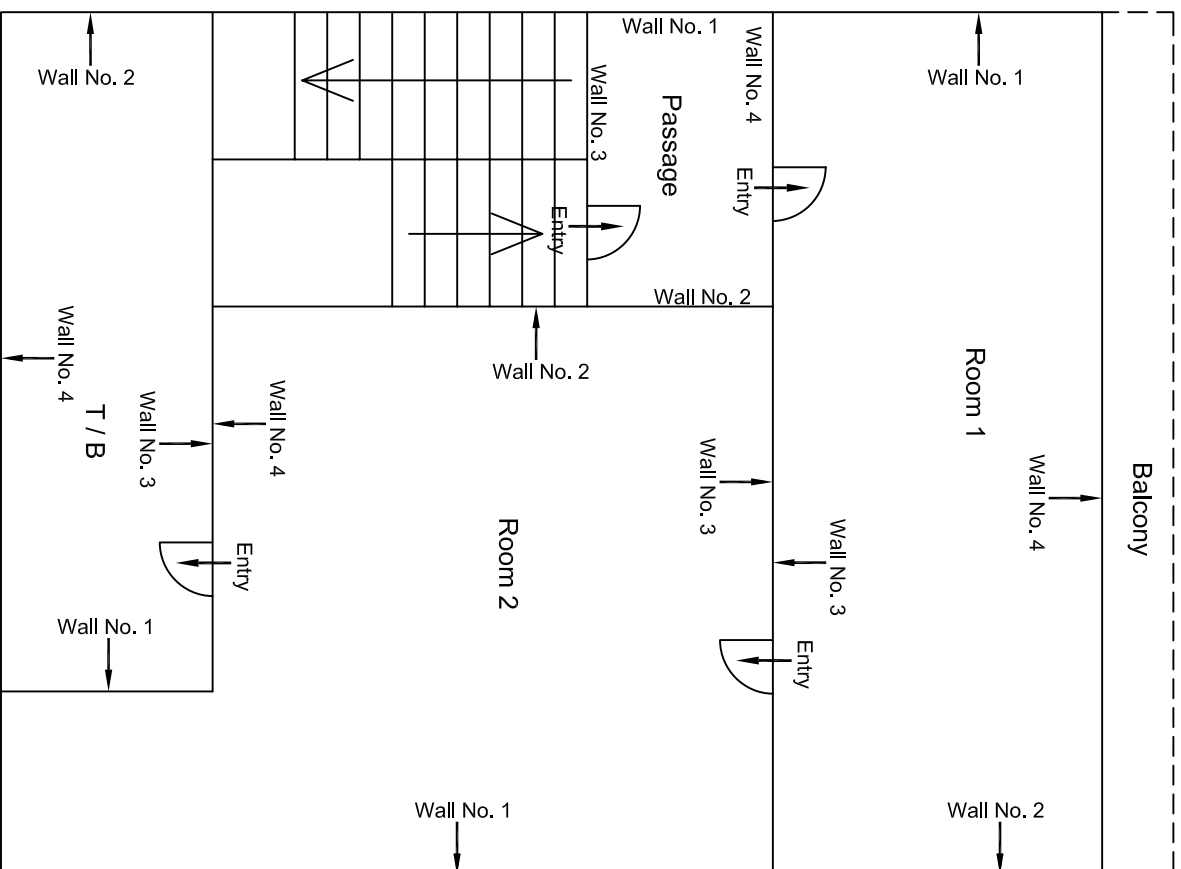
Second Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Second Floor Plan of House NO. 468 Above Shop No 56 Ramganj Bazar		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DL-0048 /SF / 02					
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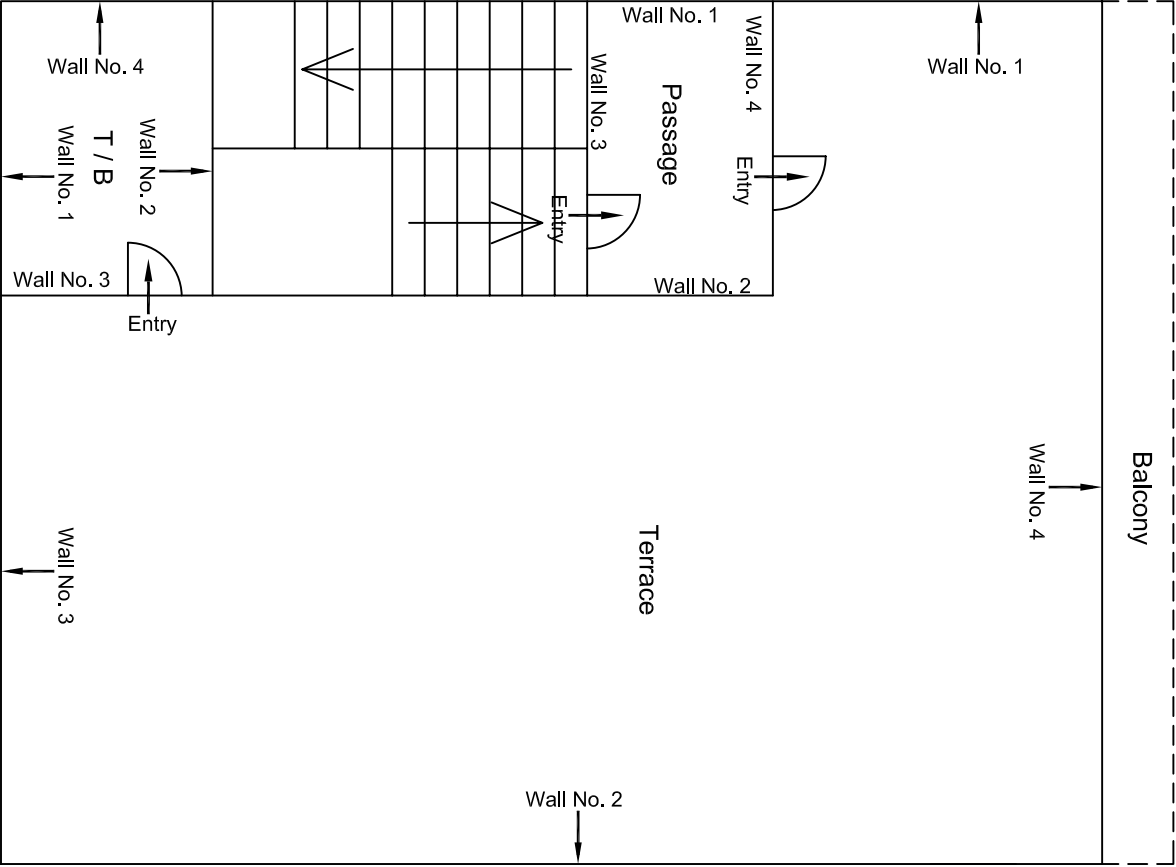
Third Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSUL TRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badli Chouper and reversal line by Shield TBM, Underground Metro Stations at Choi Choupar and Badli Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	DRAWING NO.: AIML/ESG/12315/ BC-RA-DL-0048 /TF / 03	
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Third Floor Plan of House NO. 466 Above Shop No 56 Ramganj Bazar	SCALE: Not to Scale	REVISION: R0
00		NP	Dr. PRC	16.11.2013						
Revision	Description of Revision	Drawn By	Approved By	Date						



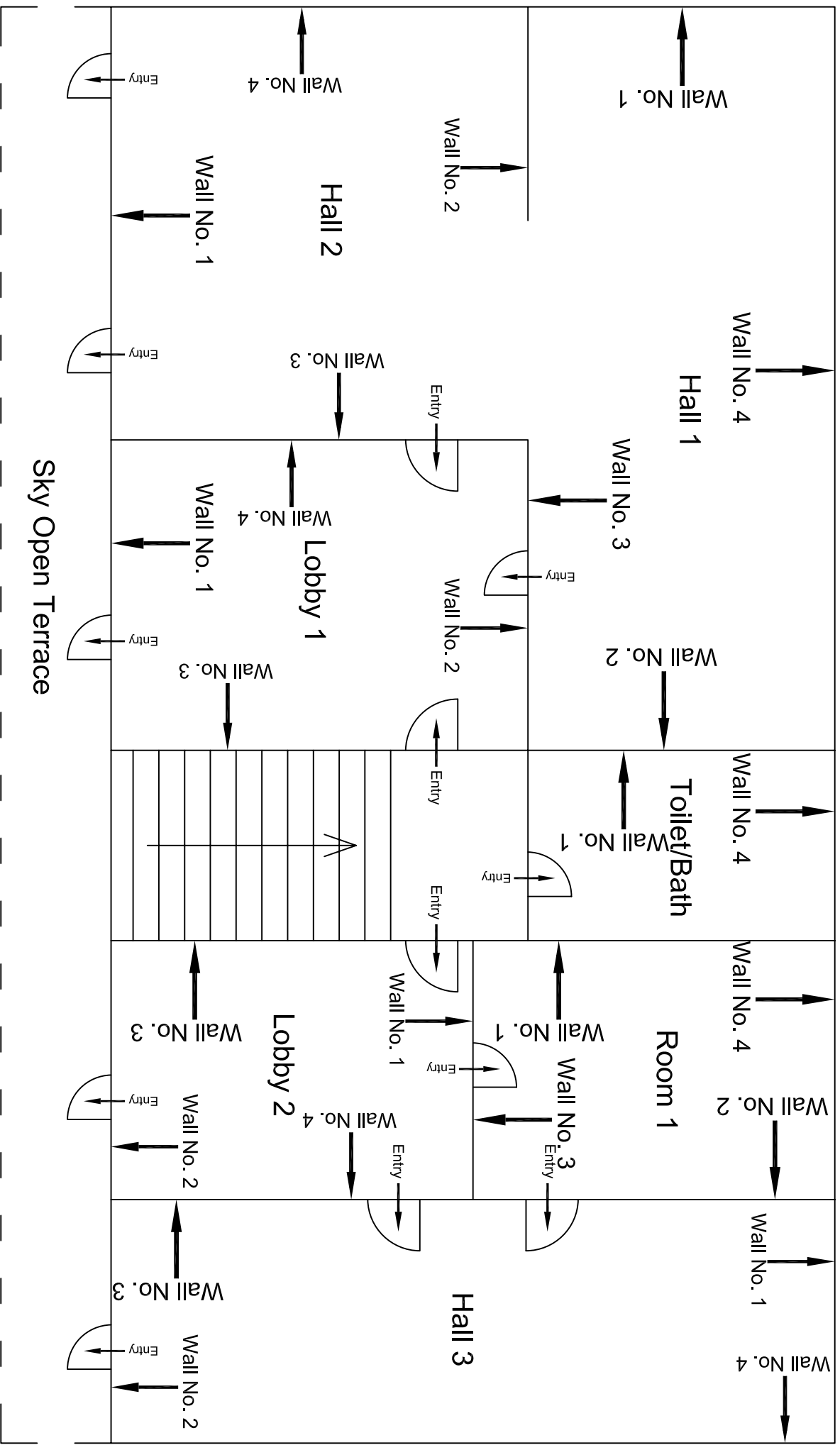
Forth Floor Plan

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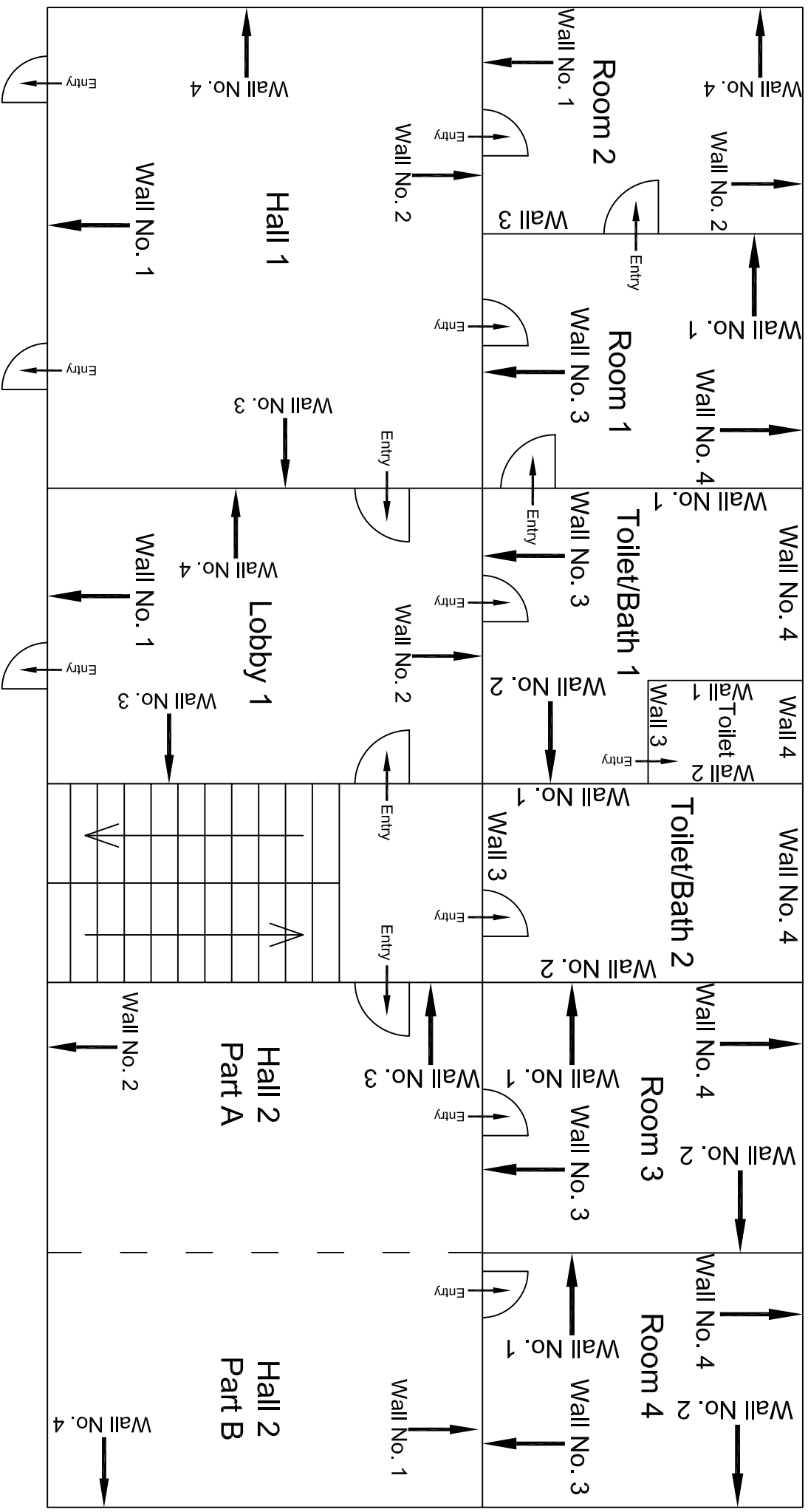
Terrace Floor Plan

				CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B				
00		NP	D: ,PRC	16.11.2013					
Revision	Description of Revision	Drawn By	Approved By	Date					
							DRAWING TITLE: Terrace Floor Plan of House NO.1 468 Above Shop No 56 Ranganji Bazar	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DL-0048 /FF / 05	REVISION: R0
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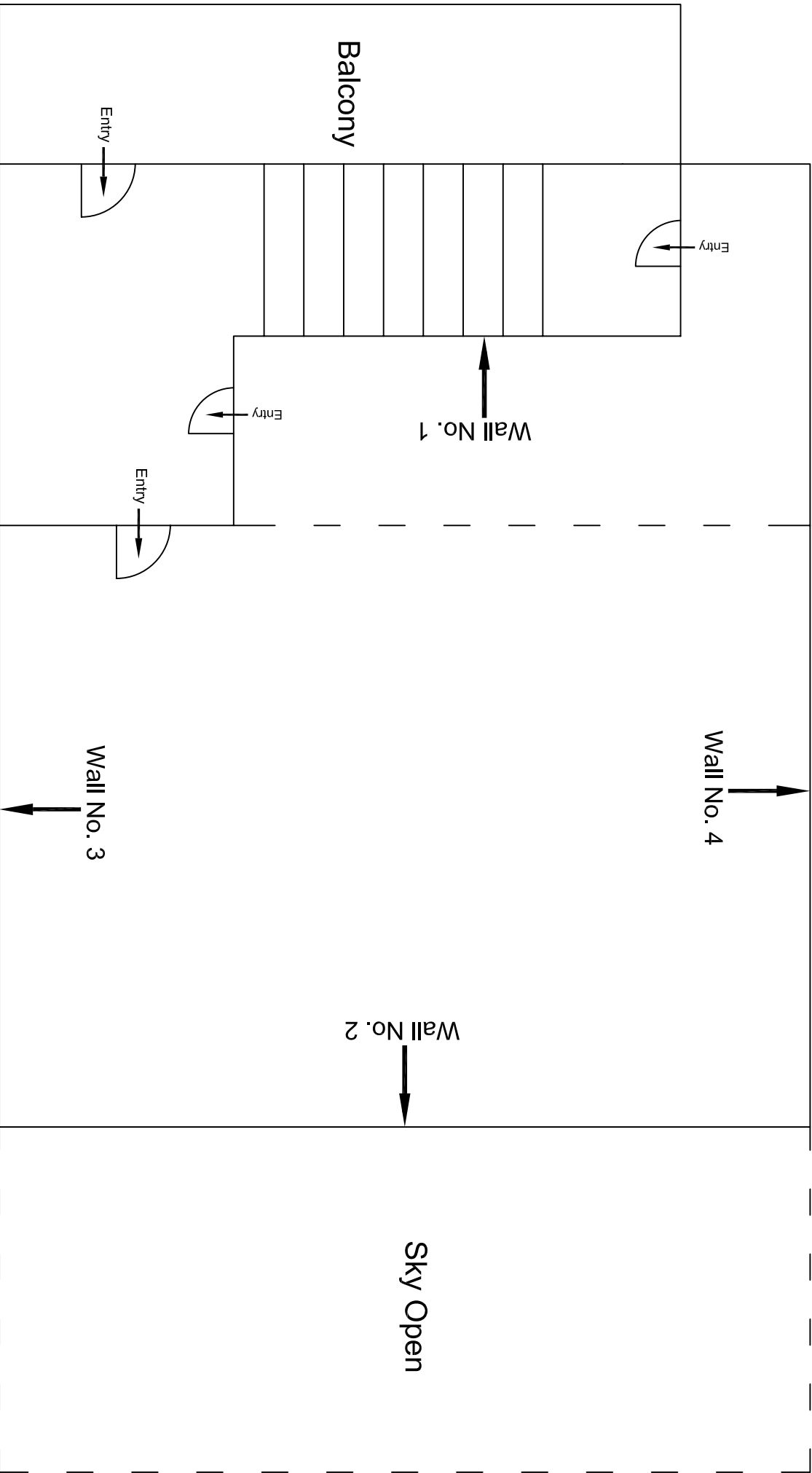
First Floor Plan

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Second Floor Plan

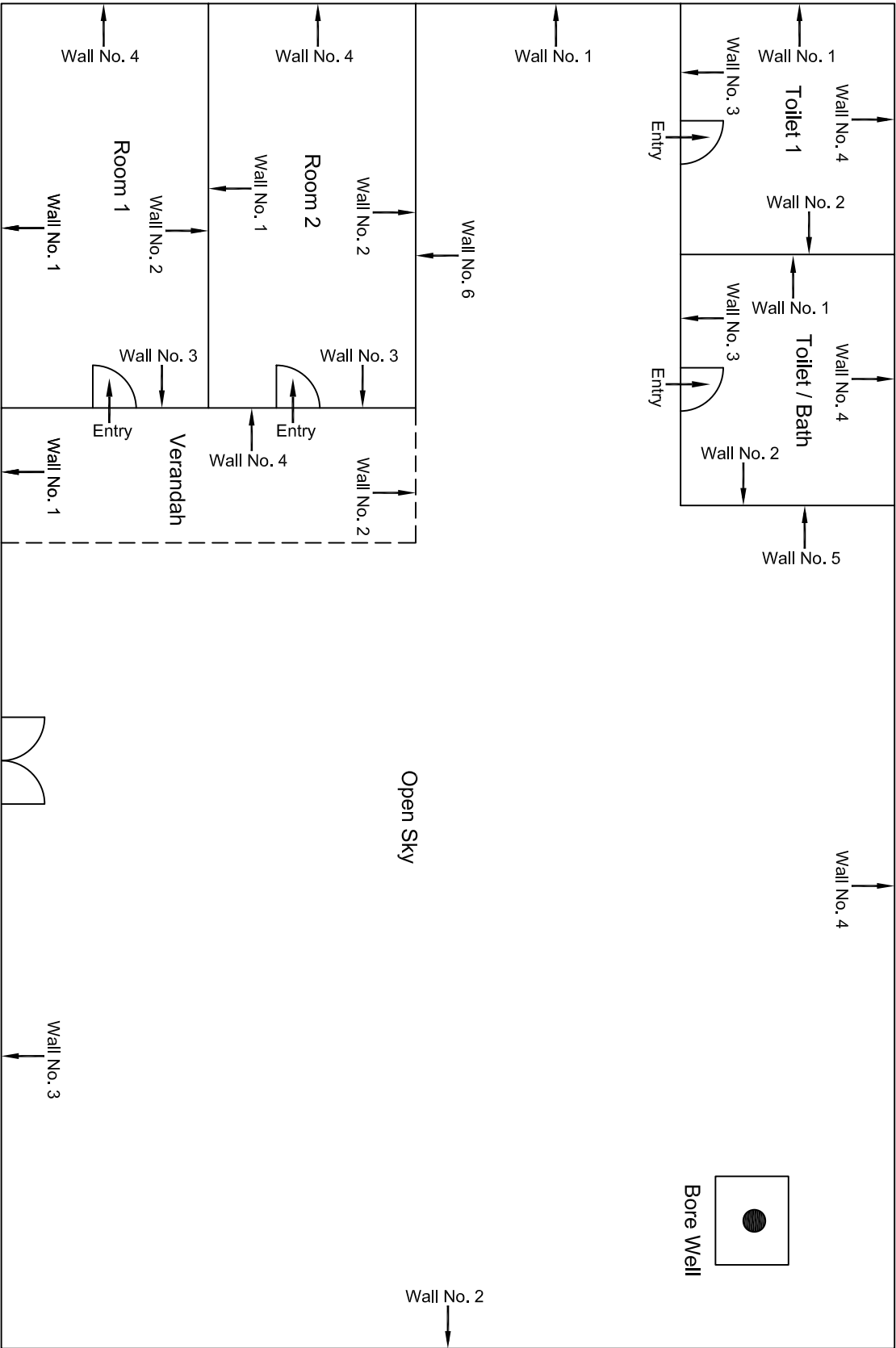
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Third Floor Plan

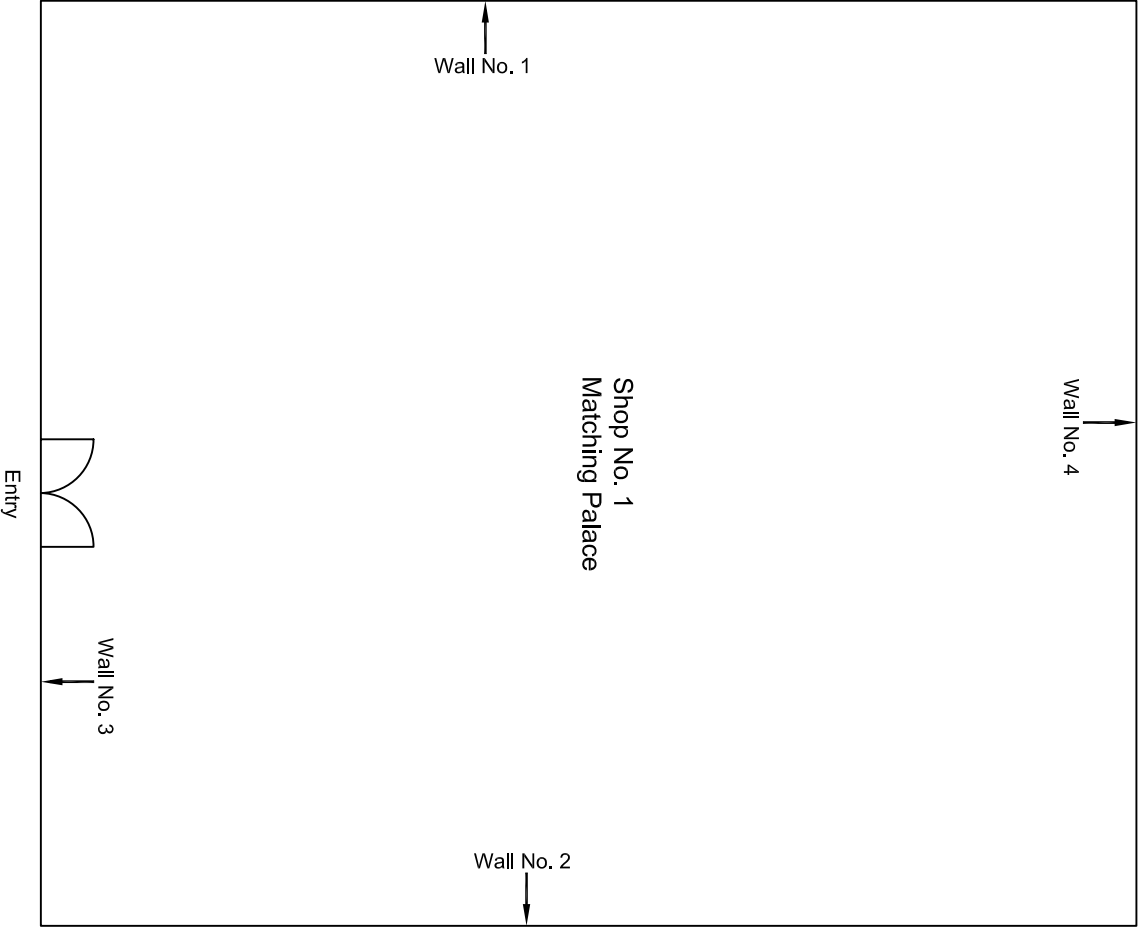
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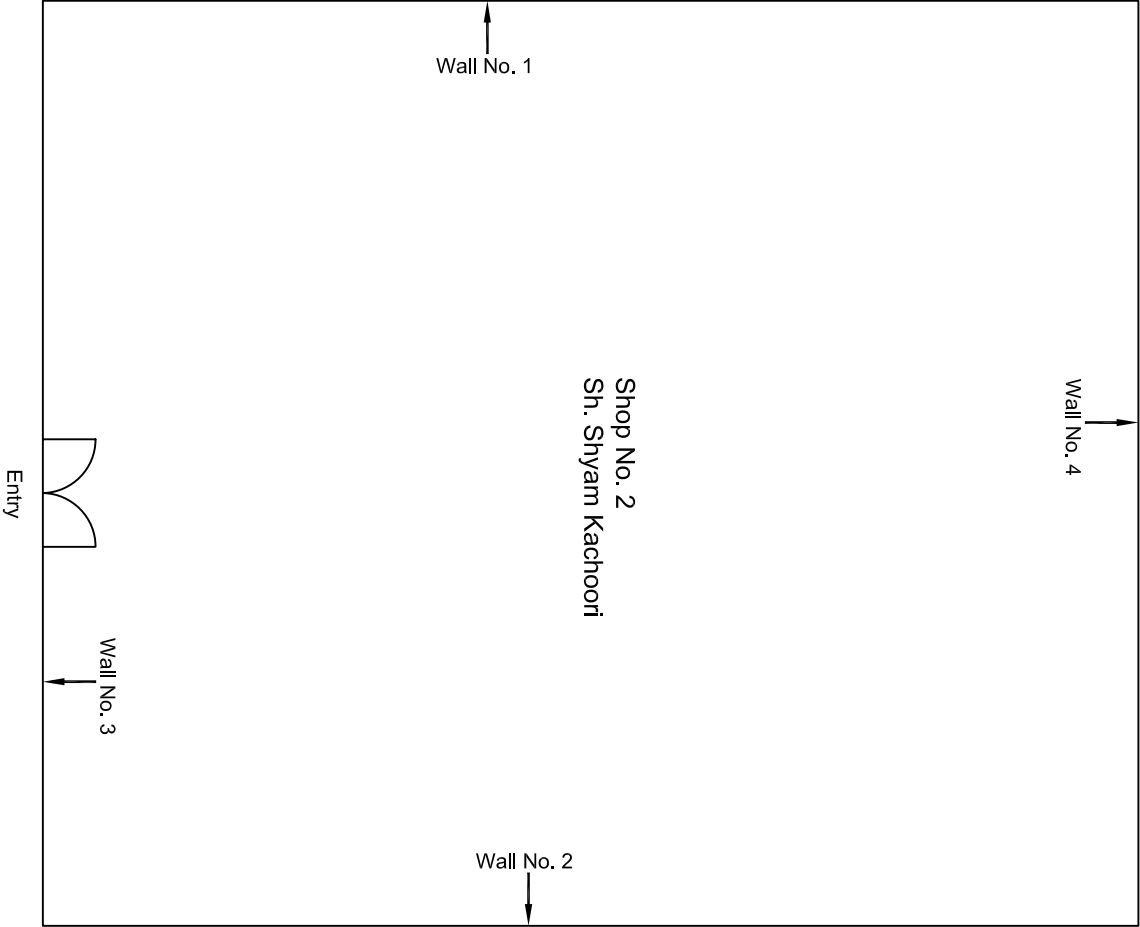
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of House NO. 61, Ramganj Bazar	DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0054/GF/ 01	REVISION: R0
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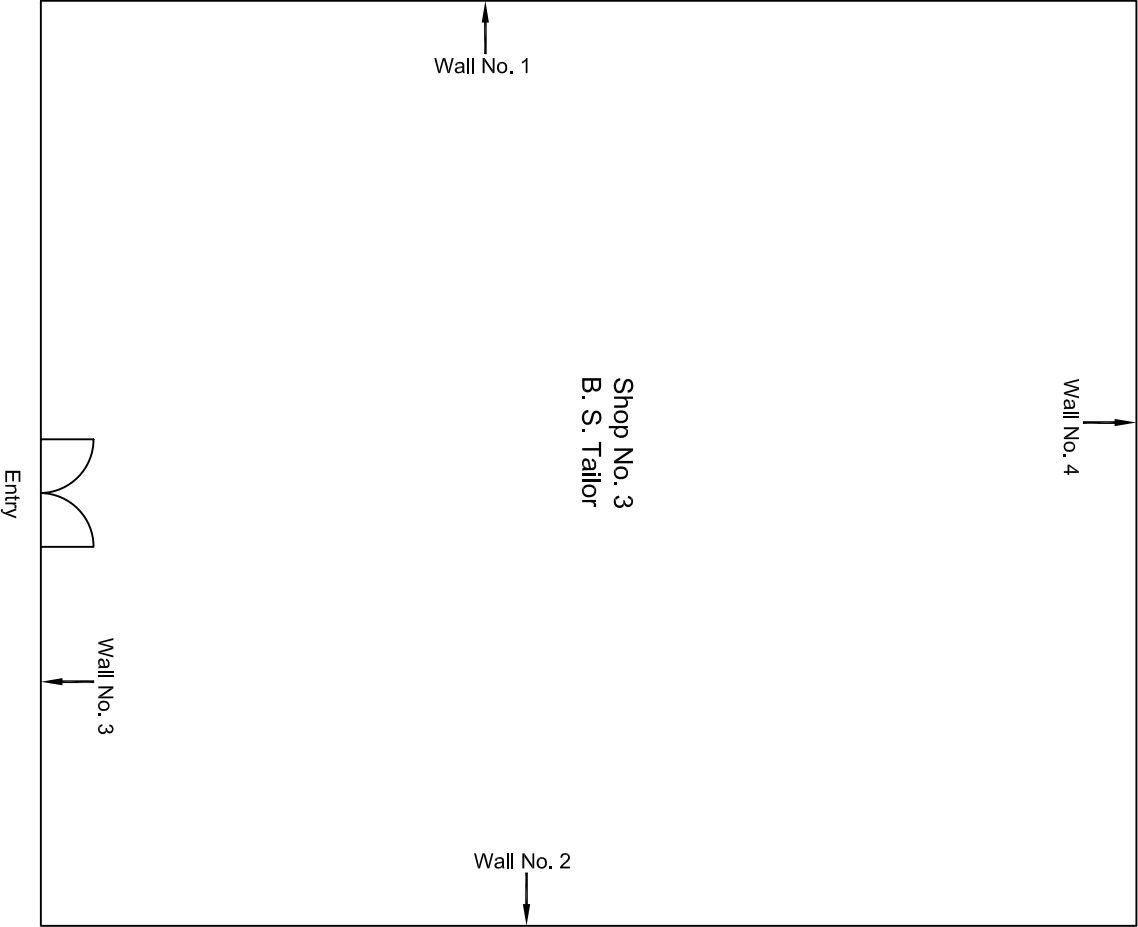
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop NO. 1 Matching Palace Ramgani Market		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0056/ 01		
00		NP	Dr. PRC	16.11.2013				SCALE: Not to Scale		REVISION: R0		
Revision	Description of Revision	Drawn By	Approved By	Date								



Ground Floor Plan

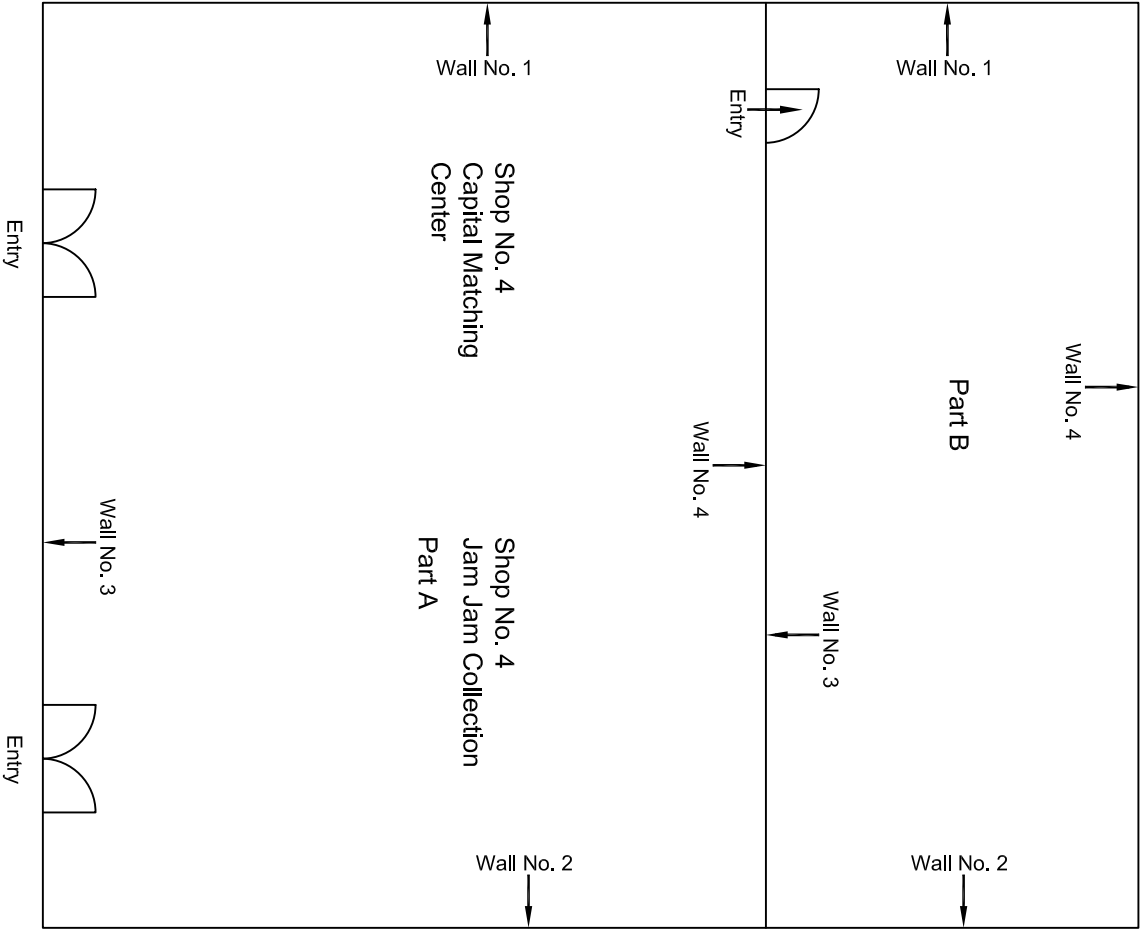
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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop NO. 2 Sh. Shyam Kachoori Ramgani Market		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0056/ 02		
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Ground Floor Plan

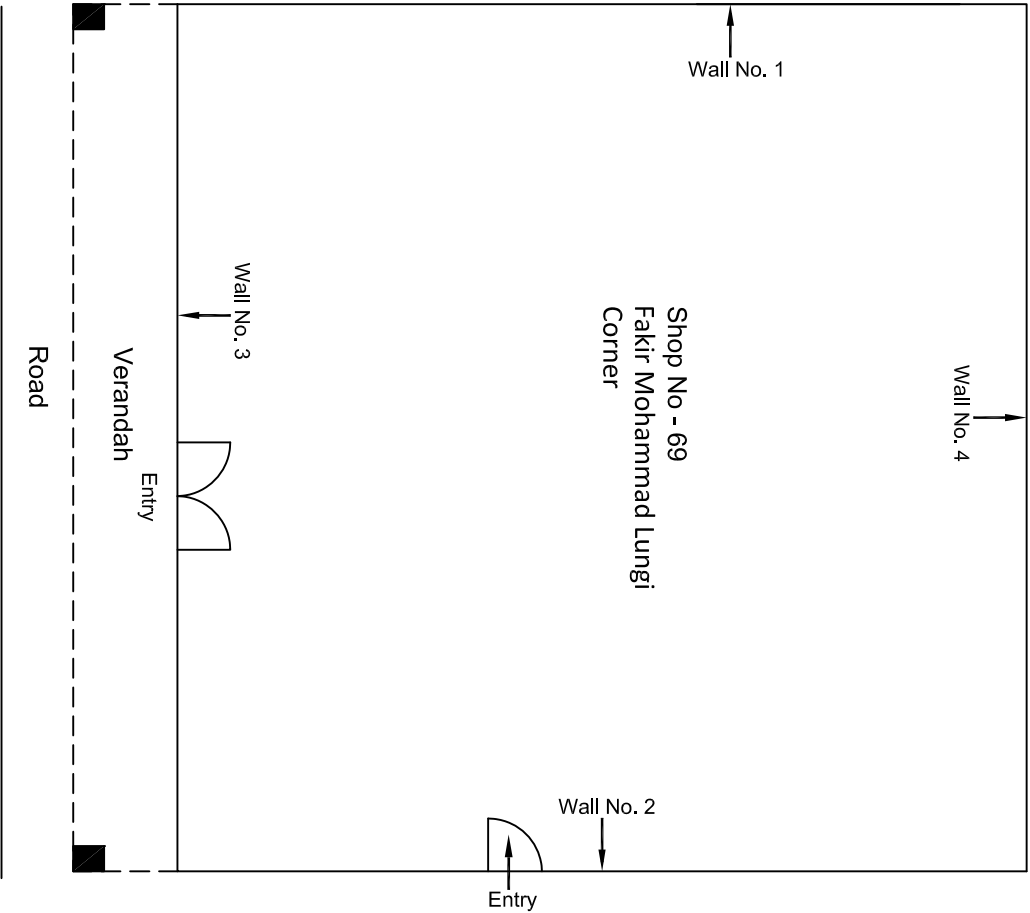
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					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop NO. 3 Sh. B. S. Tailor Ramganj Market			
00		NP	Dr. PRC	16.11.2013								
Revision	Description of Revision	Drawn By	Approved By	Date								

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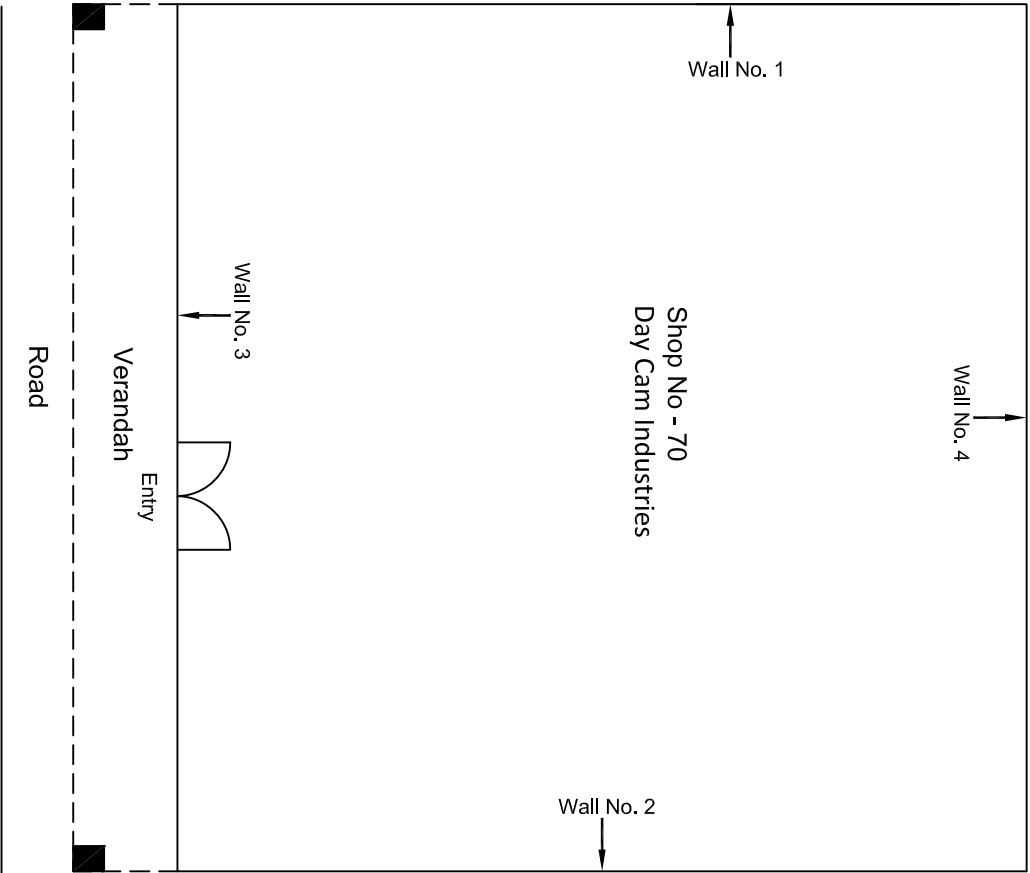
Ground Floor Plan

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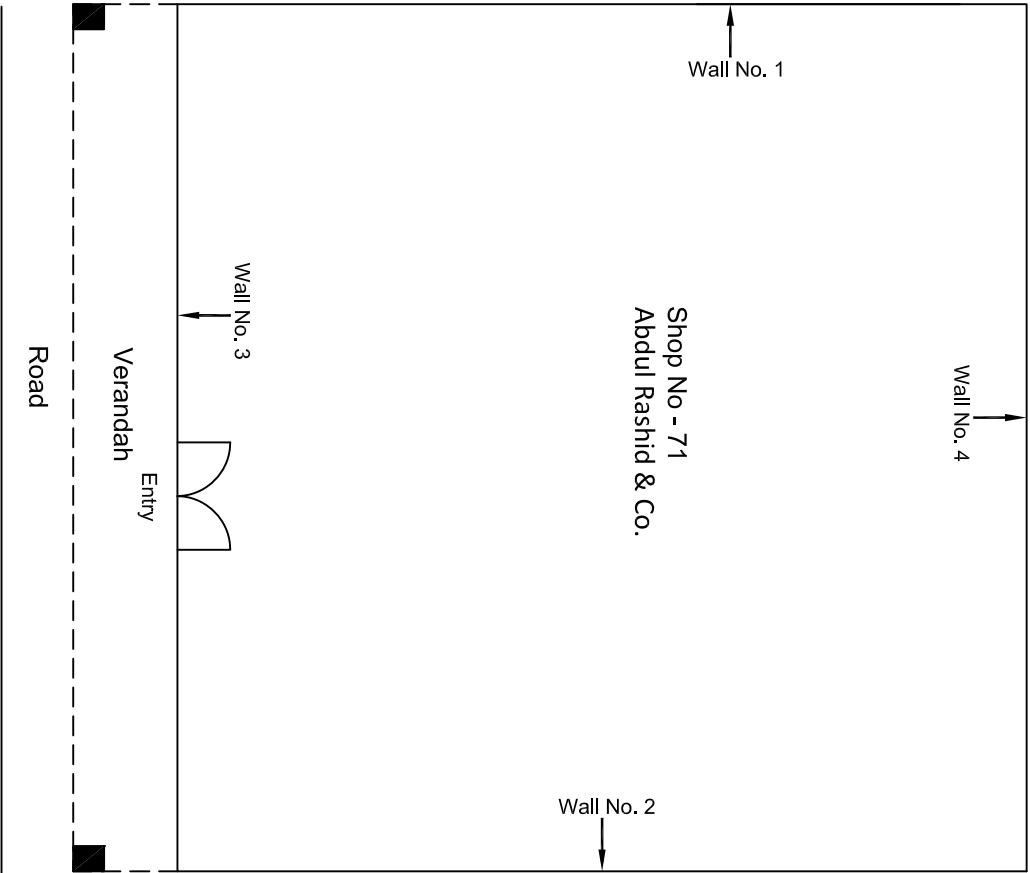
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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 69 Fakir Mohammad Lungi Corner Ramganj Bazar Badi Chopped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0059/69 / 01		
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Ground Floor Plan



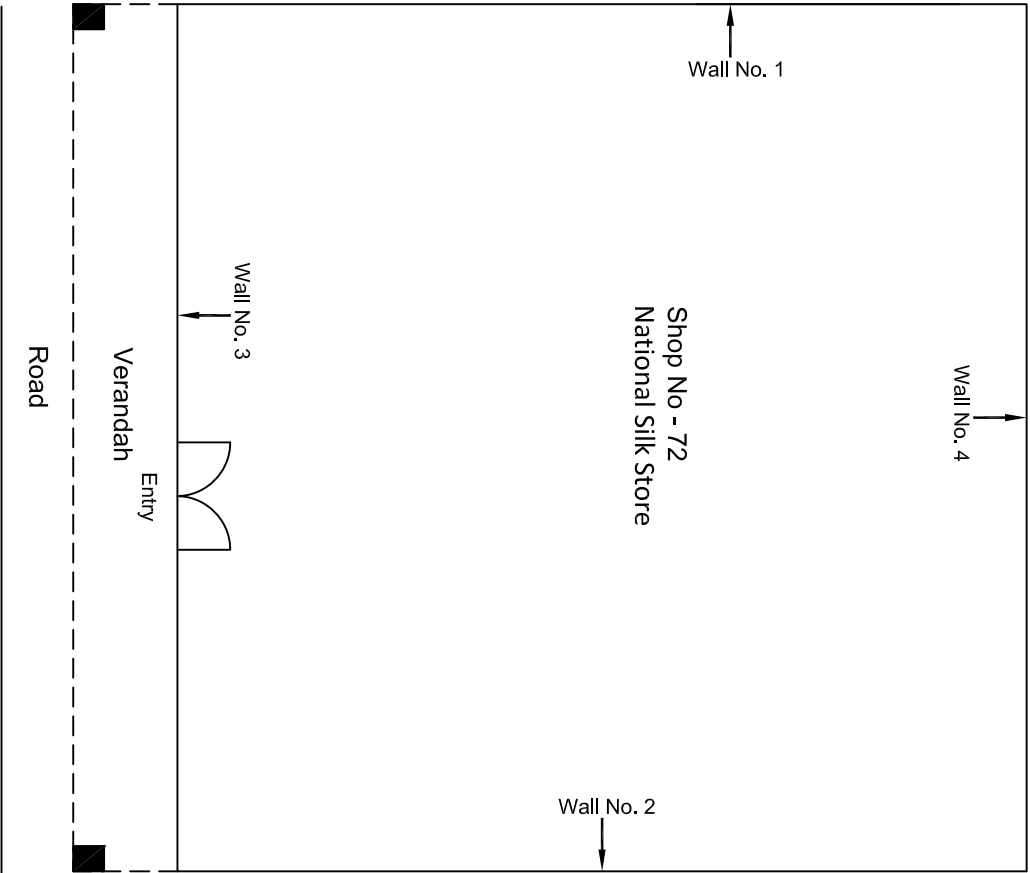
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 70 Day Cam Industries Ramgarh Bazar Badi Chopad		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0059/70 / 01		
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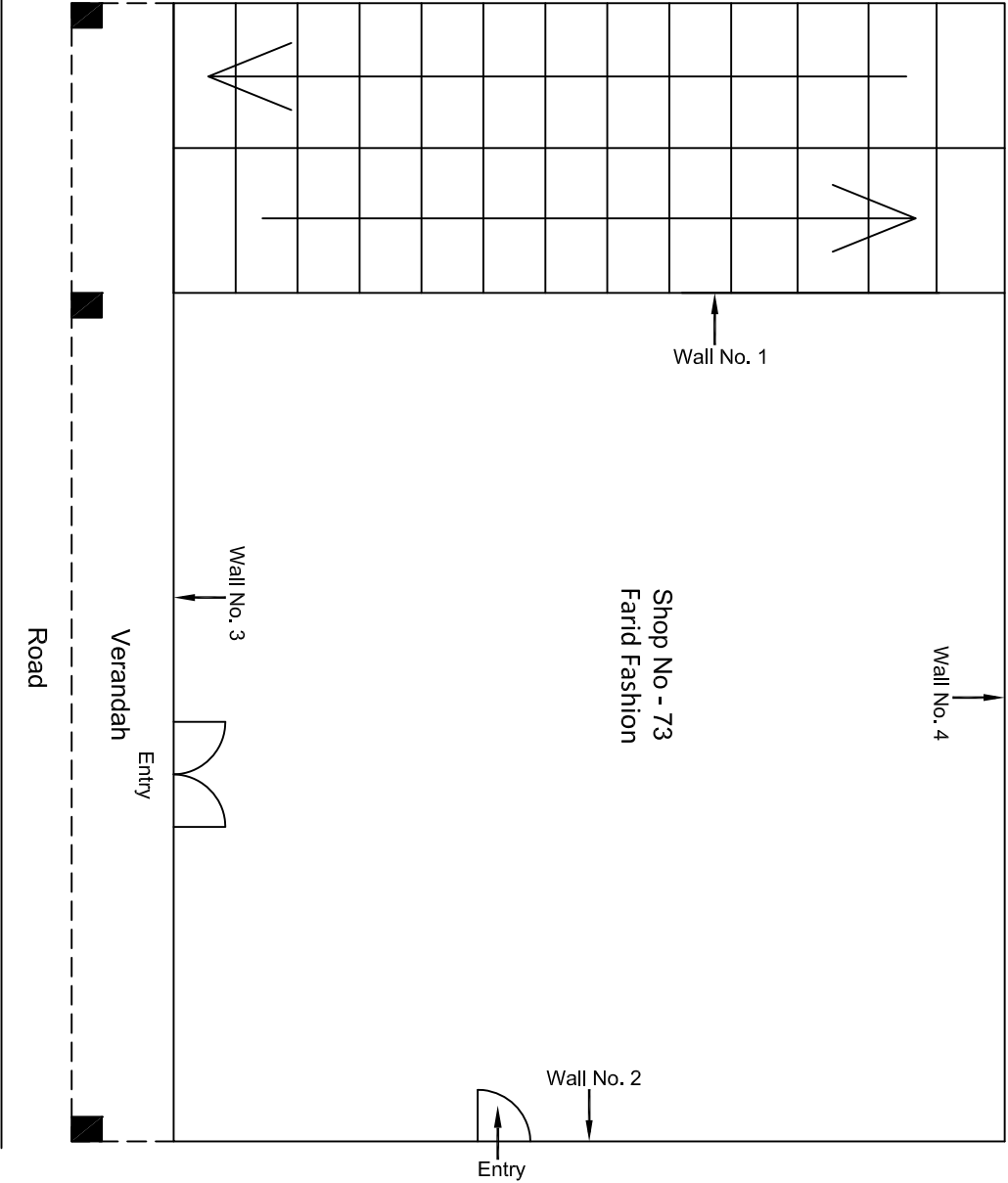
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 71 Abdul Rashid & Co. Ramganj Bazar Badi Choped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-006071 / 01		
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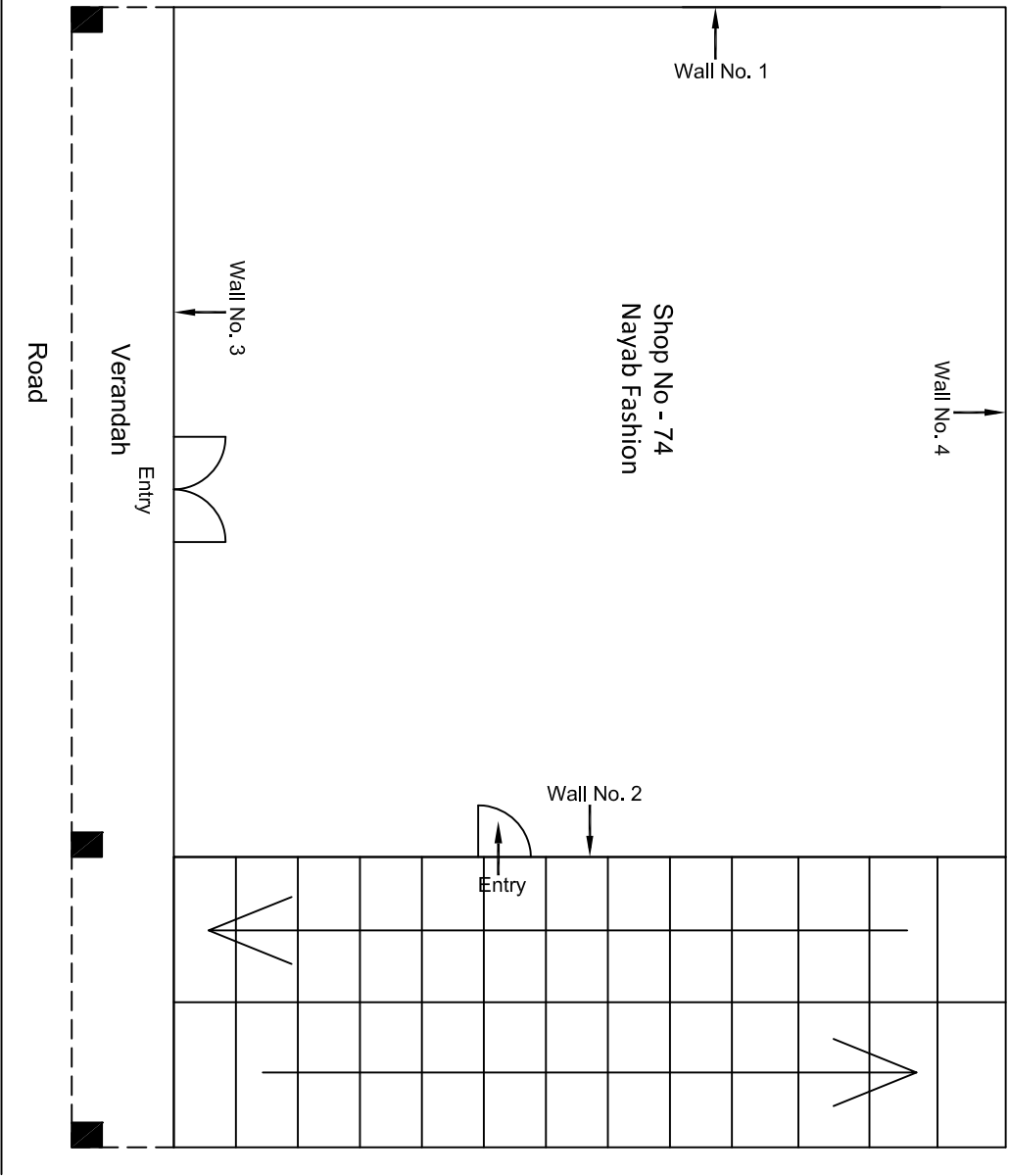
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 72 National Silk Store Ramganj Bazar Badi Choped		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-006172/ 01		
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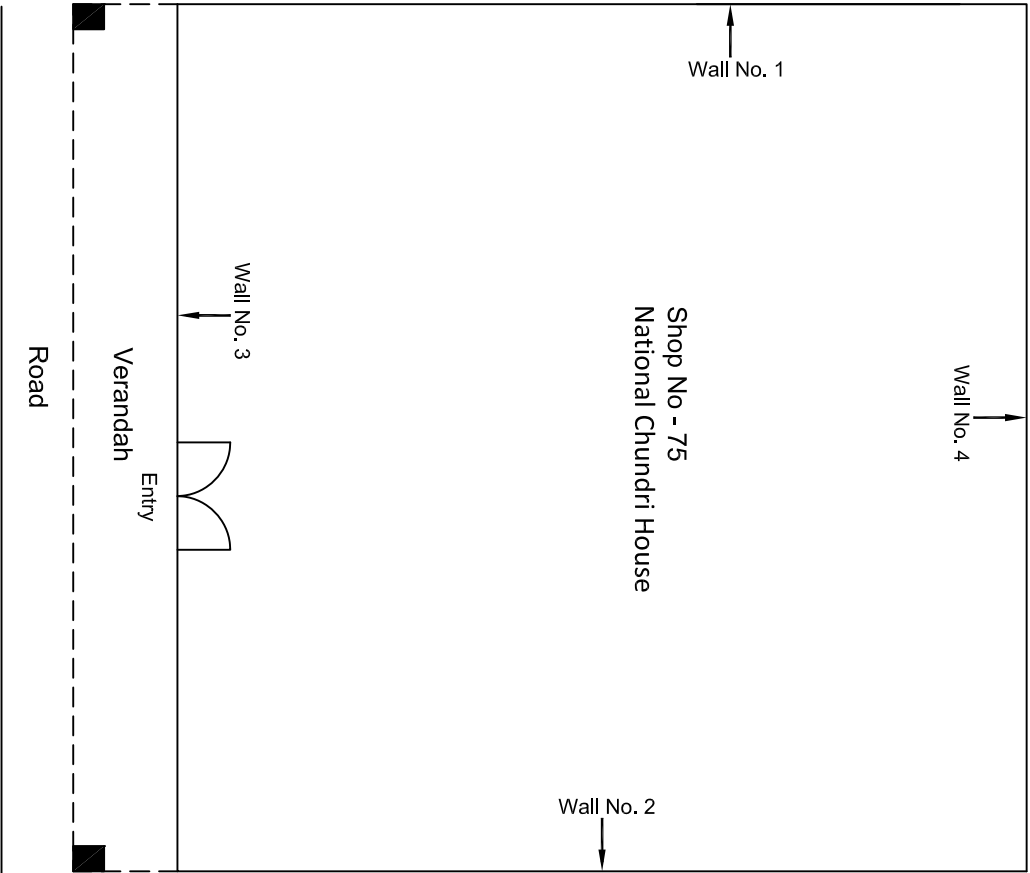
Ground Floor Plan

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				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 73 Farid Fashion Ramganj Bazar Badi Choped	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-006273/ 01	REVISION: R0
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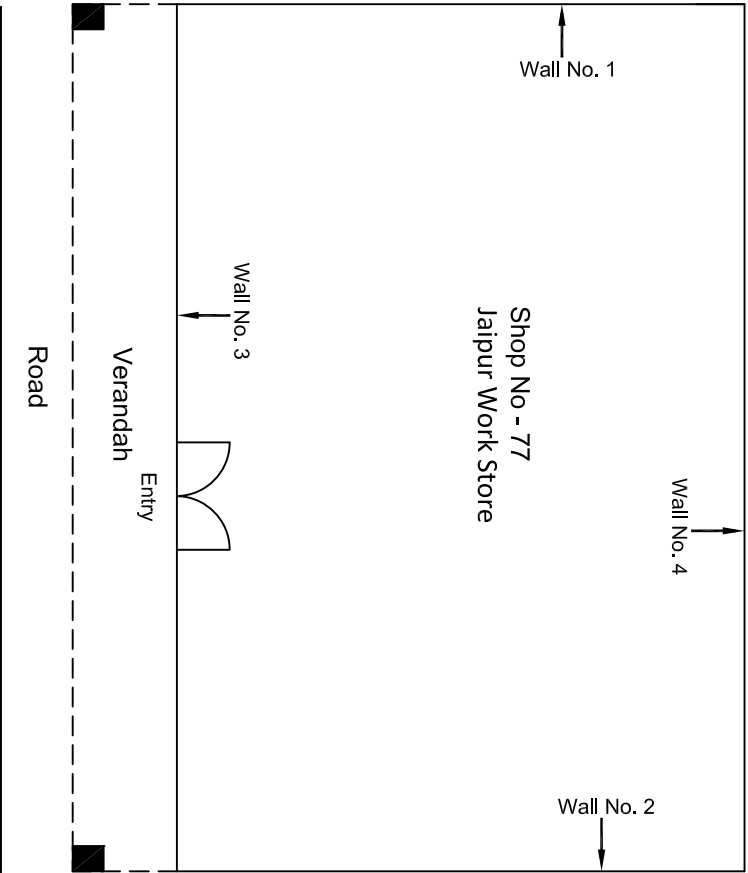
Ground Floor Plan

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					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B	DRAWING TITLE: Ground Floor Plan of Shop No 74 Nayab Fashion Ramganj Bazar Badi Choped	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0063/74/ 01
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Revision	Description of Revision	Drawn By	Approved By	Date				



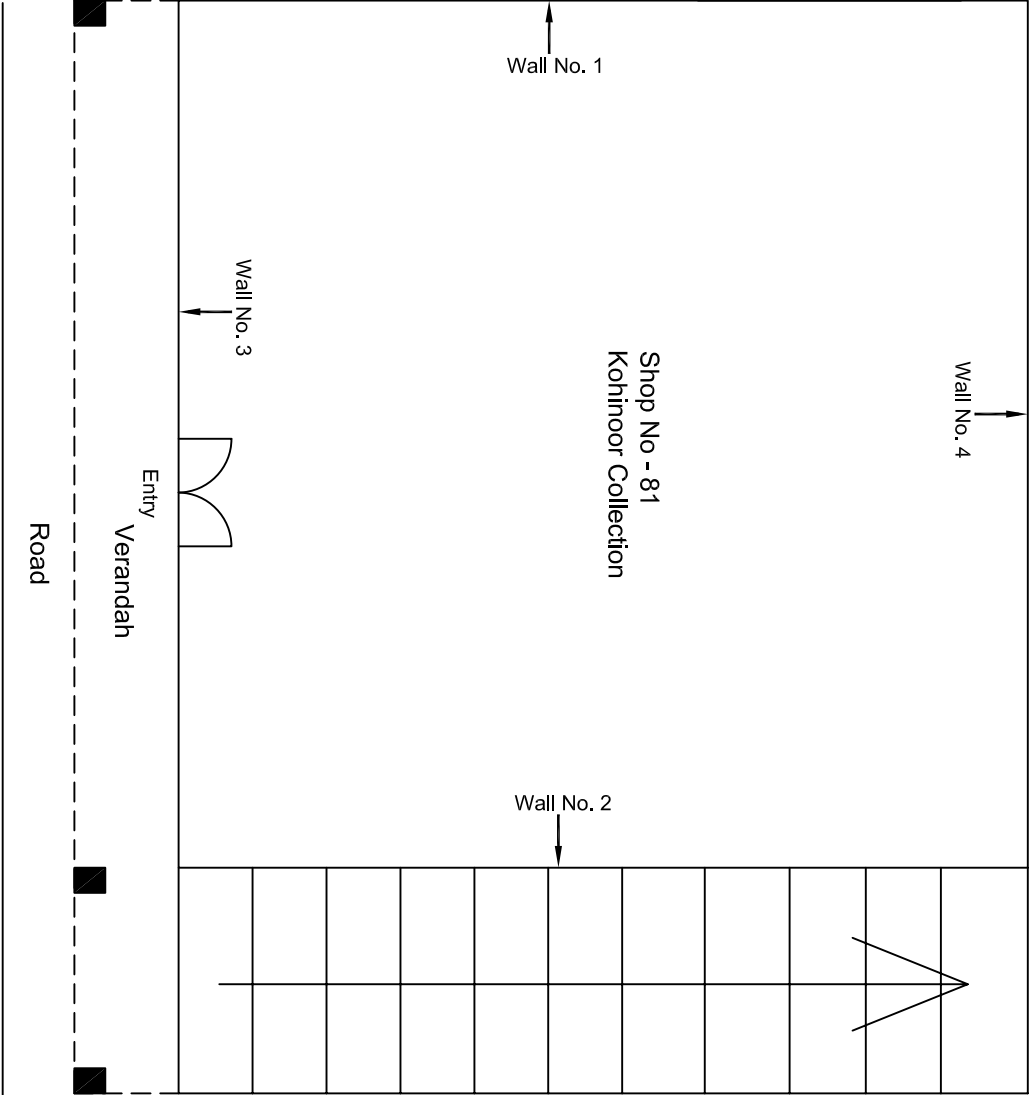
Ground Floor Plan

				CONSULTANT: OMIKRON KAPPAPANDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 75 National Chundri House Ramganj Bazar Badi Chopad		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0064/5 / 01		
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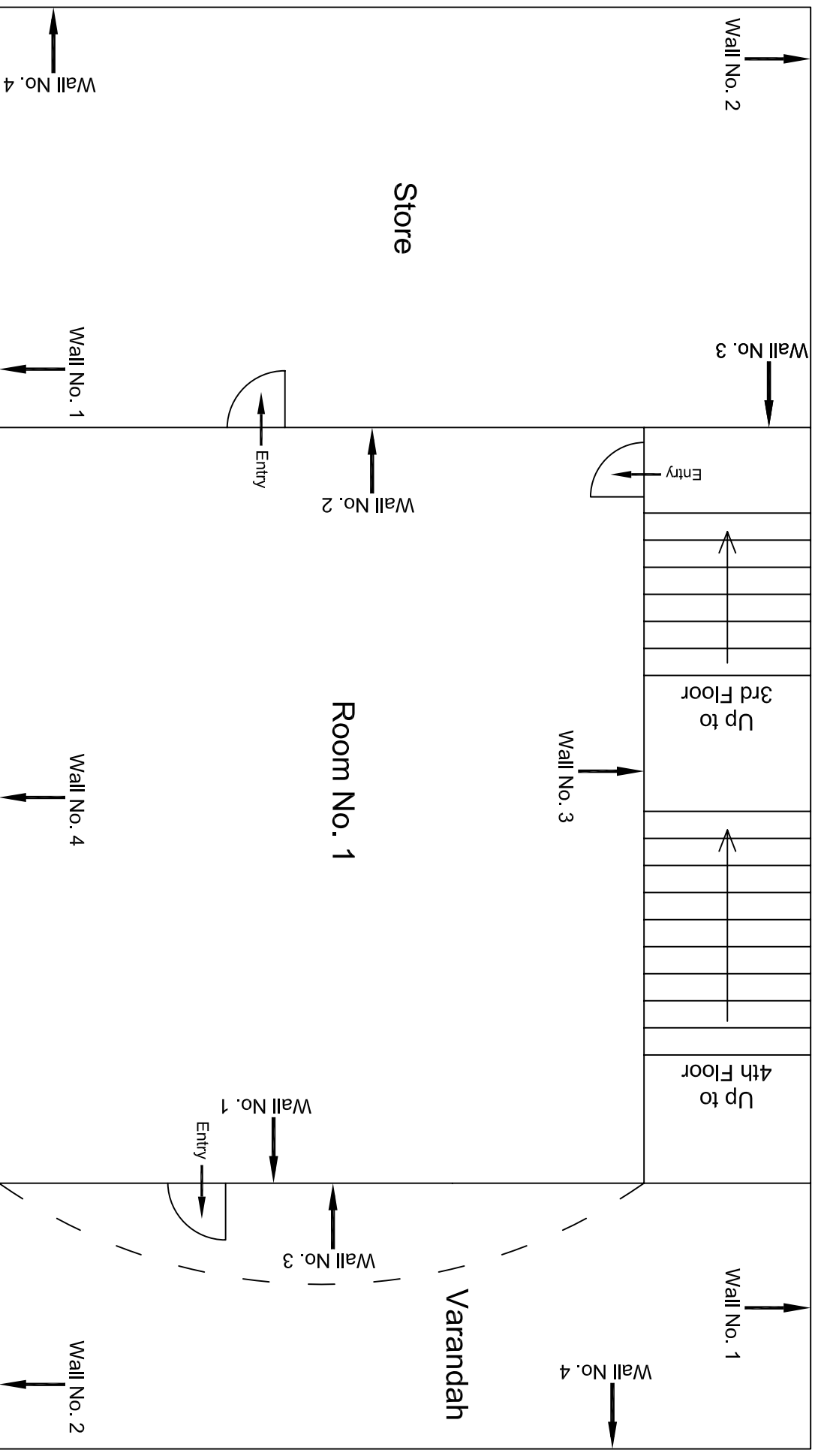
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					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B				DRAWING TITLE: Ground Floor Plan of Shop No 77 Jaipur Work Store Ramananj Bazar Badi Choped					
00		NP	Dr. PRC	16.11.2013							DRAWING NO.: AIMIL/ESG/12315/-BC-RA-DN-0065/77 / 01		SCALE: Not to Scale		REVISION: R0	
Revision	Description of Revision	Drawn By	Approved By	Date												

Ground Floor Plan



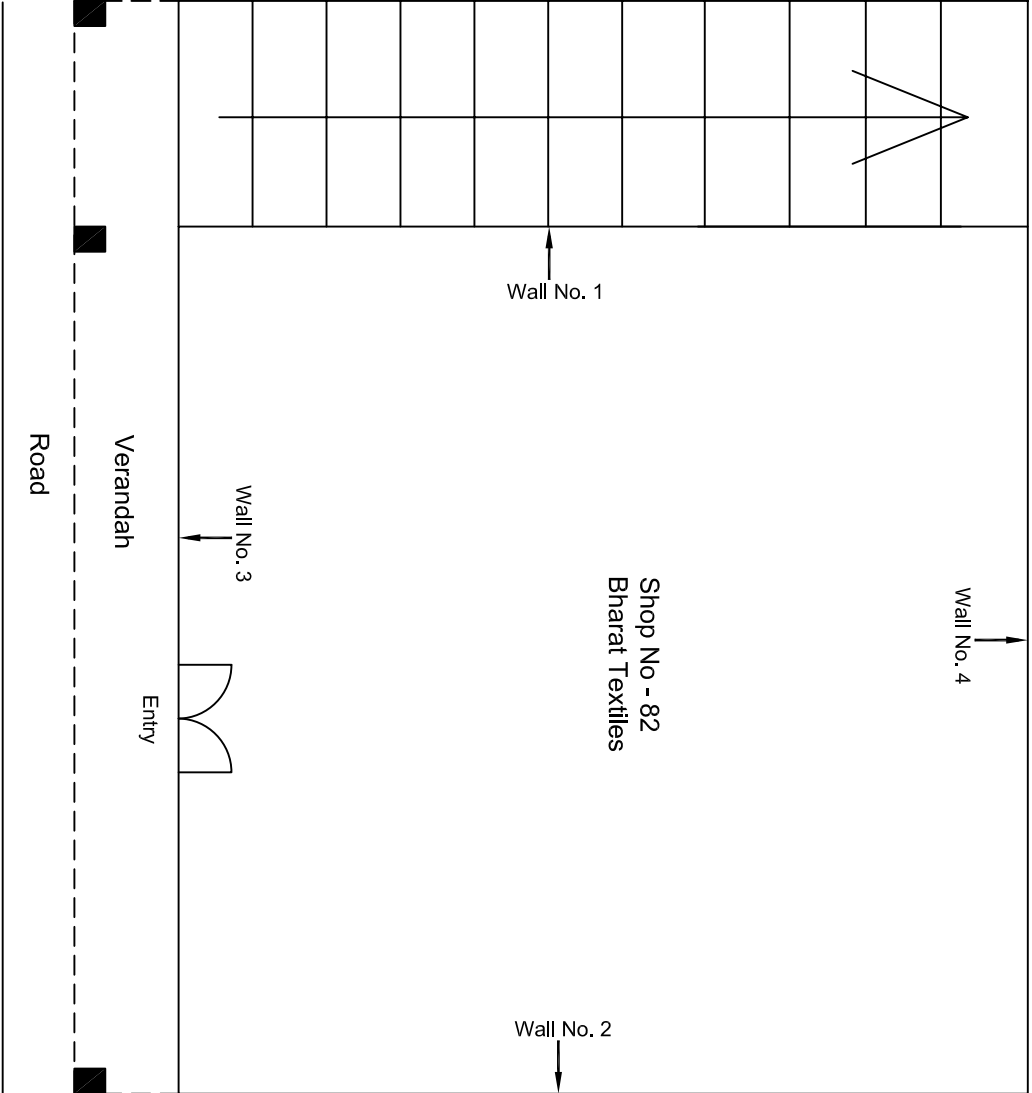
Ground Floor Plan

				CONSULTANT: OMIKRON KAPPANUNDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop NO. 81, Ramganj Market	DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0067/81/ 01	REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date					
00		NP	D. PRC	16.11.2013					



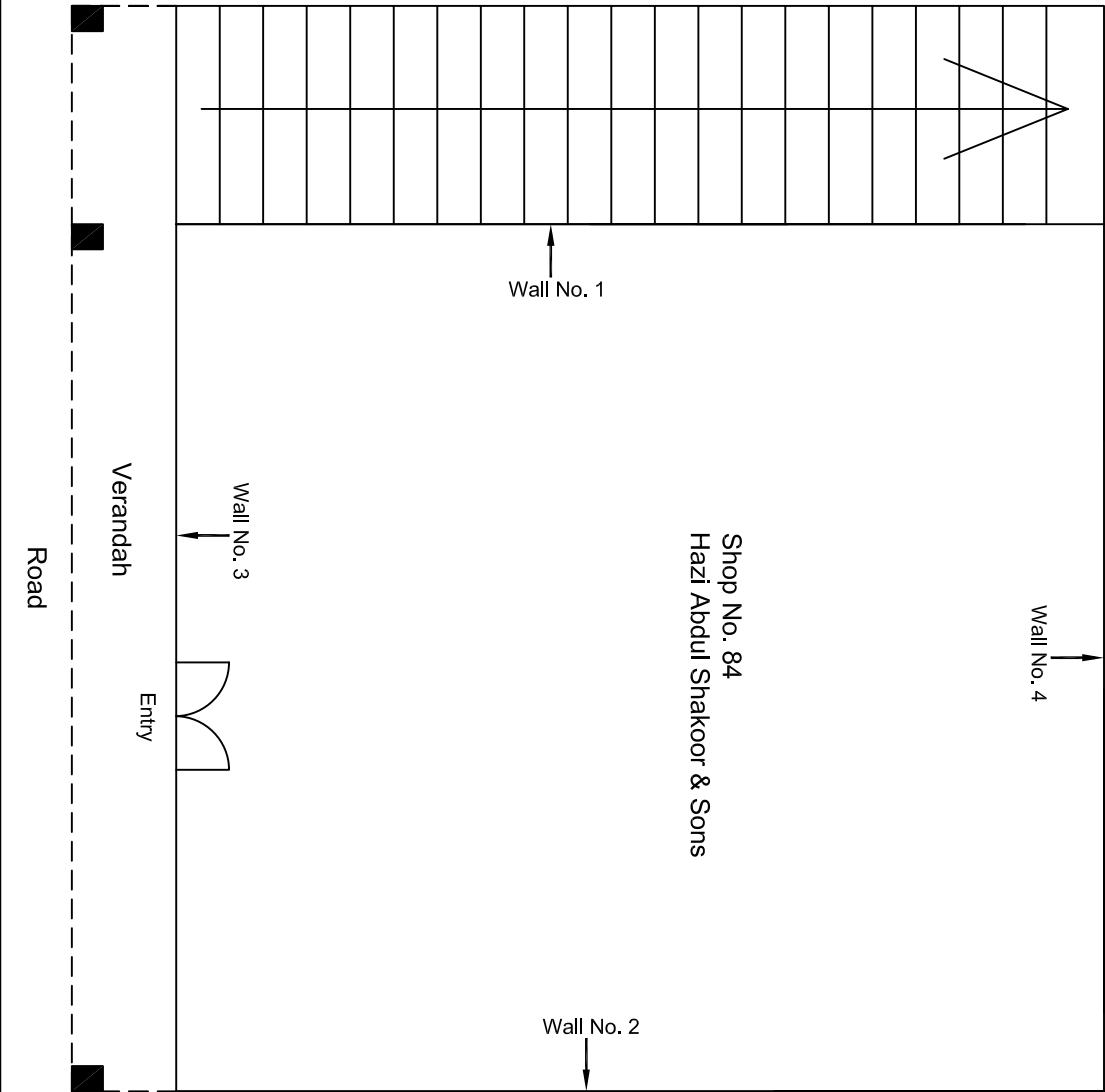
Third Floor Plan

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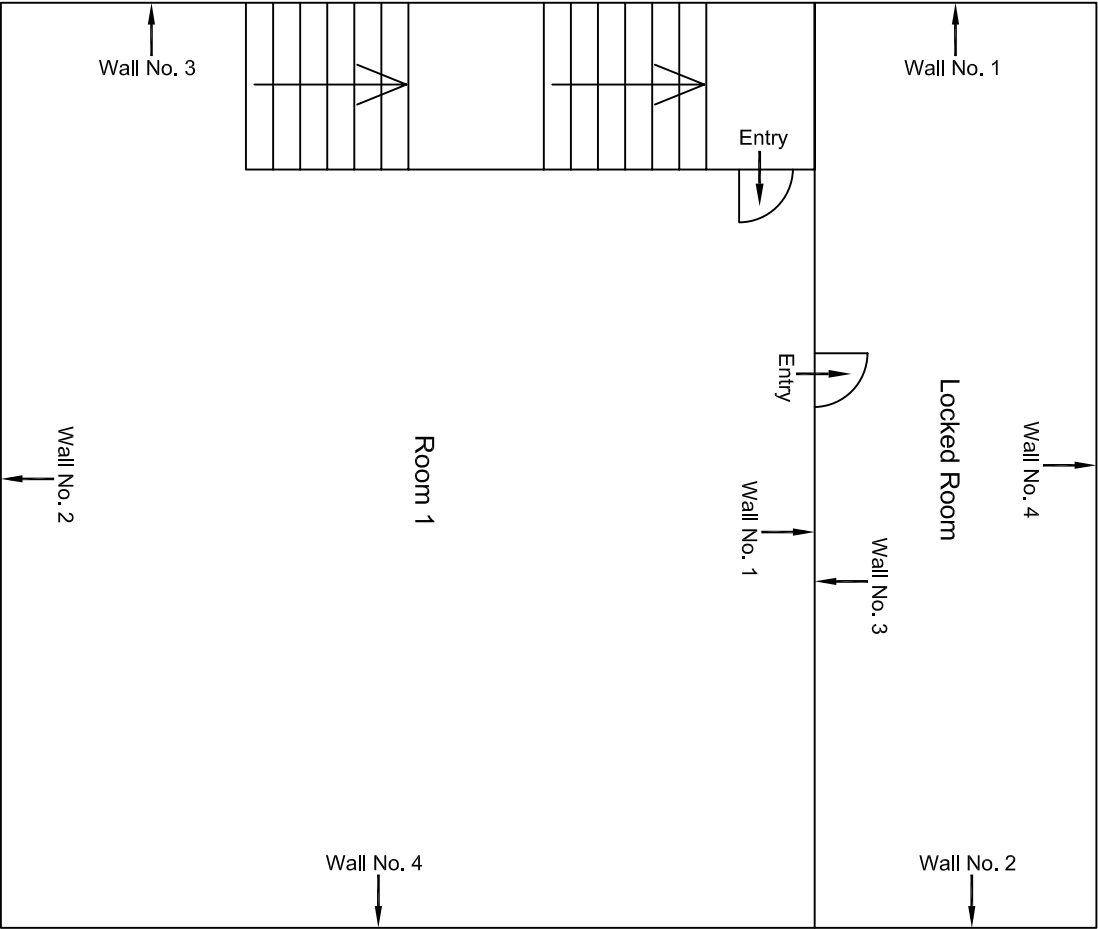
Ground Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop NO. 82, Ramganj Market		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0068/82/ 01	
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Revision	Description of Revision	Drawn By	Approved By	Date							



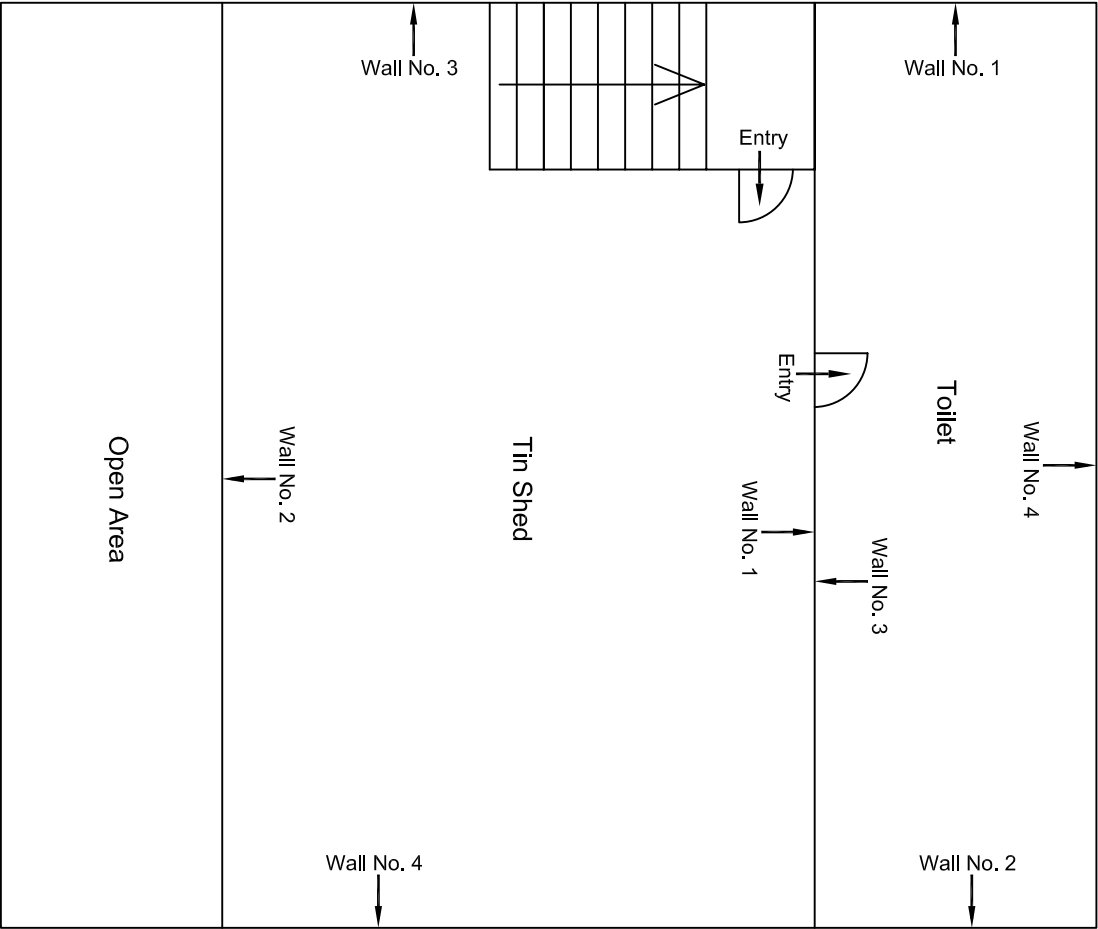
Ground Floor Plan

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				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop NO. 84 Hazi Abdul Shakoore & Sons Ramgani Market	DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0070/84/ 01	REVISION: R0
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Revision	Description of Revision	Drawn By	Approved By	Date					



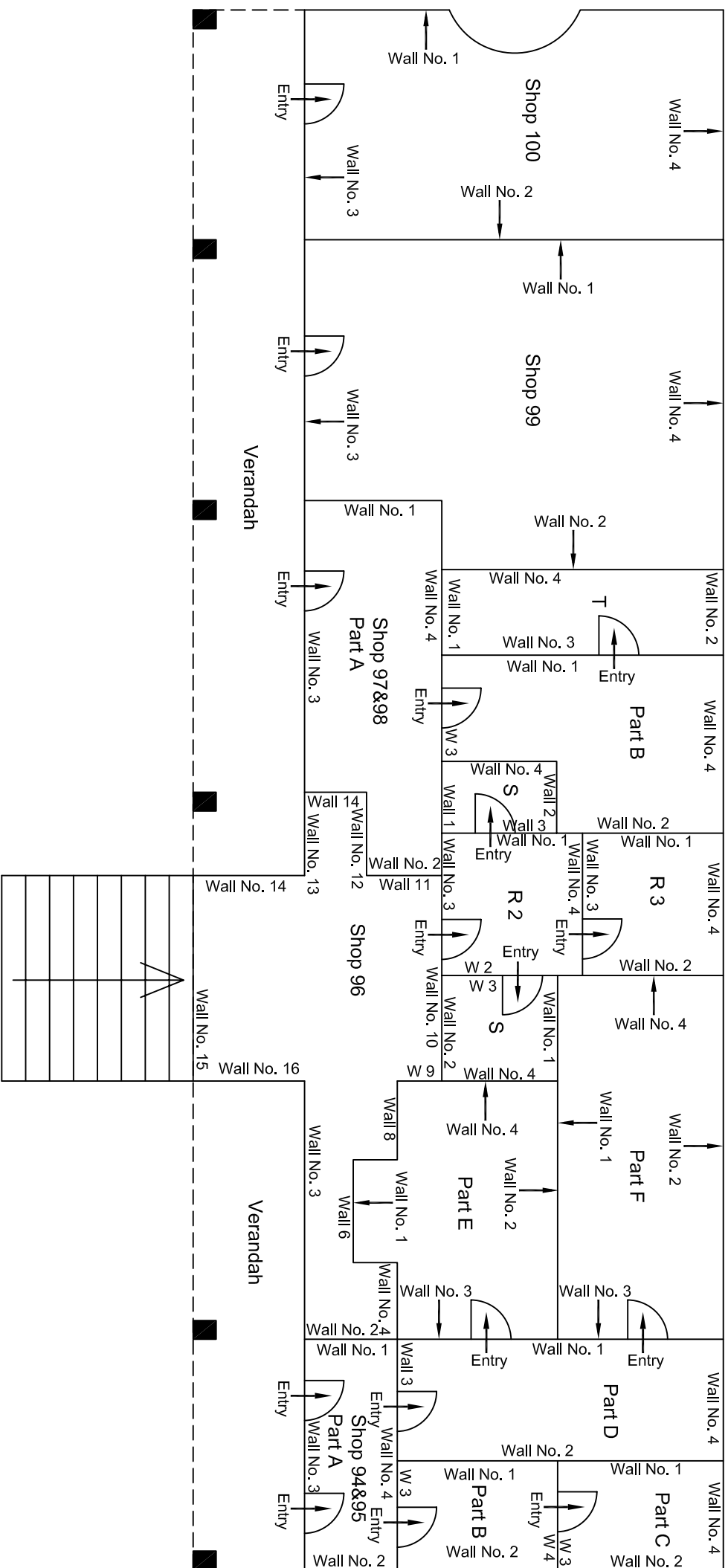
First Floor Plan

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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of House NO. 672 Above Shop No.84 Ramgani Market		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0070/FF/SF/ 01	
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00		NP	D. .PRC	16.11.2013							



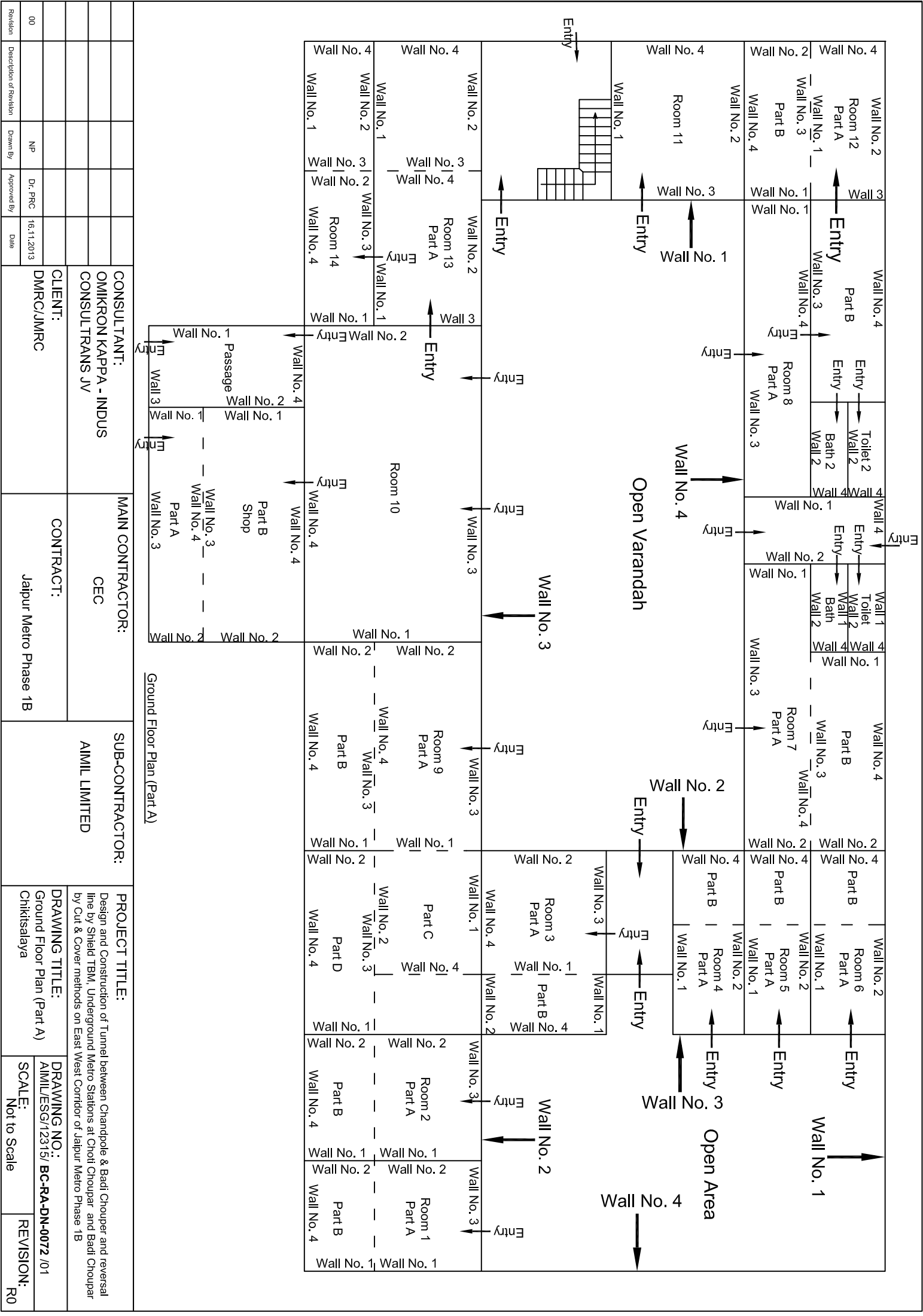
Second Floor Plan

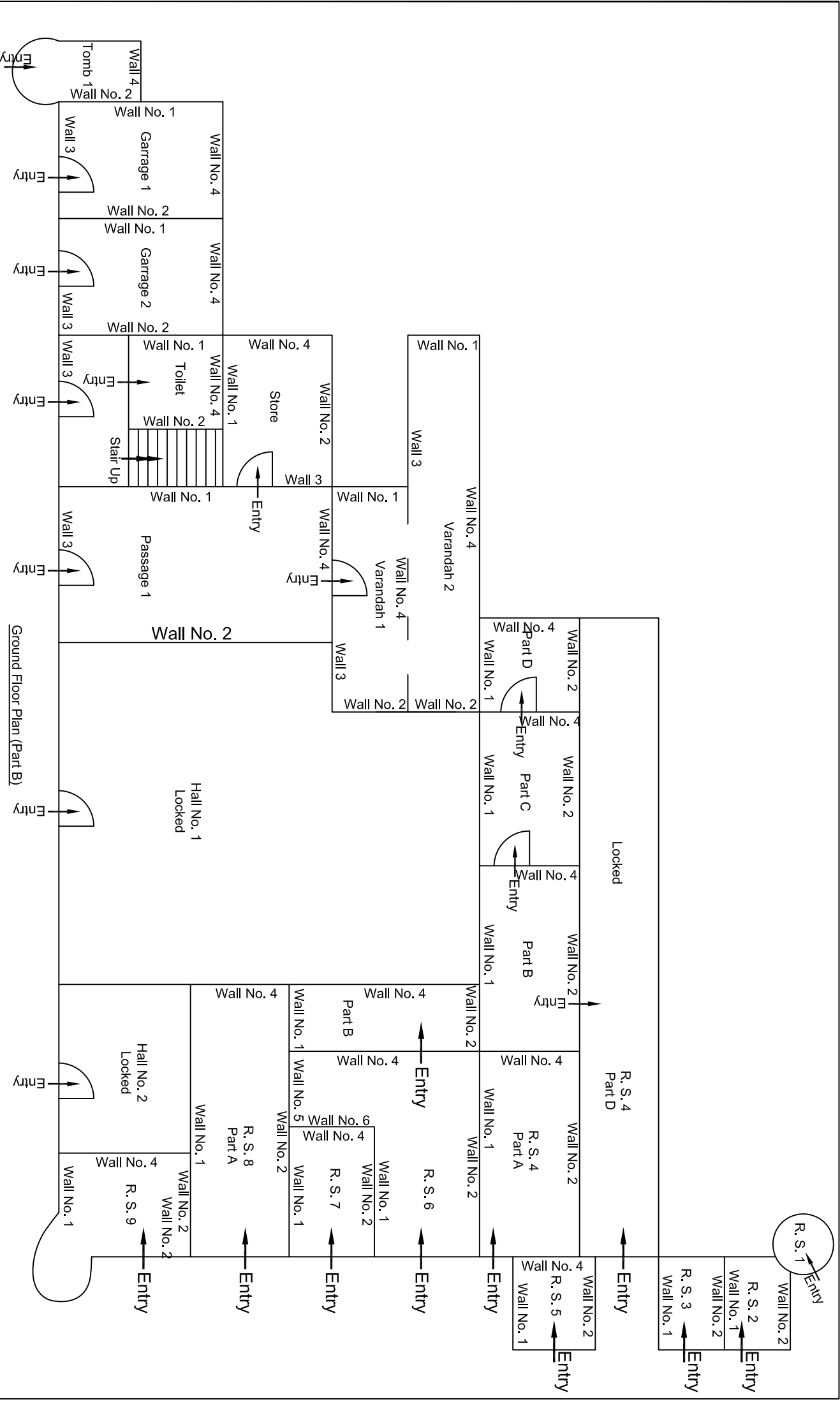
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				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Second Floor Plan of House NO. 672 Above Shop No.84 Ramganj Market		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0070/FF/SF/ 02	
00		NP	Dr. PRC	16.11.2013				SCALE: Not to Scale		REVISION: R0	
Revision	Description of Revision	Drawn By	Approved By	Date							



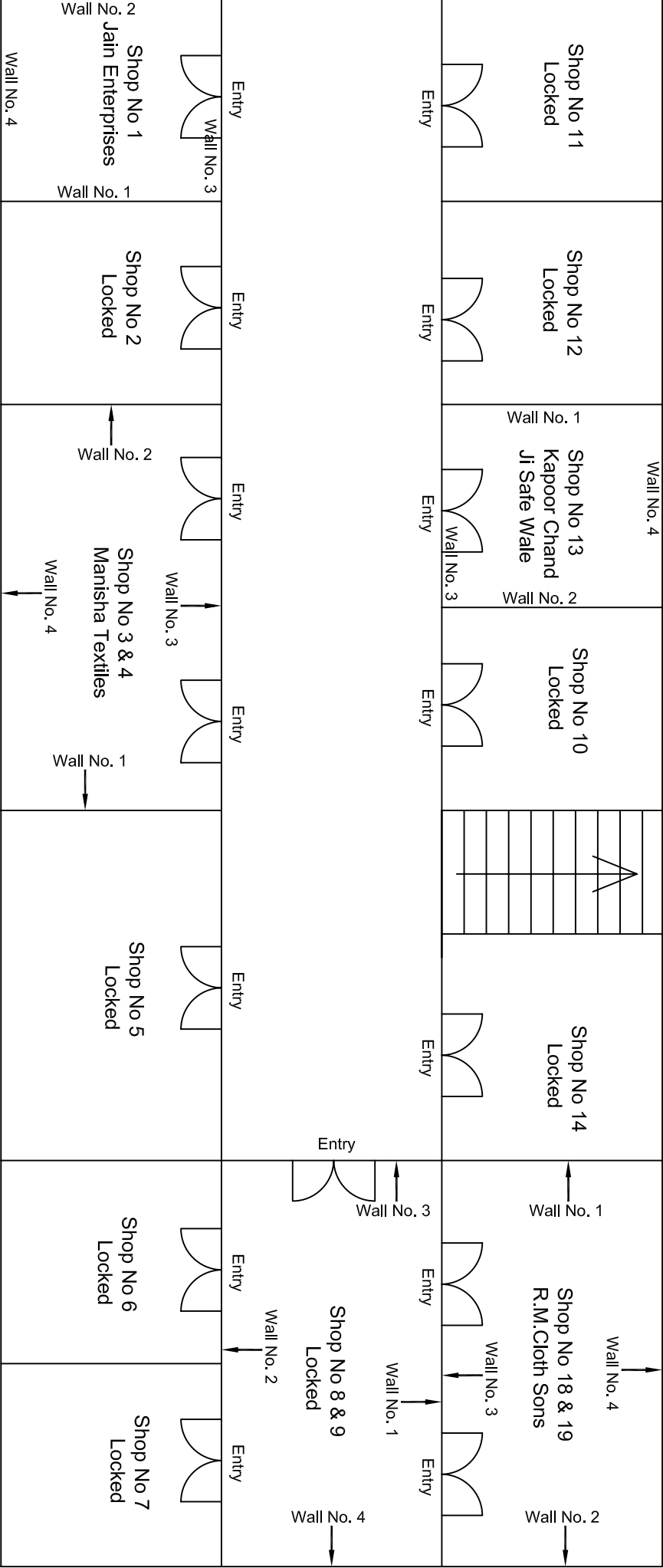
Ground Floor Plan

						CONSULTANT:		MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE:
						OMIKRON KAPPA-INDUS CONSULTRANS JV		CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
						CLIENT: DMRC/JMRC		CONTRACT:		DRAWING TITLE:
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00		NP	Dr. PRC	16.11.2013						AIMIL/ESG/12315/ BC-RA-DN-0071/94/100/ 01
Revision	Description of Revision	Drawn By	Approved By	Date				SCALE:	REVISION:	
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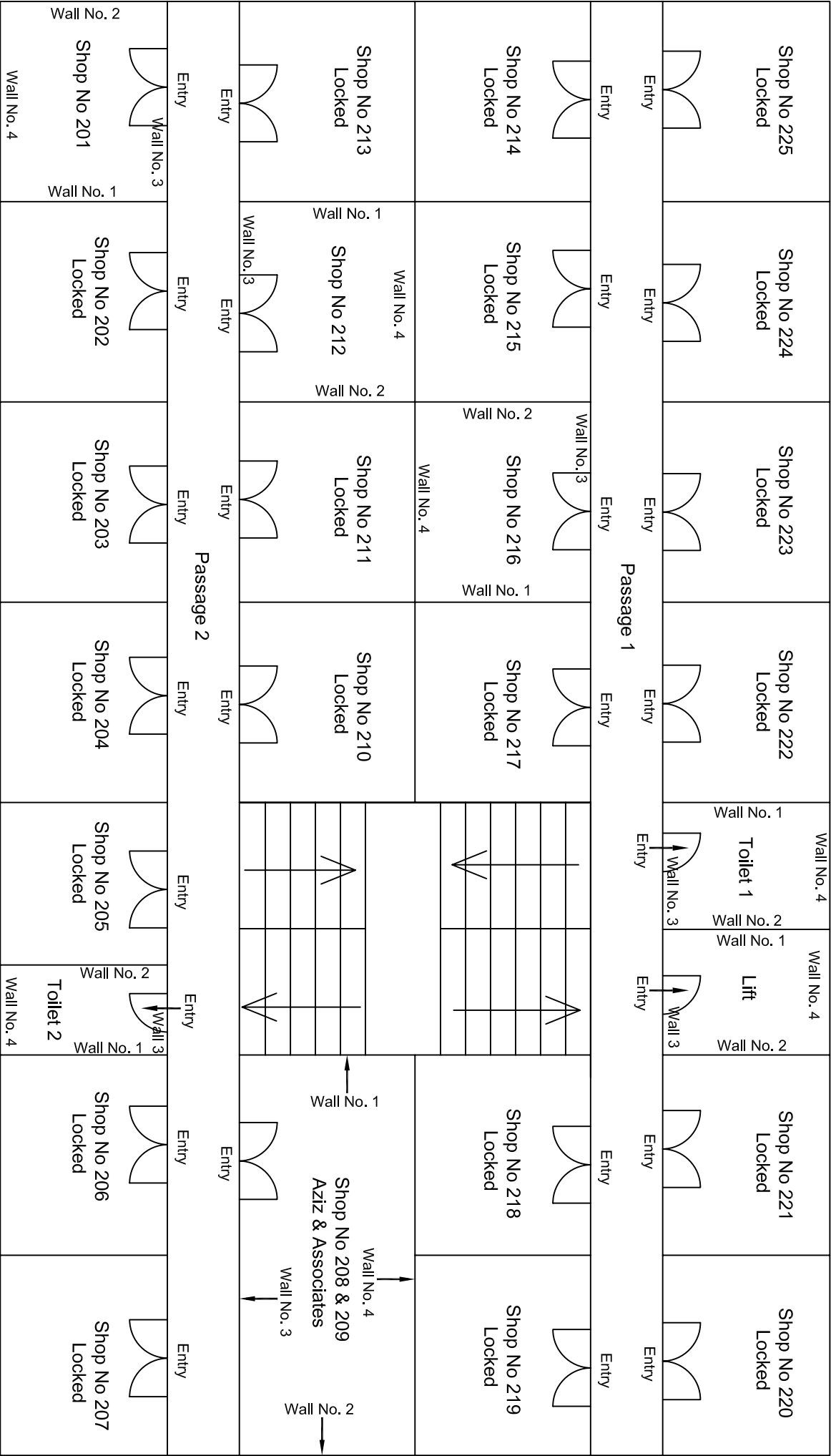
			CONSULTANT: OMIKRON KAPPA - INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
			CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Back side of Ground Floor Plan (Part B)		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0072 /02	
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									REVISION: R0	
00		NP	Dr. PRC	16.11.2013						
Revision	Description of Revision	Drawn By	Approved By	Date						



Basement Floor Plan

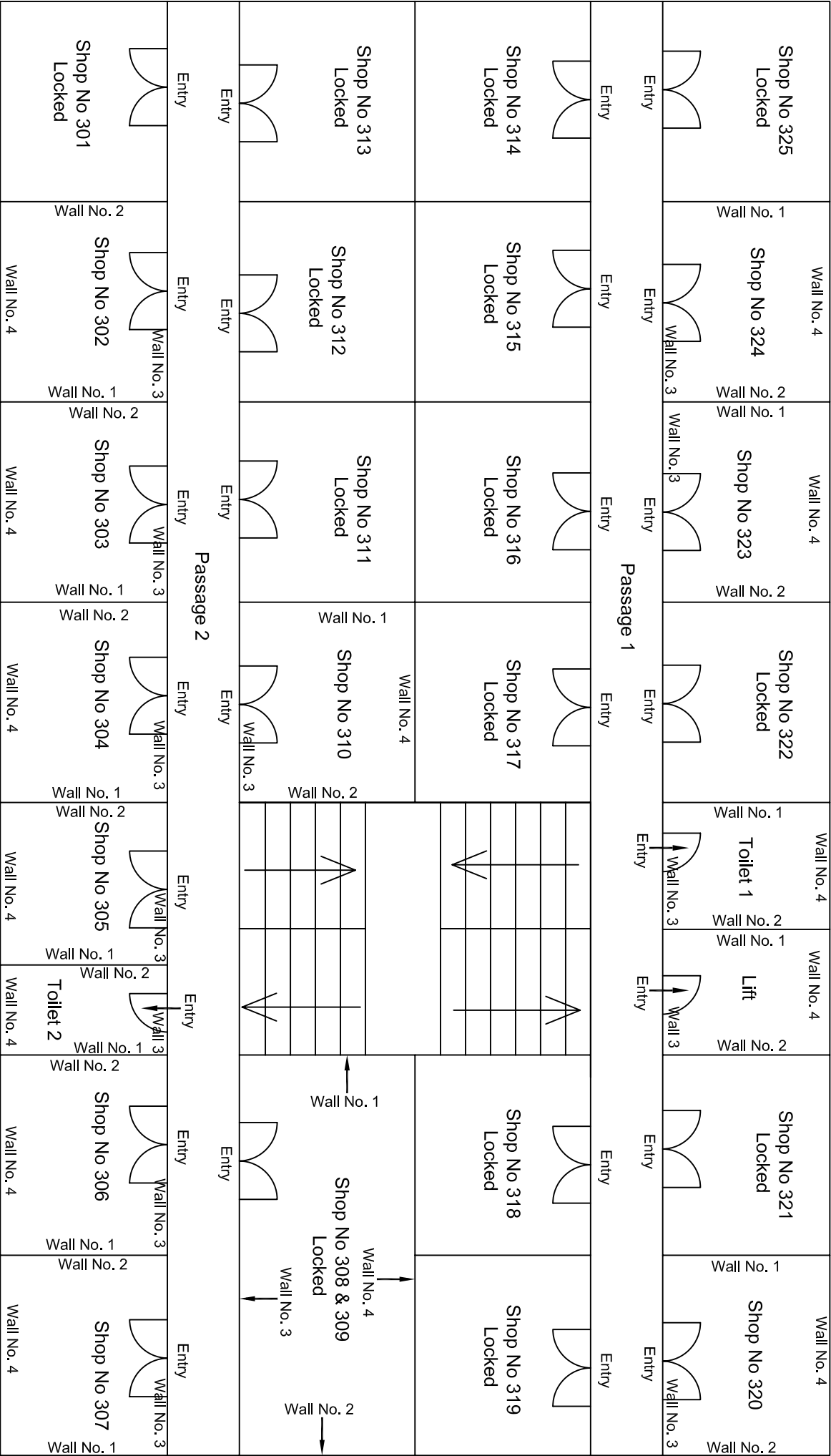
				CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
				CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Basement Floor Plan of House NO. 223,Rasta Thakur Pachewar,Ramganj Bazar			
00		NP	Dr. PRC		16.11.2013		DRAWING NO.: AIML/ESG/12315/ BC-RA-DN-0075 /B/TF / 01				
Revision	Description of Revision	Drawn By	Approved By		Date		SCALE: Not to Scale		REVISION: R0		

<div>Shop No 125 Locked</div>				<div>Shop No 124 Locked</div>				<div>Shop No 123 Locked</div>				<div>Shop No 122 Locked</div>				<div>Wall No. 4 Toilet 1</div> <div>Wall No. 1 Wall No. 2</div> <div>Wall No. 3</div>				<div>Wall No. 2 Shop No 204 Sabbir Textils</div> <div>Wall No. 4</div> <div>Wall No. 1</div> <div>Wall No. 3</div>			
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Shop No 114 Shri Shyam Kachadi Wale				Shop No 115 Locked				Shop No 116 Locked				Shop No 117 Locked				Shop No 118,119 R.M. Sons				Shop No 118,119 R.M. Sons			
Wall No. 2				Wall No. 1				Wall No. 1				Wall No. 2				Wall No. 4				Wall No. 4			
Wall No. 4				Wall No. 4				Wall No. 1				Wall No. 2				Wall No. 1				Wall No. 2			
Shop No 113 Sana Impex				Shop No 112 Sana Impex				Shop No 111 Locked				Shop No 111 Locked				Shop No 108,109 R.M.Cloth Store				Shop No 108,109 R.M.Cloth Store			
Wall No. 1				Wall No. 1				Wall No. 2				Wall No. 2				Wall No. 4				Wall No. 4			
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Entry				Entry				Entry				Entry				Entry				Entry			
Wall No. 1				Wall No. 3				Wall No. 1				Wall No. 2				Wall No. 2				Wall No. 1			
Entry				Entry				Entry				Entry				Entry				Entry			
Shop No 101 Locked				Shop No 102 Locked				Shop No 103 Locked				Shop No 104 Locked				Shop No 105 Locked				Shop No 106,107 Pakizah Collection			
Entry				Entry				Entry				Entry				Entry				Entry			
Wall No. 4				Wall No. 3				Wall No. 2				Wall No. 1				Wall No. 2				Wall No. 1			
Entry				Entry				Entry				Entry				Entry				Entry			
Shop No 101 Locked				Shop No 102 Locked				Shop No 103 Locked				Shop No 104 Locked				Shop No 105 Locked				Shop No 106,107 Pakizah Collection			
Entry				Entry				Entry				Entry				Entry				Entry			
Wall No. 1				Wall No. 3				Wall No. 1				Wall No. 2				Wall No. 2				Wall No. 1			
Entry				Entry				Entry				Entry				Entry				Entry			
Shop No 101 Locked				Shop No 102 Locked				Shop No 103 Locked				Shop No 104 Locked				Shop No 105 Locked				Shop No 106,107 Pakizah Collection			
Entry				Entry				Entry				Entry				Entry				Entry			
Wall No. 4				Wall No. 3				Wall No. 2				Wall No. 1				Wall No. 2				Wall No. 1			
Entry				Entry				Entry				Entry				Entry				Entry			
Shop No 101 Locked				Shop No 102 Locked				Shop No 103															



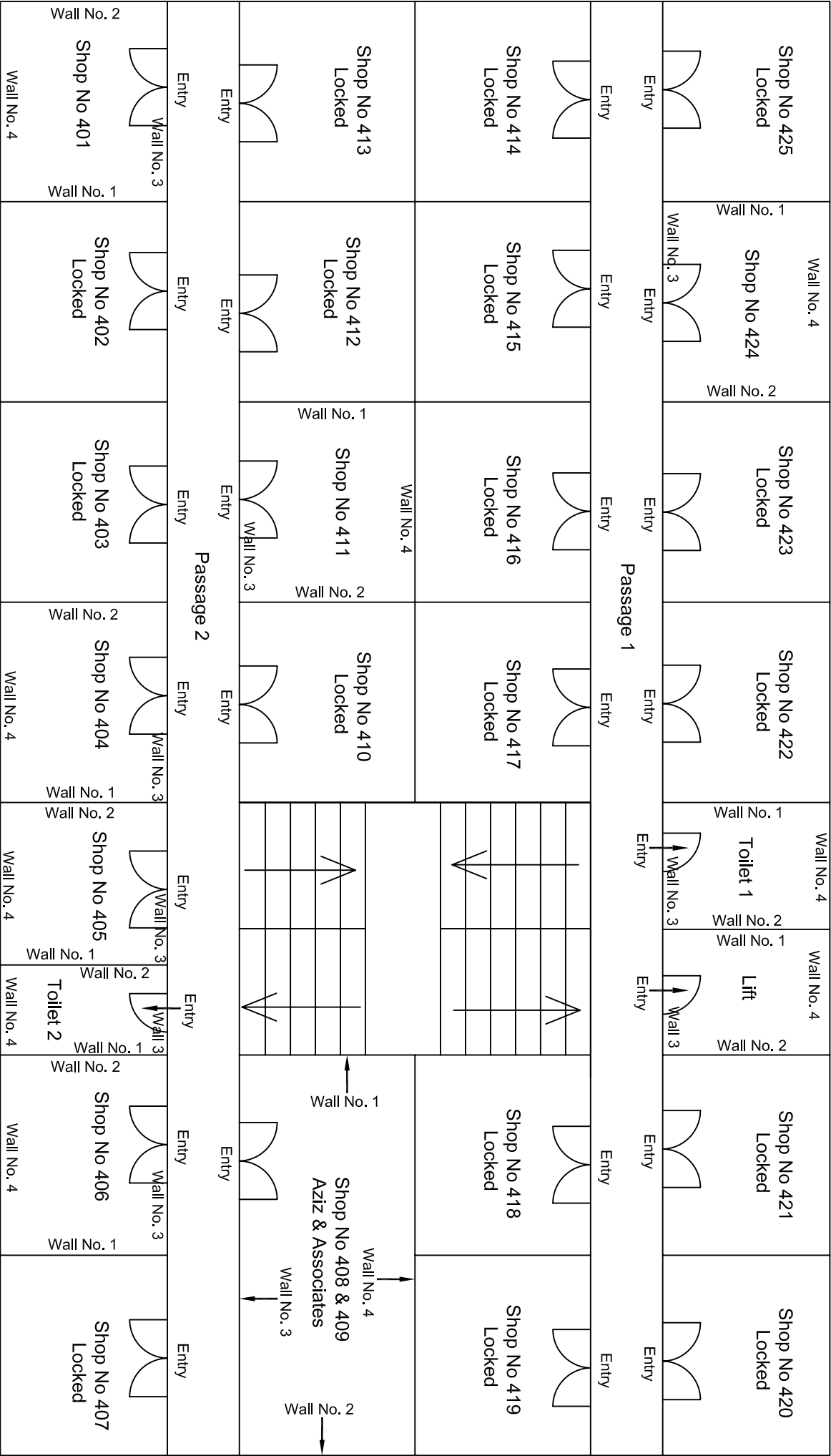
First Floor Plan

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			CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of House NO. 223 Rasta Thakur Pachewar, Ramgani Bazar	DRAWING NO. : AIML/ESG/12315/ BC-RA-DN-0075 /B/TF / 03	
00		NP	D. PRC	16.11.2013		SCALE: Not to Scale	REVISION: R0	
Revision	Description of Revision	Drawn By	Approved By	Date				



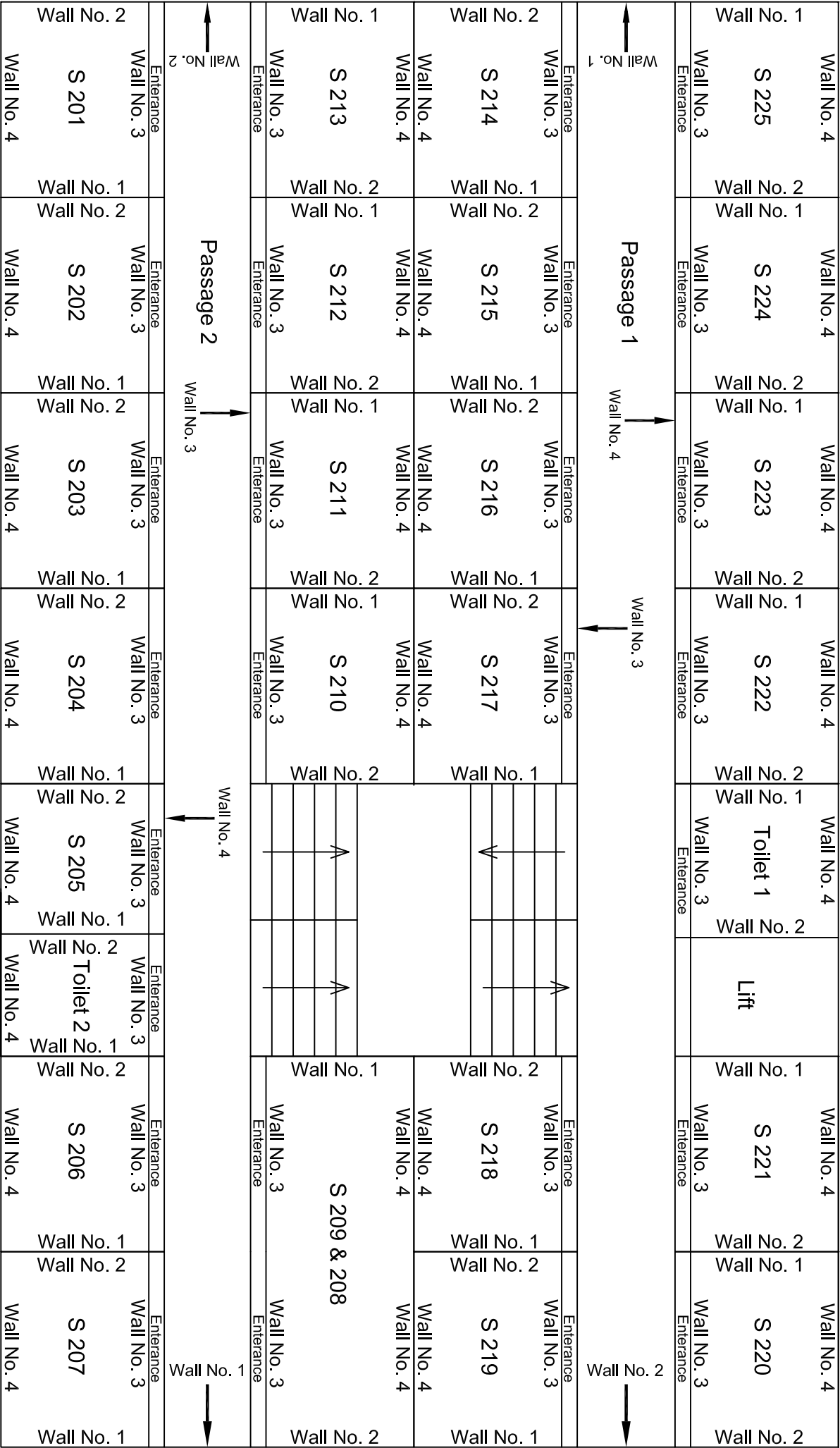
Second Floor Plan

				CONSULTANT: OMIKRON KAPPAINDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
				CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Second Floor Plan of House NO. 223 Rasta Thakur Pachewar, Ramgani Bazar	DRAWING NO.: AIM/ESG/12315/ BC-RA-DN-0075 /B/TF / 04	REVISION: R0
00		NP	Dt. PRC 16.11.2013					SCALE: Not to Scale	
Revision	Description of Revision	Drawn By	Approved By	Date					



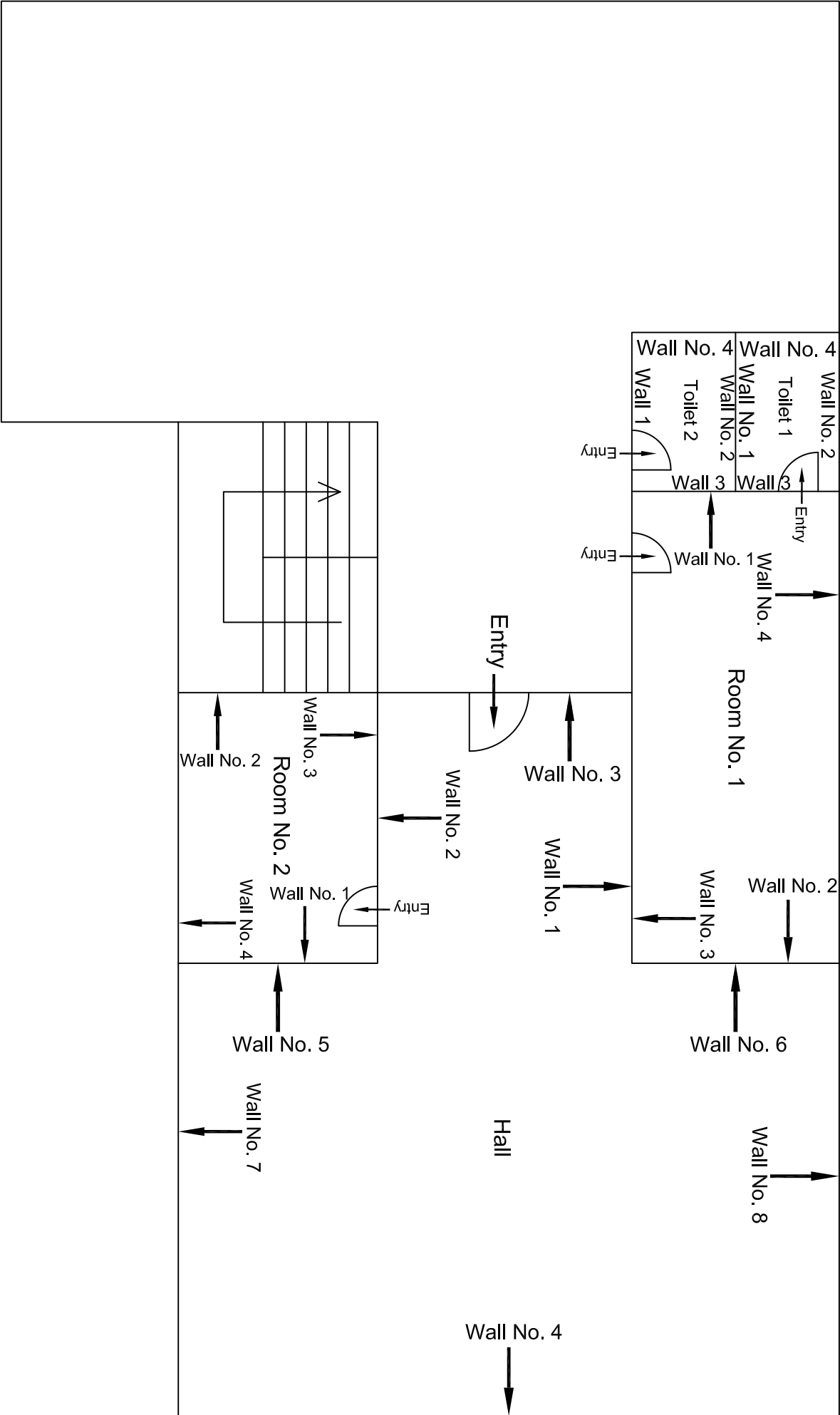
Third Floor Plan

			CONSULTANT: OMIKRON KAPPANANDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM. Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
			CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Third Floor Plan of House NO. 223 Rasta Thakur Pachewar, Ramgani Bazar	DRAWING NO. : AIM/ESG/12315/ BC-RA-DN-0075 /B/TF / 05	
00		NP	D. PRC	16.11.2013			SCALE: Not to Scale	REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date				



Typical Drawing of first & Second Floor Plan

					CONSULTANT: OMIKRON KAPPA - INDUS CONSULTRANS JV		MAIN CONTRACTOR: CEC		SUB-CONTRACTOR: AIMIL LIMITED		PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Chhoti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Typical Drawing of First & Second Floor Plan of Shps Sarraf Kalta		DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0075 /03	
00		NP	Dc, PRC	16.11.2013					SCALE: Not to Scale		REVISION: R0	
Revision	Description of Revision	Drawn By	Approved By	Date								



Terrace Floor Plan

					CONSULTANT: OMIKRON KAPPA - INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Chhoti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Terrace Floor Plan of Shps Sarraf Katla	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DN-0075 /04	REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date						
00		NP	D. PRC	16.11.2013						



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Above Shop No. 82
Ramganj Bazaar
Jaipur
Unique ID:BC-RA-DL/0068

Report Number: AIMIL/ESG/JMCEC/BC-RA-DL/0068/FF-SF/01, Rev. 00, Dated: June 2014

Building Owner
Contractor

Mr. Hazi Mobin
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited





Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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7	Summary of Cracks	5
8	Summary of Defects other than Cracks	
9	Summary of Areas that Could not be surveyed	
10	Defect Photographs	
11	Schematic Diagram of Building	


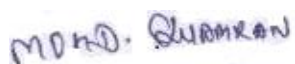
Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/06/2014	
2	AIMIL Representative		
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1914 and is 100 years old.

There are 11 defects in the structure out of which 6 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 2 (Slight)

Category	Number of Cracks	% of Total Cracks	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	3	50%	Required
Slight (1 to 5mm)	3	50%	Required
Moderate (5 to 15mm)	0	0%	Not Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA-DL/0068/FF-SF	Above Shop No. 82	Mr. Hazi Mobin	



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	House above Shop No. 82
2	Building Address	Above Shop No. 82, Ram Ganj Market, Jaipur
3	Year of Construction	1914
4	Number of Floors	G+3
5	Number of Basements	Not known
6	Type of Building	Residential+Commercial
7	Approximate Height	12m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Sides
15	Presence of Equipment/Machines	None



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof of Varandah of House above Shop No. 82, Ground Floor	Horizontal	1.5	2.8	Slight	3
2	Wall No. 2 of Stair GF to FF of House above Shop No.82, Ground floor	Inclined	0.25	0.8	Very Slight	4A & 4B
3	Wall No. 1 to 3 of Stair GF to FF of House above Shop No.82, First floor	Inclined	0.35	2.7	Very Slight	5
4	Wall No. 3 of Stair GF to FF of House above Shop No.82, First floor	Horizontal	1	0.7	Slight	6
5	Wall No. 1 of Stair FF to SF of House above Shop No.82, First floor	Inclined	0.25	1.2	Very Slight	7A & 7B
6	Wall no. 4 of Lobby of House above Shop No.82,Second Floor	Horizontal	2.5	1.8	Very Slight	8A & 8B
Summary of Defects Other Than Crack						
Defect ID	Location	Description				Photo No.
1	Roof of Varandah of House above Shop No. 82, Ground Floor	Plaster Removal				9
2	Roof of Varandah of House above Shop No. 82, Ground Floor	Plaster Crack				10
3	Wall No. 1 & 4 of Room of House above Shop No.82, First floor	Dampness/Seepage				11
4	Wall No. 3 of Stair SF to TF of House above Shop No.82, Second Floor	Plaster Removal				12
5	Wall No.1 of Lobbyof House above Shop No.82, Third Floor	Dampness/Seepage				13
Summary of Areas that Could not be Surveyed						
Serial No.	Location	Description				Photo No.
1	Wall No. 2 & 3 of Room of House above Shop No.82, First floor	Covered with wooden & Glass				14
2	Room of House above Shop No.82,Second floor	Locked				15
2	All Walls of Toilet & Bathroom of House above Shop No.82, Second floor	Covered With Tiles.				16



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Photo 1

View of Hall of House Above Shop No. 82, Third Floor



Photo 2

View of Hall of House Above Shop No. 82, Third Floor

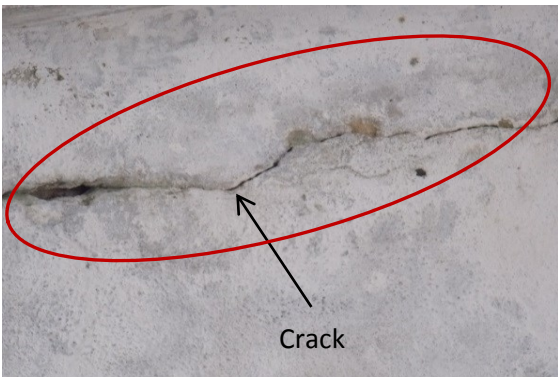


Photo 3

Horizontal Crack on Roof of Varandah of House above Shop No. 82, Ground Floor, Approx. Width = 1.5mm, Approx. Length = 2.8m. Distance from R.H.S. Col. = 0m, Height from Floor = 3m.

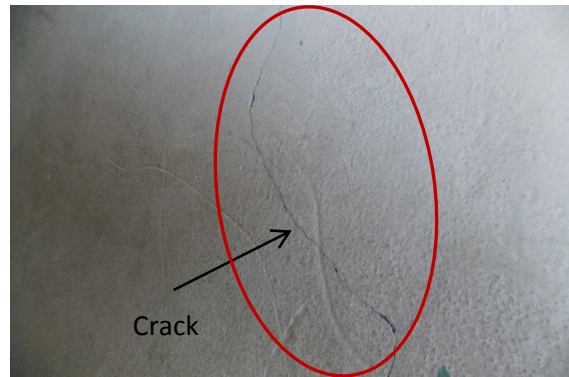


Photo 4A

Inclined Crack on Wall No.2 of Stair GF to FF of House above Shop No.82 Ground floor, Approx. Width = .25mm, Approx. Length = .8m. Distance from Wall No.3 = 3m, Height from Floor = 1.2m.

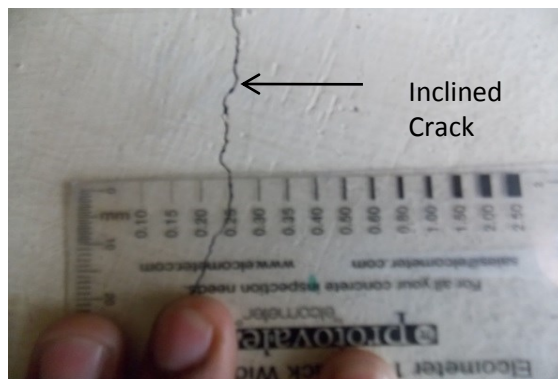


Photo 4B

Inclined Crack on Wall No.2 of Stair GF to FF of House above Shop No.82 Ground floor, Approx. Width = .25mm, Approx. Length = .8m. Distance from Wall No.3 = 3m, Height from Floor = 1.2m.

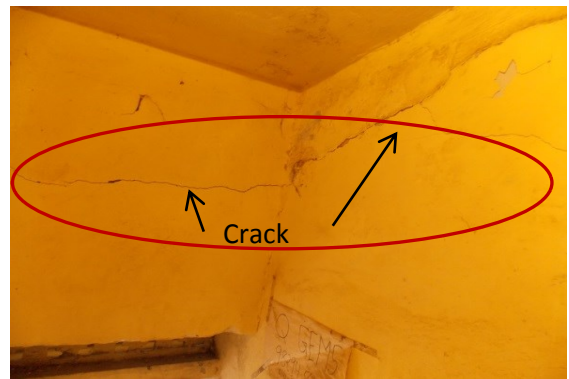


Photo 5

Inclined Crack on Wall No.1 to 3 of Stair GF to FF of House above Shop No.82, First floor, Approx. Width = 0.35mm, Approx. Length = 2.7m. Distance from Wall No. 3 = 0m, Height from Floor = 1.2m.

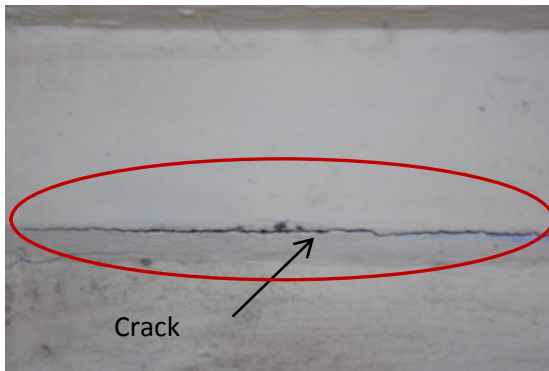


Photo 6

Horizontal Crack on Wall No. 3 of Stair GF to FF of House above Shop No.82, First floor, Approx. Width = 1mm, Approx. Length = 0.70m. Distance from Wall No. 3 = 0m, Height from Floor = 2m.

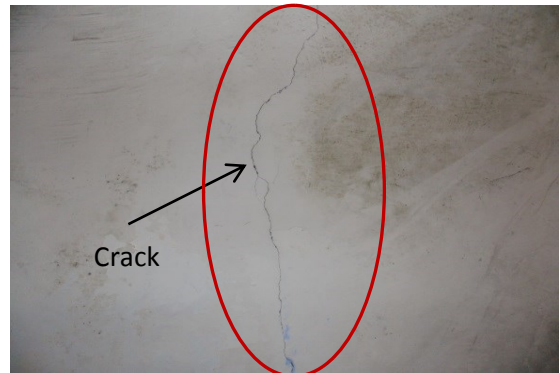


Photo 7A

Inclined Crack on Wall No. 1 of Stair FF to SF of House above Shop No.82, First floor, Approx. Width = 0.25mm, Approx. Length = 1.20m. Distance from Wall No. 4= 2.50m, Height from Floor = 1m.

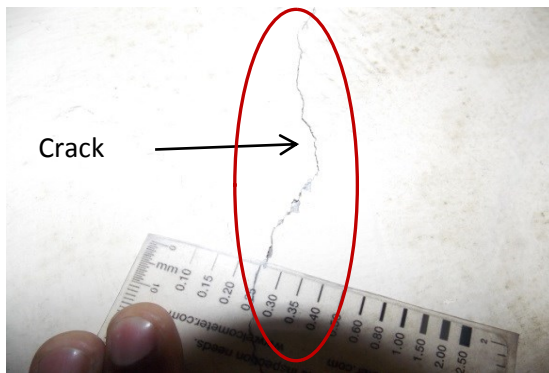


Photo 7B

Inclined Crack on Wall No. 1 of Stair FF to SF of House above Shop No.82, First floor, Approx. Width = 0.25mm, Approx. Length = 1.20m. Distance from Wall No. 4= 2.50m, Height from Floor = 1m.



Photo 8A

Inclined Crack on Wall no. 4 of Lobby of House above Shop No.82, Second Floor, Approx. Width = 2.5mm, Approx. Length = 1.80m. Distance from Wall No.3= 1m, Height from Floor = 0m.

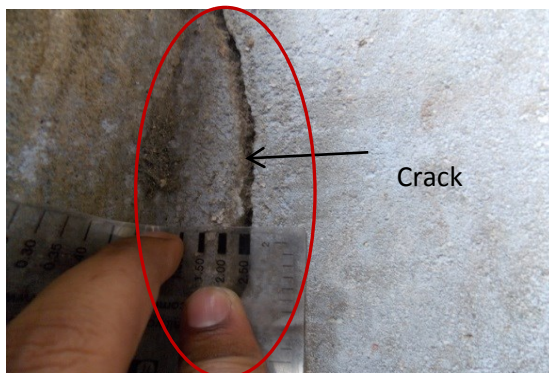


Photo 8B

Inclined Crack on Wall no. 4 of Lobby of House above Shop No.82, Second Floor, Approx. Width = 2.5mm, Approx. Length = 1.80m. Distance from Wall No.3= 1m, Height from Floor = 0m.



Photo 9

Plaster Removal on Roof of Varandah of House above Shop No. 82, Ground Floor

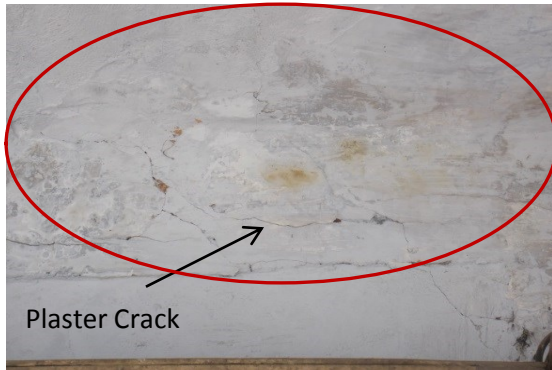


Photo 10

Plaster Crack on Roof of Varandah of House above Shop No. 82, Ground Floor



Photo 11

Dampness/Seepage on Wall No. 1 & 4 of Room of House above Shop No.82, First floor



Photo 12

Plaster Removal on Wall No. 3 of Stair SF to TF of House above Shop No.82, Second Floor



Photo 13

Dampness/Seepage on Wall No.1 of Lobby of House above Shop No.82, Third Floor



Photo 14

Covered with Wooden & Glass, Wall No. 2 & 3 of Room of House above Shop No.82, First floor



Photo 15

Locked, Room of House above Shop No.82, Second floor



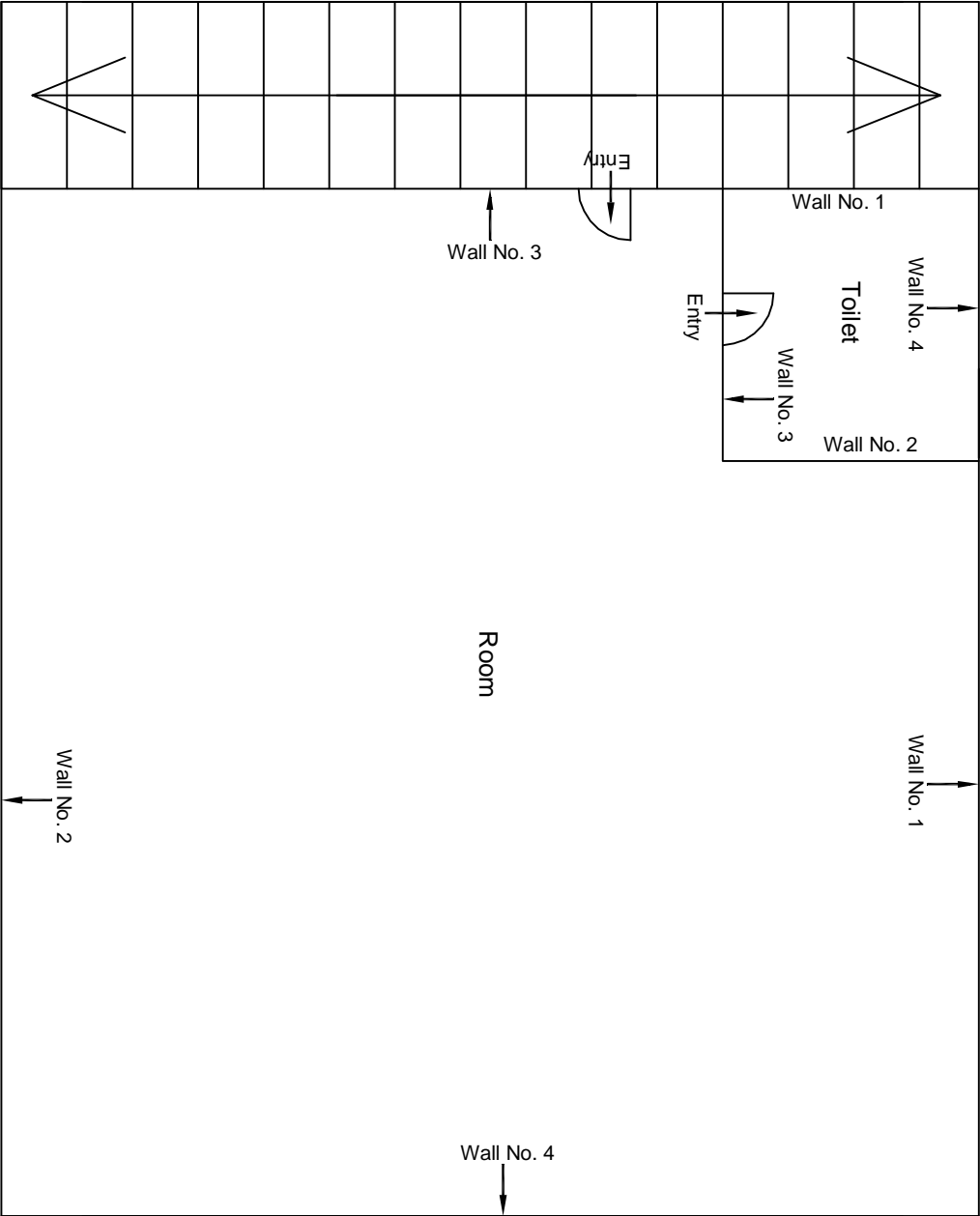
JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



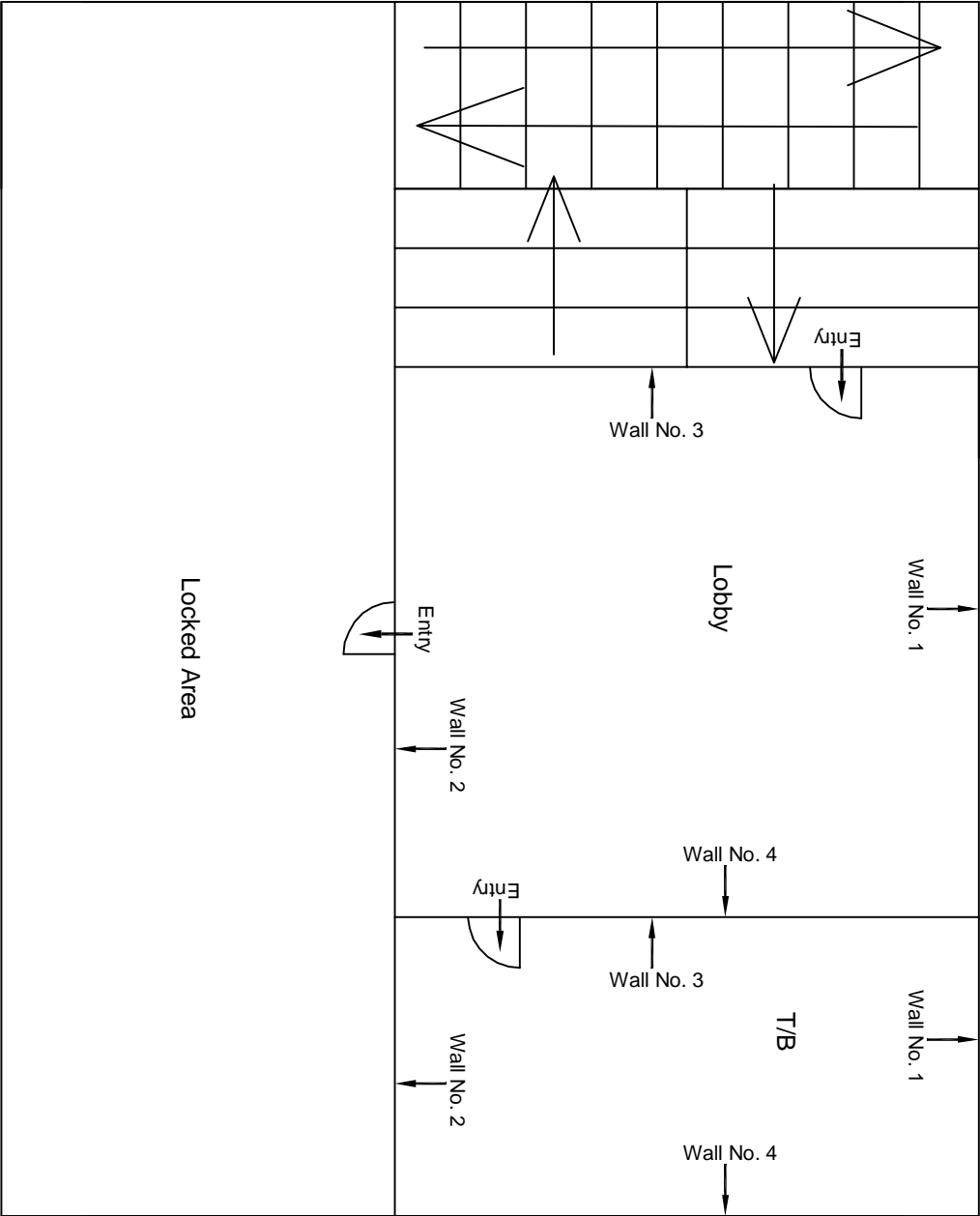
Photo 16

Covered with Tiles, All Walls of Toilet & Bathroom of House above Shop
No.82, Second floor



First Floor Plan

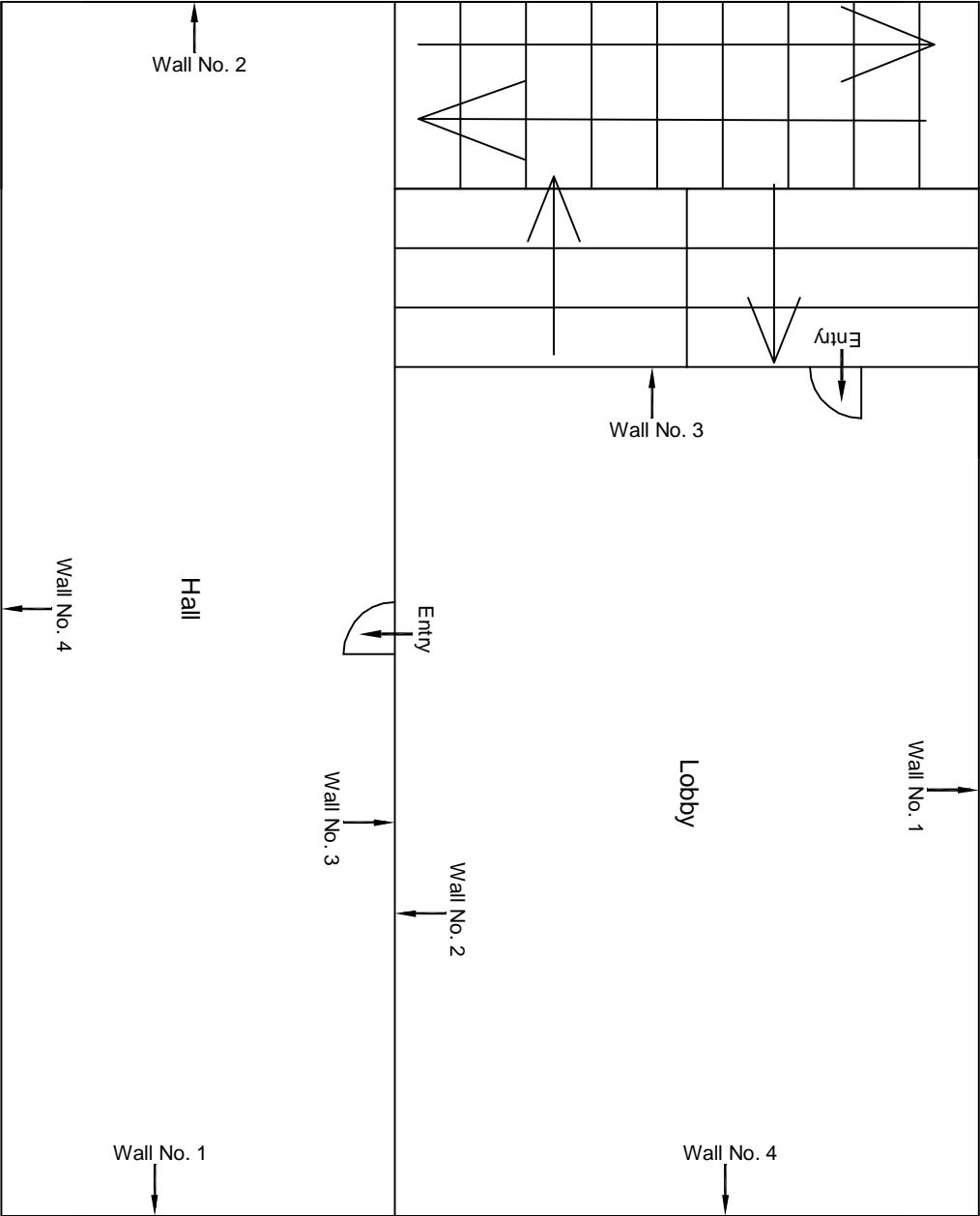
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					CLIENT: DMRC/JMRC		CONTRACT: Jaipur Metro Phase 1B				DRAWING TITLE: First Floor Plan of Above Shop No 82 Ramganj Market					
00		NP	Dr. PRC	16.11.2013							DRAWING NO.: AIMIL/ESG/12315/BC-RA-DL-0068/F/SF /01		SCALE: Not to Scale		REVISION: R0	
Revision	Description of Revision	Drawn By	Approved By	Date												



Locked Area

Second Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
					CLIENT: DMRC/JMRC			
00		NP	Dr. PRC	16.11.2013				
Revision	Description of Revision	Drawn By	Approved By	Date				
								DRAWING TITLE: Second Floor Plan of Above Shop No 82 Ranganj Market
								DRAWING NO.: AIMIL/ESG/12315/BC-RA-DL-0068/FF/SF /02
								SCALE: Not to Scale
								REVISION: R0



Third Floor Plan

						CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
						CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Third Floor Plan of Above Shop No 82 Ranganj Market	
00		NP	Dr. PRC	16.11.2013					DRAWING NO.: AIMIL/ESG/12315/BC-RA-DL-0068/FF/SF /03	
Revision	Description of Revision	Drawn By	Approved By	Date					SCALE: Not to Scale	REVISION: R0



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. G 38, G 35, G 36, F11, S3 & S5
Radhagovind Complex, Maniramji Ki Kothi
Jaipur
Unique ID:BC-RA/DL/0074

Report Number: AIMIL/ESG/JMCEC/BC-RA/DL/0074/27,30,31,71 & 100/01, Rev. 00, Dated: June 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited



Aimil Ltd.
Instrumentation & Technologies



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

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5	Project Details	4
6	General Building Details	4
7	Summary of Cracks	5
8	Summary of Defects other than Cracks	5
9	Summary of Areas that Could not be surveyed	5
10	Defect Photographs	
11	Schematic Diagram of Building	


Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/6/2014	
2	AIMIL Representative	<i>MOHD. SHAMRAN</i>	
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 2 floors. The structure was constructed in year 2004 & 10 Years Old.

There are 0 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	0	0%	Not Required
Slight (1 to 5mm)	0	0%	Not Required
Moderate (5 to 15mm)	0	0%	Not Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0074/27	Shop No. G 38,R.M. Textiles	Mr. Mukesh	
BC-RA/DL/0074/30	Shop No. G 35,Saniya Worlds Fashion	Mr. Syed Shamim Husain	
BC-RA/DL/0074/31	Shop No. G 36,Vaibav Gotazari	Mr. Kishan	
BC-RA/DL/0074/71	Shop No. F11,A-One Saree Centre	Mr. Isha	
BC-RA/DL/0074/100	Shop No. S3 & S5,Shri Ram	Mr. Ghanshyam Das	



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. G 38, G 35, G 36, F11, S3 & S5
2	Building Address	Radhagovind Complex, Maniramji Ki Kothi, Jaipur
3	Year of Construction	2004
4	Number of Floors	B+G+2
5	Number of Basements	Not Known
6	Type of Building	Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	10Years
10	Type of Structure	RCC
11	Type of Foundation	Not Known
12	Number of Bore Wells	Not Known
13	Depth and Diameter of Bore	N.A
14	Roadways	One Sides
15	Presence of Equipment/Machines	None



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Badi Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls of Shop No. G 38, R.M. Textiles, Ground Floor	Covered with Materials	7
2	All Walls of Shop No. G 35, Saniya World Fashion, Ground Floor	Covered with Materials	8
3	All Walls of Shop No. G 36, Vaibav Gota Zari, Ground Floor	Covered with Materials	9
4	All Walls of Shop No. G 36, Vaibav Gota Zari, Ground Floor	Covered with Materials	10
5	All Walls of Shop No. F-11, A-One Saree Centre, First Floor	Covered with Materials	11



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Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Badi Chouper and reversal line



Photo 1

Front View of Shop No. G-38, R.M. Textiles, Ground Floor



Photo 2

Front View of Shop No. G-35, Saniya World Fashion, Ground Floor



Photo 3

Front View of Shop No. G-36, Vaibav Gota Zari, Ground Floor



Photo 4

Front View of Shop No. F-11, A-One Saree Centre, First Floor



Photo 5

Front View of Shop No. S-3 & S-5, Shri Ram, Second Floor



Photo 6

General View of Shop No. S-3 & S-5, Shri Ram, Second Floor



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Badi Chouper and reversal line

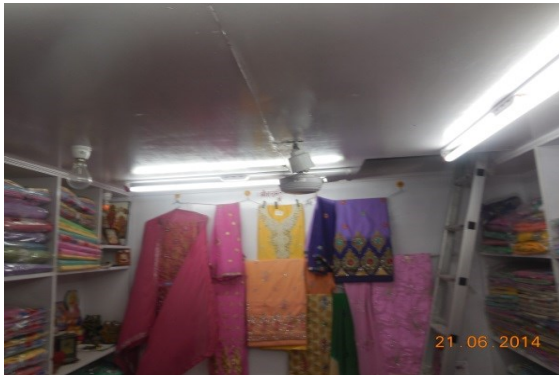


Photo 7

Covered With Materials, All Walls of Shop No. G-38, R.M. Textiles, Ground Floor

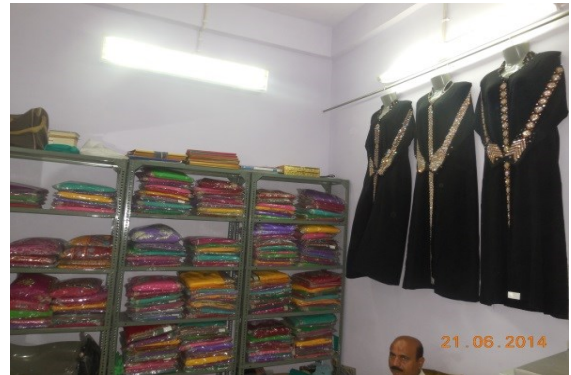


Photo 8

Covered With Materials, All Walls of Shop No. G-35, Saniya World Fashion, Ground Floor



Photo 9

Covered With Materials, All Walls of Shop No. G-36 Vaibhav Gota Zari, Ground Floor



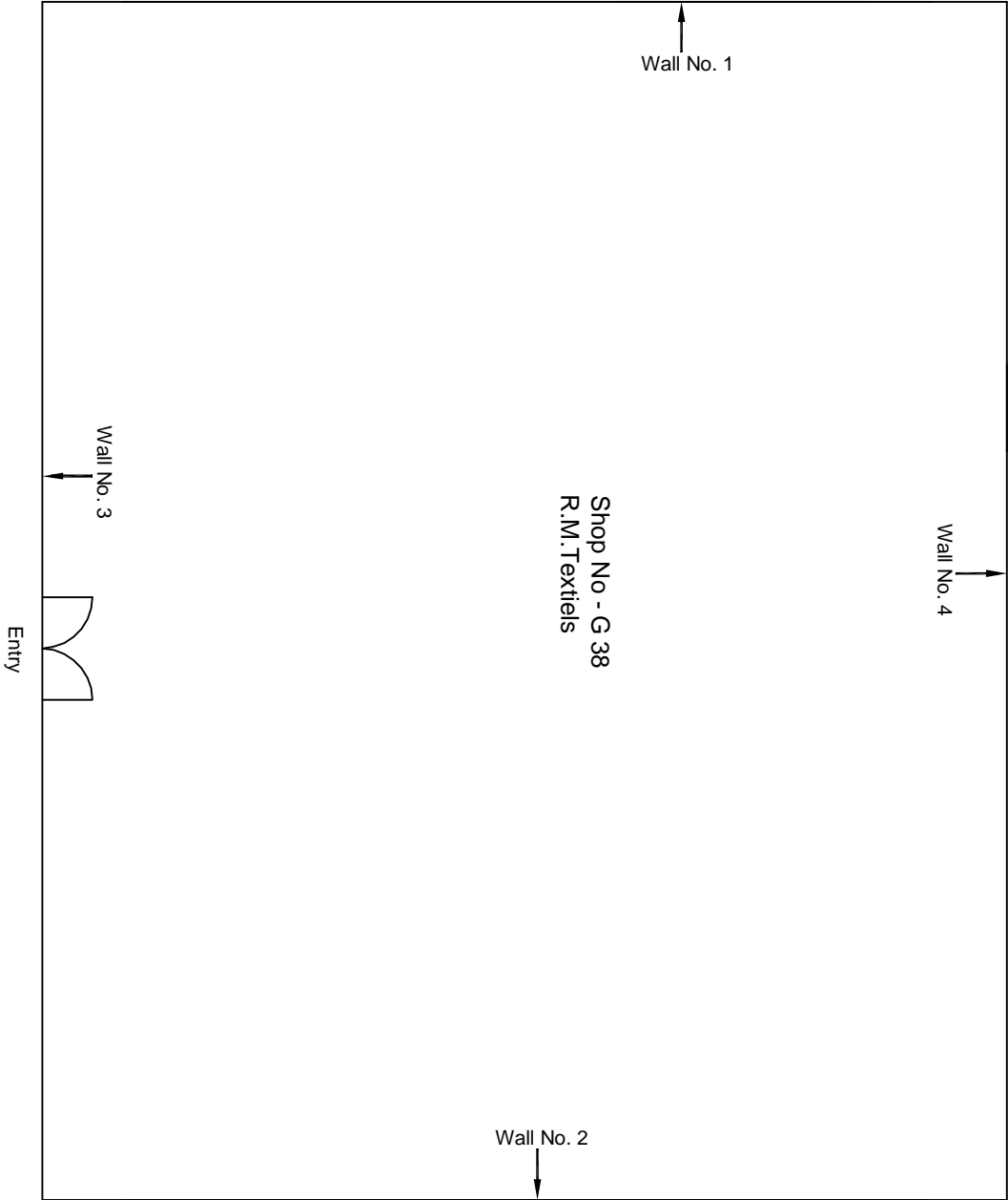
Photo 10

Covered With Materials, All Walls of Shop No. G-36 Vaibhav Gota Zari, Ground Floor



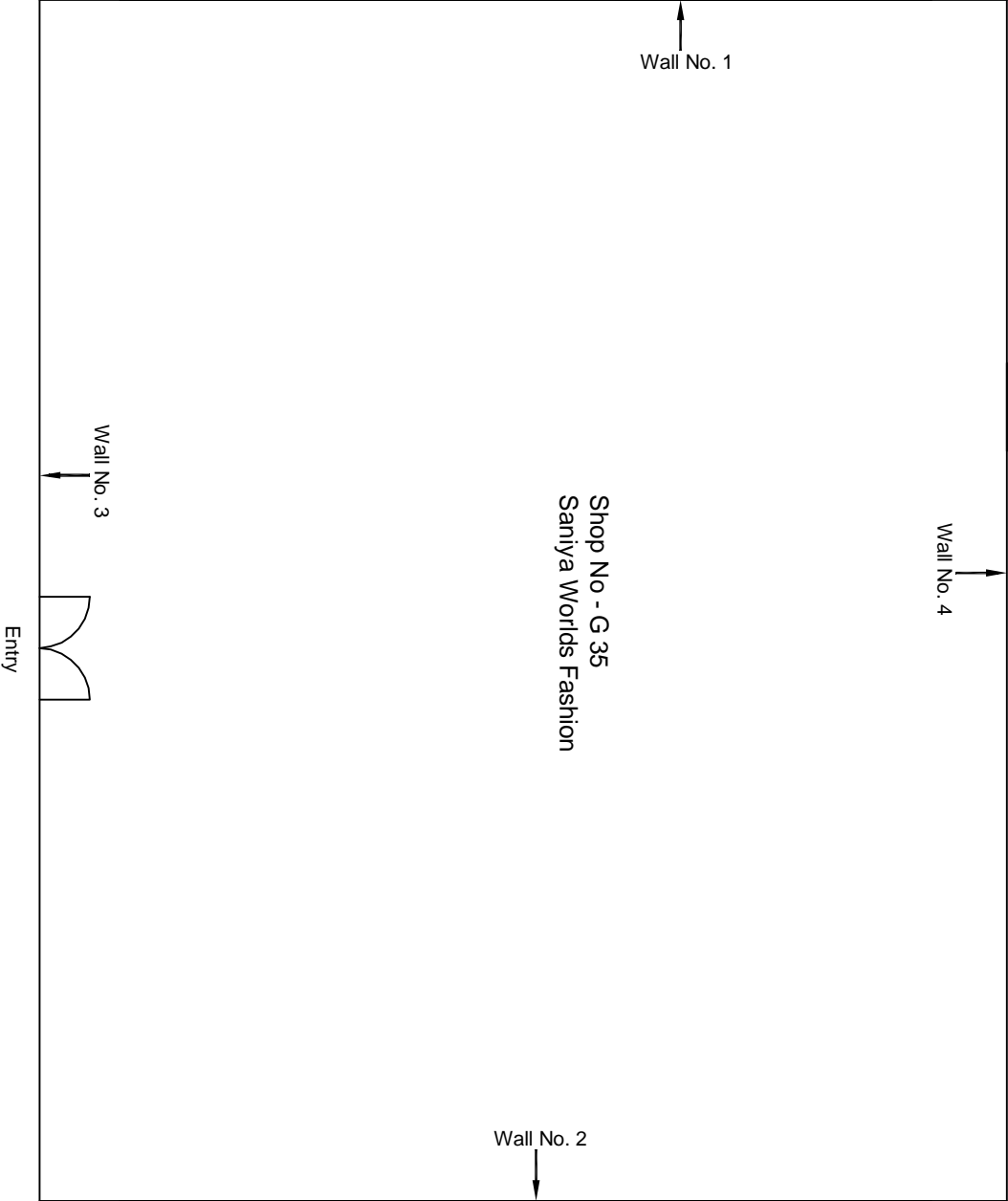
Photo 11

Covered With Materials, All Walls of Shop No. F-11, All in One, First Floor



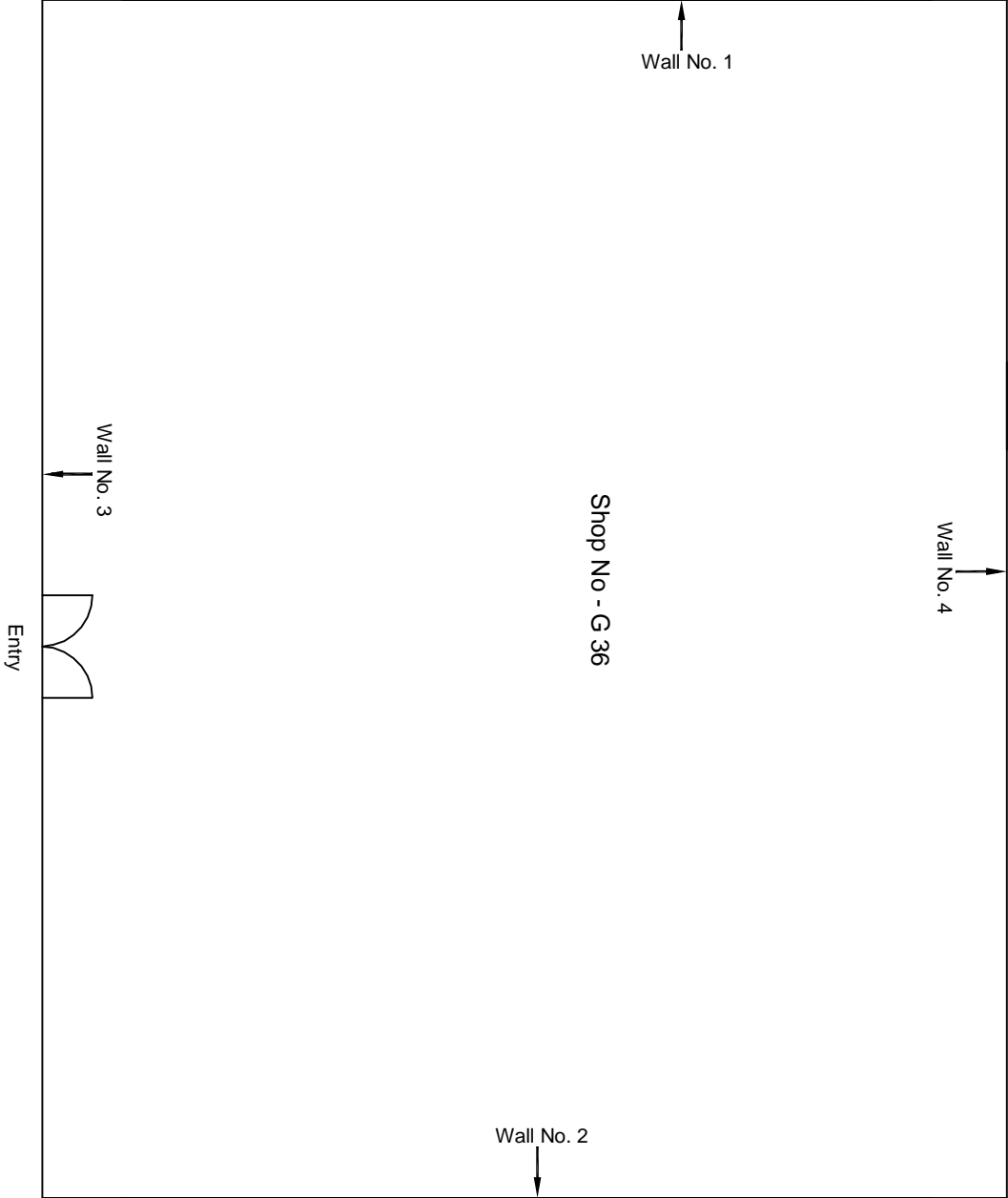
Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B				
00			NP	Dr. PRC	16.11.2013			DRAWING TITLE: Ground Floor Plan of Shop No G 38 ManiRan Ji Ki Kothi, Ramganj Bazaar	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DL-0074/27 /01	REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date						



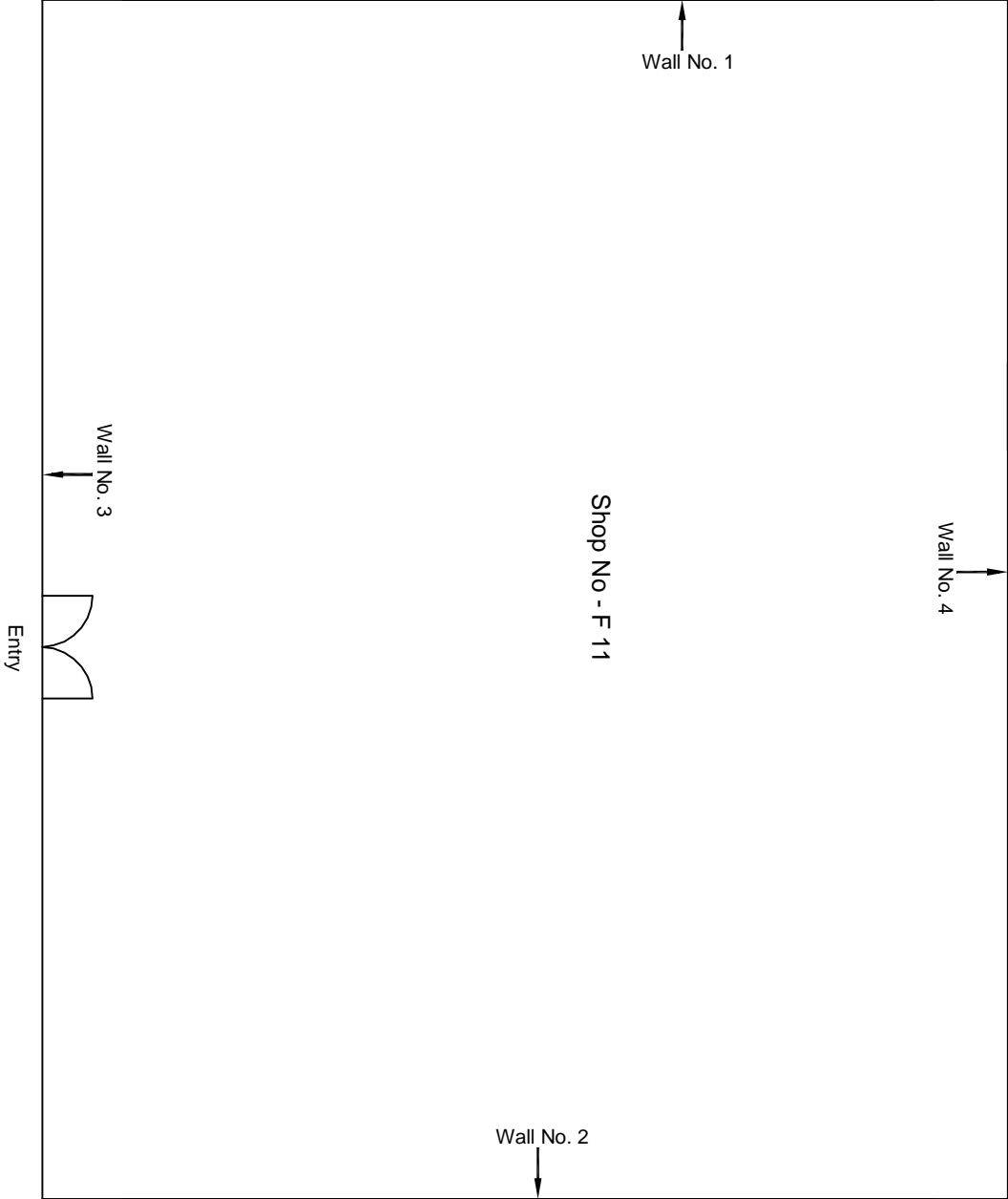
Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B			
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B			DRAWING TITLE:	DRAWING NO.:	REVISION:
									Ground Floor Plan of Shop No G 35 Saniya Worlds Fashion Mani Ram Ji Ki Kothi, Ramganj Bazaar	AIMIL/ESG/12315/BC-RA-DL-0074/30/01	SCALE:
00		NP	Dr. PRC	16.11.2013					Not to Scale		
Revision	Description of Revision	Drawn By	Approved By	Date							



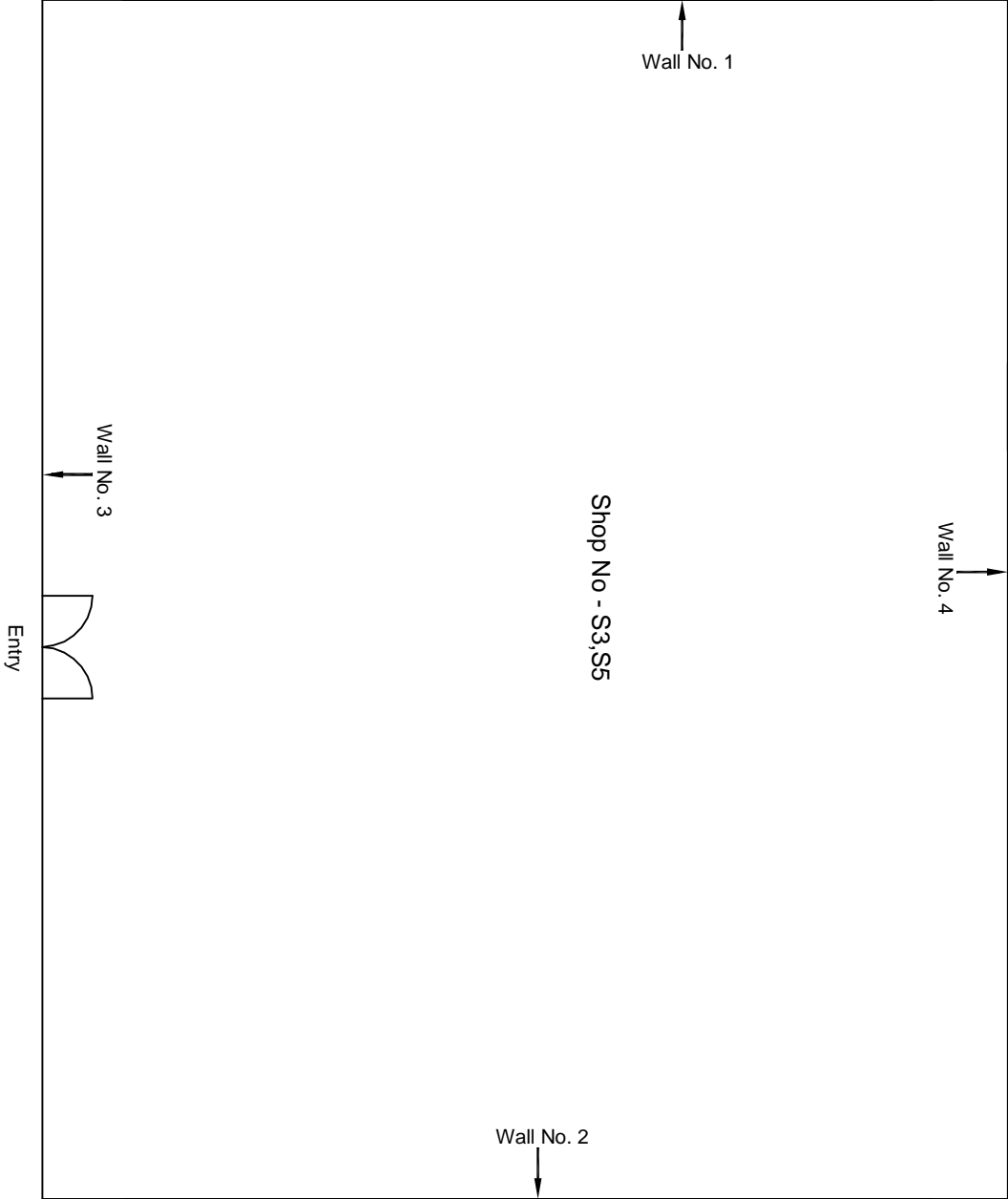
Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B			
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B					
00		NP	Dr. PRC	16.11.2013							
Revision	Description of Revision	Drawn By	Approved By	Date				DRAWING TITLE: Ground Floor Plan of Shop No G 36 Mani Ram Ji Ki Kothi, Ramganj Bazaar	DRAWING NO.: AIMIL/ESG/12315/BC-RA-DL-0074/31/01	SCALE: Not to Scale	REVISION: R0



Ground Floor Plan

						CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
						CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B			
00		NP	Dr. PRC	16.11.2013						
Revision	Description of Revision	Drawn By	Approved By	Date						
					DRAWING TITLE: First Floor Plan of Shop No F-11 Mani Ram Ji Ki Kohli, Ranganj Bazaar				DRAWING NO.: AIMIL/ESG/12315/BC-RA-DL-0074/71 /01	REVISION: R0
					SCALE: Not to Scale					



Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B				
00			NP	Dr. PRC	16.11.2013			DRAWING TITLE: Second Floor Plan of Shop No S3, S5 Wani Rain Ji Ki Kothi, Ramganj Bazaar	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DL-0074/100 /01	REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date						



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line



Shop No. 111, B8&B9,216, 208,209 & 320
H.No.223,Rasta Thakur Pachewar,Ramganj Bazar
Jaipur
Unique ID:BC-RA/DL/0075

Report Number: AIMIL/ESG/JMCEC/BC-RA/DL/0075/B/8,B/9,G(12),FF/03,FF/20 & SF/18/01, Rev. 00, Dated: July 2014

Building Owner
Contractor

Various Owners
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited





Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Table of Contents

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8	Summary of Defects other than Cracks	5
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10	Defect Photographs	
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Introduction

The Jaipur Metro Rail is being constructed to provide the city of Jaipur with a modern and technologically advanced Transit System, to provide a safe and well connected means of transport that reduces traffic congestion. The project consists of two corridors with underground and elevated sections.

The construction of underground rail and road infrastructures in metropolitan and cosmopolitan cities are mostly through developed area under challenging soil conditions.

The alignment of structure is passing through densely inhabited areas, many structures are falling in the zone of influence of construction activities. It is required to carry out the pre-condition survey of those structures. The scope of work of this survey includes carrying out pre-condition survey of those structures.

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/6/2014	
2	AIMIL Representative	<i>MOND. SHARMA</i>	
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		



Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 5 floors and a Basement. The structure was constructed in year 1985 & 29 Years Old.

There are 0 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

Category	Number of Cracks	% of Total Cracks	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	0	0%	Not Required
Slight (1 to 5mm)	0	0%	Not Required
Moderate (5 to 15mm)	0	0%	Not Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
BC-RA/DL/0075/B/08	Shop No.B8 ,Al-Fareed Collection	Mr. Mohd. Imran	
BC-RA/DL/0075/B/09	Shop No.B9,Al-Fareed Collection	Mr. Mohd. Imran	
BC-RA/DL/0075/12(G)	Shop No. 111, F.M.Lungi Centre	Mr. Fakir Mohd.	
BC-RA/DL/0075/FF/03	Shop No. 216,Manisha Textiles Godown	Mrs. Manisha	
BC-RA/DL/0075/FF/20	Shop No. 208 & 209,Azizuddin Advocate	Mr. Azizuddin	
BC-RA/DL/0075/SF/18	Shop No.320,Galaxy Gems & Enterprises	Mr. Ahmad Ali	

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Project Details		
S. No.	Head	Particulars
1	Project	Jaipur Metro Rail Project
2	Section	Chandpole to Bari Chaupar
3	Client	JMRC Limited
4	Consultant	DMRC Limited
5	Contractor	CEC
6	Design Consultant of Contractor	Omikron Kappa - Indus Consultrans JV
7	Sub-Contractor	AIMIL Limited
8	Subject	Pre-Condition Survey Report

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 111, B8,B9,216, 208,209 & 320
2	Building Address	H.No.223,Rasta Thakur Pachewar,Ramganj Bazar
3	Year of Construction	1985
4	Number of Floors	B+G+4
5	Number of Basements	Not Known
6	Type of Building	Commercial
7	Approximate Height	15m
8	Approximate Area	Not Known
9	Age of Building	29Years
10	Type of Structure	RCC
11	Type of Foundation	Not Known
12	Number of Bore Wells	Not Known
13	Depth and Diameter of Bore	N.A
14	Roadways	One Sides
15	Presence of Equipment/Machines	None



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Badi Chouper and reversal line

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	All Walls of Shop No. B-08 & 09, Al-Fareed Collection, Basement	Covered with Materials	8
2	All Walls of Shop No. B-08 & 09, Al-Fareed Collection, Basement	Covered with Materials	9
3	All Walls of Shop No.111, F.M.Lungi Centre, Ground Floor	Covered with Materials	10
4	All Walls of Shop No. 216,Manisha Textiles Godown,First Floor	Covered with Materials	11



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from from Chandpole to Badi Chouper and reversal line



Photo 1

Front View of Shop No.B 8 & B9,Al-Fareed Collection,Basement



Photo 2

Front View of Shop No. 111, F.M.Lungi Centre,Ground Floor



Photo 3

Front View of Shop No. 216,Manisha Textiles Godown, First Floor



Photo 4

Front View of Shop No. 208 & 209,Azizuddin Advocate, First Floor



Photo 5

General View of Shop No. 208 & 209,Azizuddin Advocate, First Floor



Photo 6

Front View of Shop No.320,Galaxy Gems & Enterprises, Second Floor



JAIPUR METRO Jaipur Metro Rail Corporation

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Bari Chouper and reversal line

Pre - Condition Building Survey for Construction of Underground Stations from Chandpole to Badi Chouper and reversal line



Photo 7

General View of Shop No.320, Galaxy Gems & Enterprises, Second Floor



Photo 8

Covered With Materials, All Walls of Shop No. B-08 & 09, Al-Fareed Collection, Basement



Photo 9

Covered With Materials, All Walls of Shop No. B-08 & 09, Al-Fareed Collection, Basement



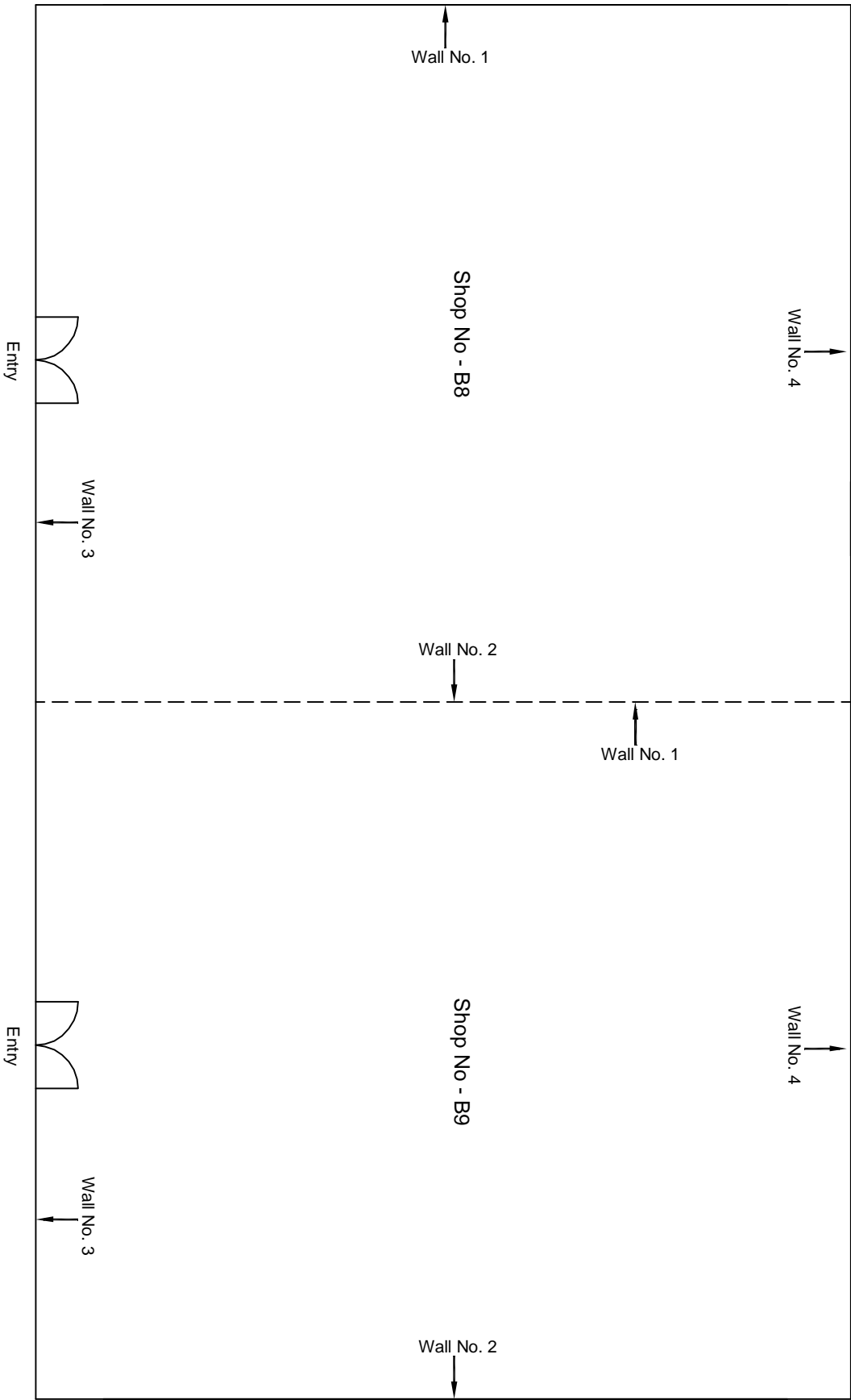
Photo 10

Covered With Materials, All Walls of Shop No.111, F.M.Lungi Centre, Ground Floor



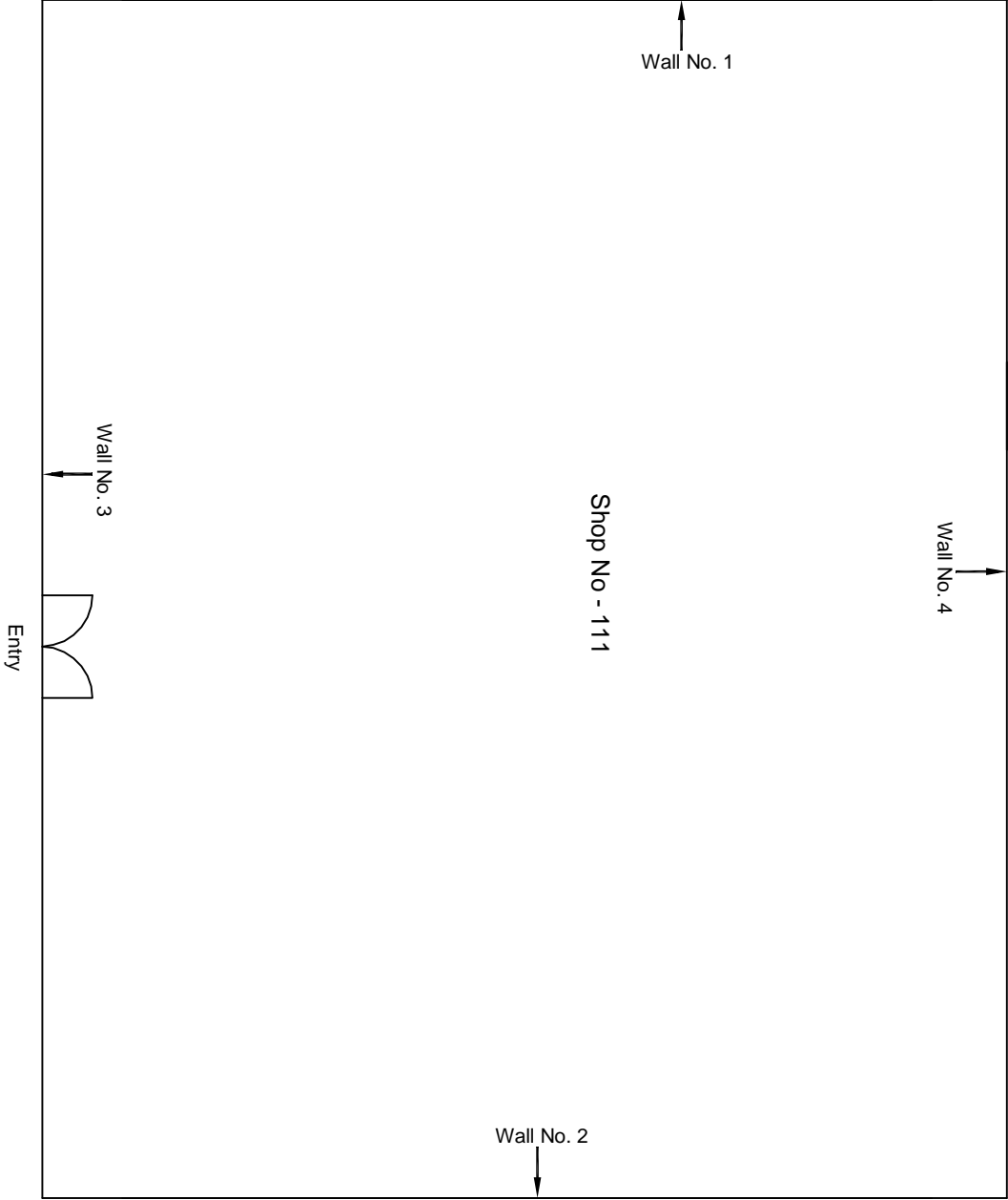
Photo 11

Covered With Materials, All Walls of Shop No. 216, Manisha Textiles Godown, First Floor



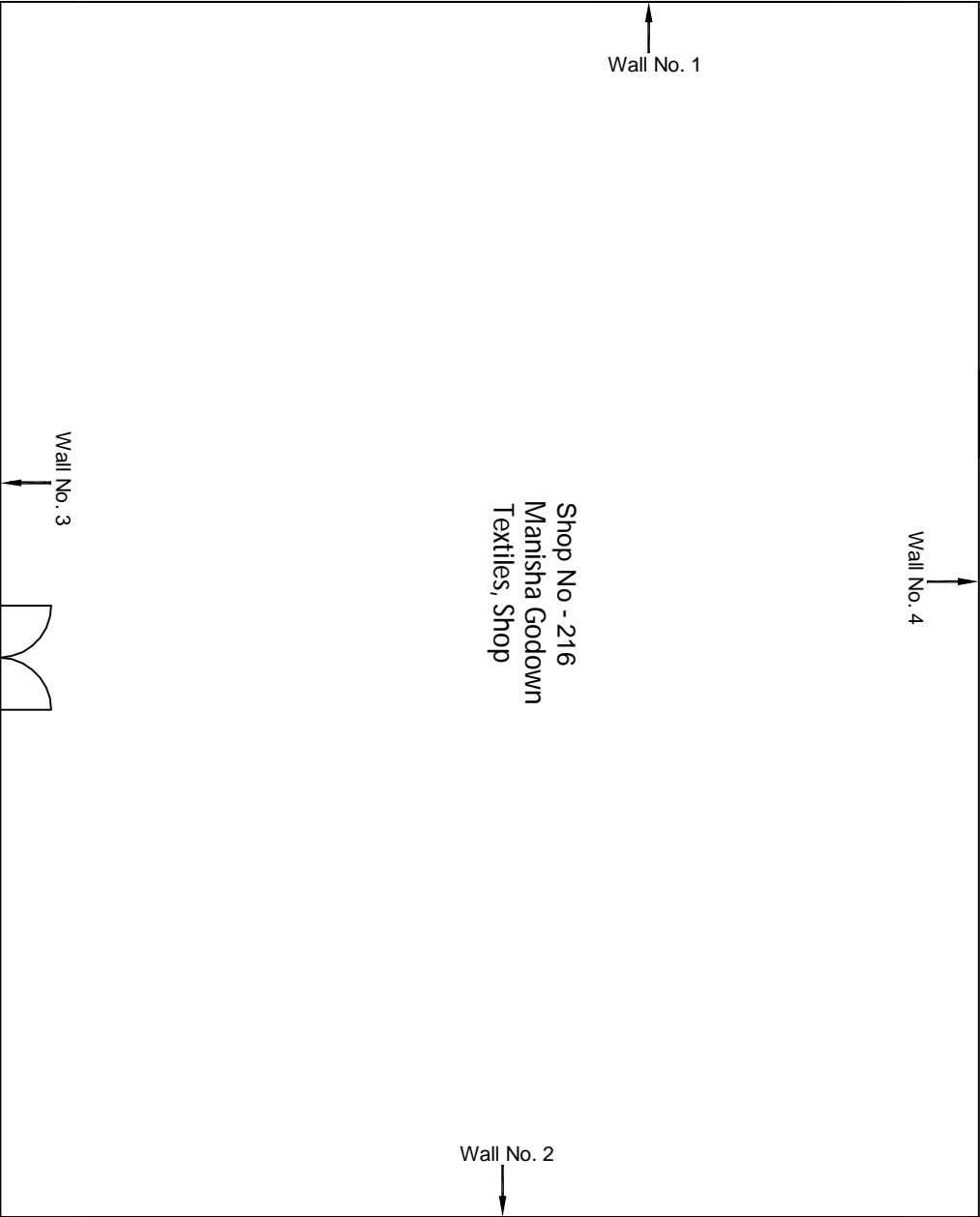
Basement Floor Plan

					CONSULTANT:	MAIN CONTRACTOR:	SUB-CONTRACTOR:	PROJECT TITLE:		
					OMIKRON KAPPA-INDUS	CEC	AIMIL LIMITED	Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CONSULTRANS JV					
					CLIENT:	CONTRACT:		DRAWING TITLE:		
					DMRC/JMRC	Jaipur Metro Phase 1B		Basement Floor Plan of Shop No - B8/B9		
00		NP	Dr. PRC	16.11.2013				AIMIL/ESG/12315/ BC-RA-DL-0075/B8/B9 /01		
								SCALE:		
								Not to Scale		
								REVISION:		
								R0		
Revision	Description of Revision	Drawn By	Approved By	Date						



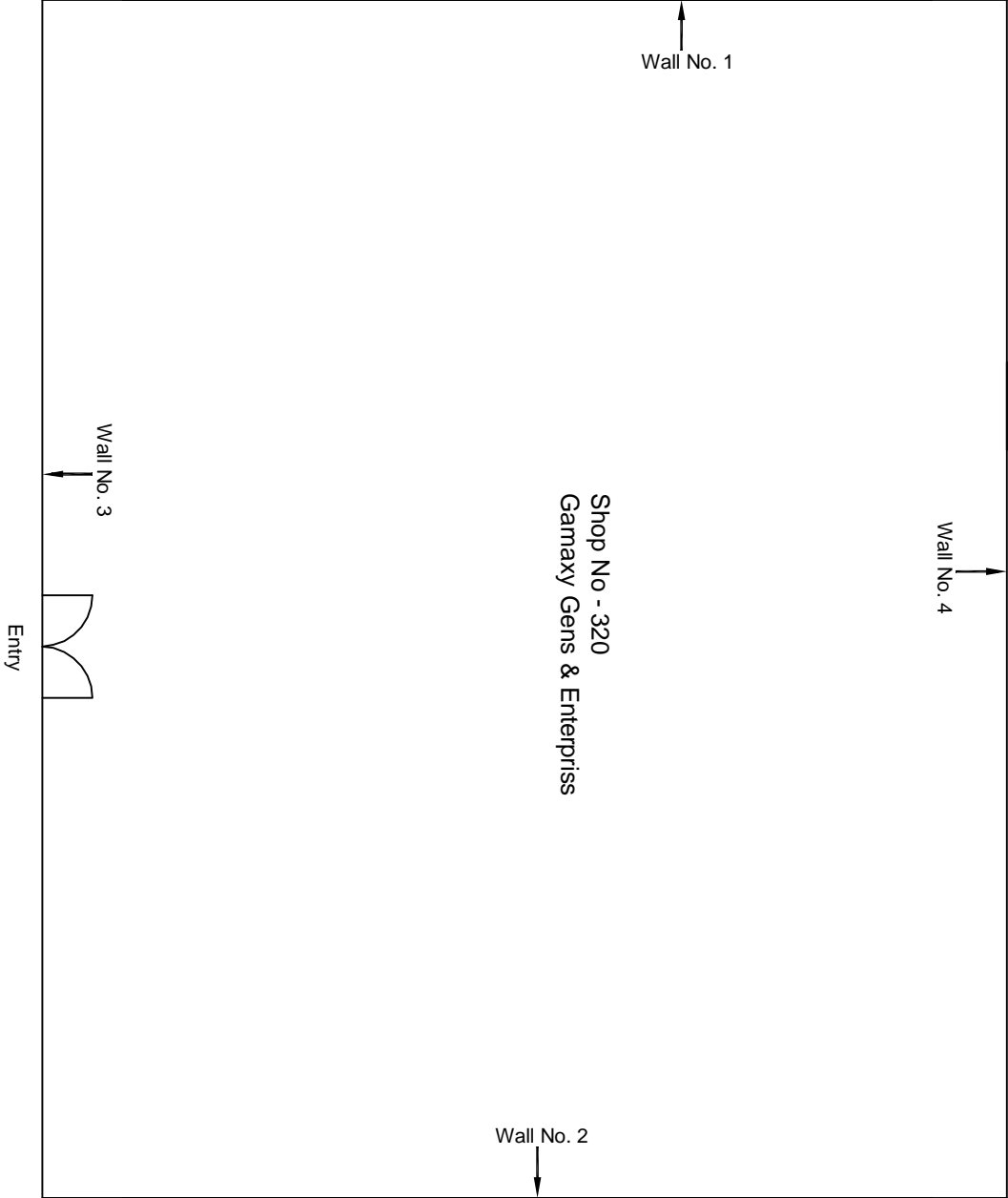
Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B		
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B				
00		NP	Dr. PRC	16.11.2013						
Revision	Description of Revision	Drawn By	Approved By	Date				DRAWING TITLE: Ground Floor Plan of Shop No 111 Rasta Thakur Pachewar, Ramganj Bazar	DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DL-0075/12 G/ 01	REVISION: R0
								SCALE: Not to Scale		



First Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: First Floor Plan of Shop No 216 Rasta Thakur Pachewar, Ramganj Bazar
00		NP	Dr. PRC	16.11.2013				DRAWING NO.: AIMIL/ESG/12315/ BC-RA-DL-0075/FF 3/01
								SCALE: Not to Scale
								REVISION: R0
Revision	Description of Revision	Drawn By	Approved By	Date				



Second Floor Plan

						CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
						CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Second Floor Plan of Shop No 320 Rasta Thakur Pachewar, Ramganj Bazar	
00		NP	Dr. PRC	16.11.2013					DRAWING NO.: AIMIL/ESG/12315/ BC-R-A-DL-0075/SF/18/01	
Revision	Description of Revision	Drawn By	Approved By	Date					SCALE: Not to Scale	REVISION: R0