Volume 1

Pre Building Condition Survey Report

Name and Address of Structure :	Chand Pole Station Area

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 :	VUV	Continental Engineering Corporation	
Survey Agency :	Aimil I Instrumentation	tion & Technologies	

Pre Building Condition Survey Report Chand Pole to Choti Chopar (UP Line)

Sl. No.	Building No.
1	CP 0001
2	CP 0002
3	CP 0003
4	CP 0005
5	CP 0006
6	CP 0007
7	CP 0008
8	CP 0009
9	CP 0010
10	CP 0011
11	CP 0012
12	CP 0013
13	CP 0014
14	CP 0015
15	CP 0016
16	CP 0017
17	CP 0018
18	CP 0019
19	CP 0020



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



Mandir Sh. Bhomia Ji Maharaj Chandpole Gate Jaipur Unique ID: CP 0001

Report Number: AIMIL/ESG/JMCEC/CP 0001/01, Rev. 00, Dated: Novemeber 2013

Building Owner Contractor Sh. Radhey Shyam Sharma CEC

Client Sub-Contractor JMRC Limited AIMIL Limited







o Jaipur Metro Rail Corporation

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

Table of Contents				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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 inhabitated 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	14/11/2013	
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 from Chandpole to Bari Chouper and reversal line

About the Structure

The structure under consideration is a Sigle Story Load Bearing Structure. The structure was constructed in year 1313 and is 700 years old.

There are 12 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
Negligible (< 0.1mm)	0
Very Slight (0.1 to 1mm)	2
Slight (1 to 5mm)	0
Moderate (5 to 15mm)	0
Severe (15 to 25mm)	0
Very Severe (>25mm)	0

The average width of cracks is 0.22mm and average length of cracks is 1.65m. The maximum crack width is 0.25mm and minimum width is 0.2mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
CP/0001	Temple Sh. Bhomia Ji Maharaj		







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

Project Det	ails	
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 Bu	ilding Details (As informed verbally by Building C	Dwner)
S. No.	Head	Particulars
1	Building Name	Temple Sh. Bhomia Ji Maharj
2	Building Address	Temple Sh. Bhomia Ji Maharaj Chandpole Parkota, Jaipur
3	Year of Construction	1313
4	Number of Floors	G
5	Number of Basements	None
6	Type of Building	Commercial
7	Approximate Height	3.3m
8	Approximate Area	50 Sq. Yard

700 years

Not Known

None

None

None

One Side

Load Bearing Structure



9

10

11

12 13

14

15

Age of Building

Roadways

Type of Structure

Type of Foundation

Number of Bore Wells

Depth and Diameter of Bore

Presence of Equipment/Machines





	Summary of Cracks					
Defect ID Location Orientation Appx. Width Appx. Length (mm) (m) Categor					Category	Photo No.
1	Wall No. 4 Temple Sh. Bhomia Ji Maharaj Ground Floor	Horizontal	0.25	1.3	Very Slight	5
2	Roof Temple Sh. Bhomia Ji Maharaj Ground Floor	Horizontal	0.2	2	Very Slight	8

Summary of Defects Other Than Crack			
Defect ID	Location	Description	
3	Front Shed Temple Sh. Bhomia Ji Maharaj	Dampness/Seepage	2
4	External Wall No. 3 Temple Sh. Bhomia Ji Maharaj	Peeling of Plaster	3
5	Wall No. 2 Temple Sh. Bhomia Ji Maharaj	Peeling of Plaster	4
6	Roof Temple Sh. Bhomia Ji Maharaj	Peeling of Plaster	6
7	Wall No. 4 Temple Sh. Bhomia Ji Maharaj Stair Area	Dampness/Seepage	7
8	External Wall No. 2 Temple Sh. Bhomia Ji Maharaj	Peeling of Plaster	10
9	External Wall No. 2 Temple Sh. Bhomia Ji Maharaj	Peeling of Plaster	11
10	External Wall No. 2 Temple Sh. Bhomia Ji Maharaj	Peeling of Plaster	12

Summary of Areas that Could not be Surveyed				
Serial No.	Location	Description	Photo No.	
11	External Wall No. 2 Temple Sh. Bhomia Ji Maharaj	Demaged	9	
12	External Wall Temple Sh. Bhomia Ji Maharaj	Demaged	15	









Photo 1 View of Temple Sh. Bhomia Ji Maharaj



Photo 2 Dampness/Seepage on Front Shed of Temple Sh. Bhomia Ji Maharaj





Photo 3 Peeling of Plaster on External Wall No. 3 of Temple Sh. Bhomia Ji Maharaj



Photo 5 Horizontal Crack on Wall No. 4 of Temple Sh. Bhomia Ji Maharaj, Approx. Width = 0.25mm, Approx. Length = 1.3m. Distance from Wall No. 1 = 0m, Height from Floor = 0.2m.



Photo 4 Peeling of Plaster on Wall No. 2 of Temple Sh. Bhomia Ji Maharaj



Photo 6 Peeling of Plaster on Roof of Temple Sh. Bhomia Ji Maharaj







Photo 7 Dempness/Seepage on Wall No. 4 of Staircase Area Temple Sh. Bhomia Ji Maharaj



14 11 2013

Photo 8 Horizontal Crack on Roof of Temple Sh. Bhomia Ji Maharaj, Approx. Width = 0.2mm, Approx. Length = 2m. Distance from Wall No. 3 = 0m, Height from Floor = 2.5m.



Photo 9 Demage External Wall No. 2 of Temple Sh. Bhomia Ji Maharaj



Photo 11 Peeling of Plaster on External Wall No. 2 of Temple Sh. Bhomia Ji Maharaj



Photo 10 Peeling of Plaster on External Wall No. 2 of Temple Sh. Bhomia Ji Maharaj



Photo 12 Peeling of Plaster on External Wall No. 2 of Temple Sh. Bhomia Ji Maharaj







Photo 13 General View of Temple Sh. Bhomia Ji Maharaj



Photo 14 View of Temple Sh. Bhomia Ji Maharaj



Photo 15 External Wall of Temple Sh. Bhomia Ji Maharj Demaged







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



Shop No. 13 Chandpole Gate Jaipur Unique ID: CP 0002

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

Building Owner Contractor Shri Ramkarn Ji CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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 inhabitated 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	14/11/2013	
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 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 1968 and is 45 years old.

There are 2 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 III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	1	50%
Slight (1 to 5mm)	0	0%
Moderate (5 to 15mm)	1	50%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 2.75mm and average length of cracks is 3.5m. The maximum crack width is 5mm and minimum width is 0.5mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
CP-0002			







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. 13		
2	Building Address	Shop No. 13 Chandpole Gate Jaipur		
3	Year of Construction	1968		
4	Number of Floors	G		
5	Number of Basements	None		
6	Type of Building	Commercial		
7	Approximate Height	3.5		
8	Approximate Area	20 Sq. Yd.		
9	Age of Building	45 years		
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		







Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. Outer Wall Shop No. 13 Ground floor	Inclined	5	3.5	Moderate	3
2	Wall No. Outer Wall, 2 & 4 Shop No. 13 Ground floor	Horizontal	0.5	3.5	Very Slight	4

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

Summary of Areas that Could not be Surveyed				
Serial No.	Serial No. Location Description Photo N			
1	All Walls Shop No. 13 Ground floor	Covered With Tiles	5	
2	All Walls Shop No. 13 Ground floor	Covered With Tiles	6	







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



Photo 1



Photo 2 Bhojnalya, Ground floor





Photo 3 Inclined Crack on Wall No. Outer Wall of Shop No. 13, Ground floor Approx. Width = 5mm, Approx. Length = 3.5m. Distance from W3 = 0.7m, Height from Floor = 3m.



Photo 5 All Walls of Shop No. 13 of Ground floor Covered With Tiles

Photo 4 Horizontal Crack on Wall No. Outer Wall, 2 & 4 of Shop No. 13, Ground floor Approx. Width = 0.5mm, Approx. Length = 3.5m. Distance from Corner = 0.6m, Height Floor = 3.5m.



Photo 6 All Walls of Shop No. 13 of Ground floor Covered With Tiles



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



Shops Sanjay Circle, Chandpole Gate Jaipur Unique ID: CP 0003

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

Building Owner Contractor Various Owner 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			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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	14/11/2013	
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 1913 and is 100 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	
CP-0003/1				
CP-0003/3				







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 1-4,	
2	Building Address	Sanjay Circle Chanpol gate Jaipur	
3	Year of Construction	1913	
4	Number of Floors	G	
5	Number of Basements	None	
6	Type of Building	Commercial	
7	Approximate Height	4m	
8	Approximate Area	None	
9	Age of Building	100 years	
10	Type of Structure	Load Bearing Structure	
11	Type of Foundation	None	
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.

	Summary of Defects Other Than Crack				
Defect ID	Location	Description	Photo No.		
1	Wall No.3& OuterWall Mashoor Lala Ram Pakodi Wale Ground Floor	Peeling of Plaster	4		
2	Wall No. 3 & OuterWall Mashoor Lala Ram Pakodi Wale Ground Floor	Damaged Portion	5		
3	Wall No. 1, 5 & 4 Mashoor Lala Ram Pakodi Wale Ground Floor	Dampness/Seepage	6		
4	Wall No. 5 & 4 Mashoor Lala Ram Pakodi Wale Ground Floor	Peeling of Plaster	7		
5	Wall No.3 & Outer Wall Ravi Shankar Juice Wala Ground Floor	Dampness/Seepage	8		
6	Wall No.3 & Outer Wall Ravi Shankar Juice Wala Ground Floor	Peeling of Plaster	9		
7	Wall No. 1 Kiran Juice Centre Ground Floor	Peeling of Plaster	10		
8	Roof Kiran Juice Centre Ground Floor	Peeling of Plaster	11		
9	Wall No.3 & Outer Wall Kiran Juice Centre G. Floor	Peeling of Plaster	12		
10	All Wall Kiran Juice Centre Basement	Dampness/Seepage	13		

Summary of Areas that Could not be Surveyed				
Serial No. Location Description Pho				
1	Wall No. 4 Ravi Shankar Juice Wala Ground Floor	Locked	14	







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 Lala Ram Pakodi Wale, Ground Floor





Photo 4

Peeling of Plaster on Wall No.3 & OuterWall of Mashoor Lala Ram

Pakodi Wale of Ground Floor

Photo 3 View of Shop Kiran Juice Centre, Ground Floor



Photo 5 Damaged Portion on Wall No.3 & OuterWall of Mashoor Lala Ram Pakodi Wale of Ground Floor



Photo 6 Dampness/Seepage on Wall No. 1, 5 & 4 of Mashoor Lala Ram Pakodi Wale of Ground Floor











 Photo 7
 Photo 8

 Peeling of Plaster on Wall No. 5 & 4 of Mashoor Lala Ram Pakodi Wale
 Dampness/Seepage on Wall No.3 & Outer Wall of Ravi Shankar Juice of Ground Floor

 Wala of Ground Floor
 Wala of Ground Floor





Photo 9 Peeling of Plaster on Wall No.3 & Outer Wall of Ravi Shankar Juice Wala of Ground Floor



Photo 1 Peeling of Plaster on Roof of Kiran Juice Centre of Ground Floor



Photo 12 Peeling of Plaster on Wall No.3 & Outer Wall of Kiran Juice Centre of Ground Floor





Photo 10 Peeling of Plaster on Wall No. 1 of Kiran Juice Centre of Ground Floor





Photo 13 Dampness/Seepage on All Wall of Kiran Juice Centre of Basement



Photo 14 Wall No. 4 of Ravi Shankar Juice Wala of Ground Floor Locked



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



Sheesh Mahal Hotel Sanjay Circle,Chandpole Gate Jaipur Unique ID: CP 0005

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

Building Owner Contractor Mr. Raj Kumar 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				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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	14/11/2013	
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 & a Basement. The structure was constructed in year 1998 and is 15 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	
CP/0005-1				
CP/0005-FF-TF				







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.5,Sheesh Mahal Hotel	
2	Building Address	Shish Mahal Hotel, Sanjay Circle, Chandpole Gate Jaipur	
3	Year of Construction	1998	
4	Number of Floors	B+G+1	
5	Number of Basements	None	
6	Type of Building	Commercial	
7	Approximate Height	6m	
8	Approximate Area	Not Known	
9	Age of Building	15 years	
10	Type of Structure	RCC Column	
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.

Summary of Defects Other Than Crack				
Defect ID	Location	Description	Photo No.	
1	Outer Wall No.3 Sheesh Mahal Hotel Ground Floor	Peeling of Plaster	2	
2	Outer Wall No.3 Sheesh Mahal Hotel Ground Floor	Dampness/Seepage	3	
3	Wall No. 4 Sheesh Mahal Hotel Ground Floor	Peeling of Plaster	4	
4	Wall No. 4 Sheesh Mahal Hotel First Floor	Dampness/Seepage	5	
5	Wall No. 1 Sheesh Mahal Hotel First Floor	Dampness/Seepage	6	
6	Wall No. 2 & 3 Sheesh Mahal Hotel First Floor	Dampness/Seepage	7	
7	Roof Sheesh Mahal Hotel First Floor	Dampness/Seepage	8	

Summary of Areas that Could not be Surveyed				
Serial No.	Location	Description	Photo No.	
1	Sheesh Mahal Hotel Basement	Locked	9	
2	All Walls Sheesh Mahal Hotel Ground Floor	Covered With Tiles	10	
3	All Walls Sheesh Mahal Hotel First Floor	Covered With Tiles	11	









Photo 1 View of Shop Sheesh Mahal Hotel



Photo 2 Peeling of Plaster on Outer Wall No.3 of Sheesh Mahal Hotel of Ground Floor





Photo 3 Dampness/Seepage on Outer Wall No.3 of Sheesh Mahal Hotel of Ground Floor

Photo 4 Peeling of Plaster on Wall No. 4 of Sheesh Mahal Hotel of Ground Floor





Photo 5 Dampness/Seepage on Wall No. 4 of Sheesh Mahal Hotel of First Floor Dampness/Seepage on Wall No. 1 of Sheesh Mahal Hotel of First Floor








Photo 7 Dampness/Seepage on Wall No. 2 & 3 of Sheesh Mahal Hotel of First Floor



Photo 8 Dampness/Seepage on Roof of Sheesh Mahal Hotel of First Floor





Photo 9 Sheesh Mahal Hotel of Basement Locked



Photo 1 All Walls of Sheesh Mahal Hotel of First Floor Covered With Tiles

Photo 10 All Walls of Sheesh Mahal Hotel of Ground Floor Covered With Tiles



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



Shop No. 6, Neel Kamal Communication Sanjay Circle, Chandpole Bazar Jaipur Unique ID: CP 0006

Report Number: AIMIL/ESG/JMCEC/CP 0006/01, Rev. 00, Dated: December 2013

Building Owner Contractor Mrs. Batul Begum CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	14/11/2013	
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 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 2003 and is 10 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
CP/0006-1	Shop No. 6, Neel Kamal Communication		
CP/0006-FF-SF			







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 Bui	General Building Details (As informed verbally by Building Owner)			
S. No.	Head	Particulars		
1	Building Name	Shop No. 6, Neel Kamal Communication		
2	Building Address	Neel Kamal Communication Sanjay Circle, Chandpole Bazar Jaipur		
3	Year of Construction	2003		
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	10 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		







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 Hall No. 1 First Floor	Peeling of Plaster	5	
2	Wall No. 3 Hall No. 1 First Floor	Peeling of Plaster	6	
3	Staircase area FF to SF First Floor	Peeling of Plaster	7	
4	Wall No. 1 Hall No. 1 Second Floor	Peeling of Plaster	8	
5	Wall No. 1, 3 & Corner Hall No. 1 Second Floor	Exposed Reinforcement	9	

Summary of Areas that Could not be Surveyed				
Serial No.	Location	Description	Photo No.	
1	All walls Hall No. 1 First Floor	Covered with Material	10	
2	Wall No. 1 Neel Kamal Communication Ground Floor	Covered with wooden & Material	11	
3	Wall No. 4 Neel Kamal Communication Ground Floor	Covered with wooden & Material	12	
4	Roof Neel Kamal Communication Ground Floor	Covered with Falls Celling	13	
5	Wall No. 2 Neel Kamal Communication Ground Floor	Covered with Glass Work	14	









Photo 1 View of Shop Neel Kamal Communication



Photo 2 View of Hall, Second Floor



Photo 3 View of Terrace, Terrace



Photo 4 View of Toilet, Terrace



Photo 5 Peeling of Plaster on Wall No. 2 of Hall No. 1 of First Floor





Photo 6 Peeling of Plaster on Wall No. 3 of Hall No. 1 of First Floor







Photo 7 Peeling of Plaster on Staircase area FF to SF of First Floor



Photo 8 Peeling of Plaster on Wall No. 1 of Hall No. 1 of Second Floor



Photo 9 Exposed Reinforcement on Wall No. 1, 3 & Corner of Hall No. 1 of Second Floor

Photo 10 All walls of Hall No. 1 of First Floor Covered with Material





 Photo 1
 Photo 12

 Wall No. 1 of Neel Kamal Communication of Ground Floor Covered with wooden & Material
 Wall No. 4 of Neel Kamal Communication of Ground Floor Covered with wooden & Material











Photo 13 Roof of Neel Kamal Communication of Ground Floor Covered with Falls Wall No. 2 of Neel Kamal Communication of Ground Floor Covered with Celling Glass Work



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



Shop No. 7/1, Saurav Mobile & Repair Sanjay Circle, Chandpole Bazar Jaipur Unique ID: CP 0007

Report Number: AIMIL/ESG/JMCEC/CP 0007/01, Rev. 00, Dated: December 2013

Building Owner Contractor Mr. Jitender CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	14/11/2013	
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 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. The structure was constructed in year 2003 and is 10 years old.

There are 10 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 0.38mm and average length of cracks is 1.35m. The maximum crack width is 0.4mm and minimum width is 0.35mm.

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
CP/0007-1	Shop No. 7/1, Saurav Mobile & Repairing Centre		
Cp/0007-FF-SF			







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. 7/1, Saurav Mobile & Repair	
2	Building Address	Sanjay Circle, Chandpole Bazar Jaipur	
3	Year of Construction	2003	
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	10 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	







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	Vertical	0.35	1.8	Very Slight	3, 3A
2	Wall No. 4 Toilet No. 1 Second Floor	Vertical	0.4	0.9	Very Slight	4, 4A

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
3	Wall No. 2 Hall No. 1 First Floor	Dampness/Seepage	5
4	Wall No. 4 Hall No. 1 First Floor	Peeling of Plaster	6
5	Roof Hall No. 1 First Floor	Dampness/Seepage	7
6	Wall No. 3 Hall No. 1 First Floor	Dampness/Seepage	8
7	Wall No. 2 Hall No. 1 Second Floor	Dampness/Seepage	9
8	Wall No. 1 Hall No. 1 Second Floor	Dampness/Seepage	10
9	Wall No. 3 Hall No. 1 Second Floor	Dampness/Seepage	11
10	Wall No. 2 & 4 Toilet No. 1 Second Floor	Dampness/Seepage	12

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 4 Saurabh Mobile Repairing Ground Floor	Covered with Tiles	13
2	Wall No. 1 Saurabh Mobile Repairing Ground Floor	Covered with Material	14
3	Wall No. 2 Saurabh Mobile Repairing Ground Floor	Covered with Glass Work	15
4	Roof Saurabh Mobile Repairing Ground Floor	Covered with Falls Celling	16







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



Photo 1 View of Shop Saurabh Mobile Repairing Solution



Photo 2 View of Roof Tinshed , Second Floor



Photo 3 Vertical Crack on Wall No. 3 of Hall No. 1, First Floor Approx. Width = 0.35mm, Approx. Length = 1.8m. Distance from Wall no.2 = 0.2m, Height from Floor = 0.5m.



Photo 4 Vertical Crack on Wall No. 4 of Toilet No. 1, Second Floor Approx. Width = 0.4mm, Approx. Length = 0.9m. Distance from Wall no.1 = 0.2m, Height from Floor = 1.4m.





Photo 3A Vertical Crack on Wall No. 3 of Hall No. 1, First Floor Approx. Width = 0.35mm, Approx. Length = 1.8m. Distance from Wall no.2 = 0.2m, Height from Floor = 0.5m.



Photo 4A Vertical Crack on Wall No. 4 of Toilet No. 1, Second Floor Approx. Width = 0.4mm, Approx. Length = 0.9m. Distance from Wall no.1 = 0.2m, Height from Floor = 1.4m.





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



Photo 5 Dampness/Seepage on Wall No. 2 of Hall No. 1 of First Floor



Photo 6 Peeling of Plaster on Wall No. 4 of Hall No. 1 of First Floor





Photo 7 Dampness/Seepage on Roof of Hall No. 1 of First Floor



Photo 9 Dampness/Seepage on Wall No. 2 of Hall No. 1 of Second Floor



Photo 8

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

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









14 11 2013

Photo 11 Dampness/Seepage on Wall No. 3 of Hall No. 1 of Second Floor

Photo 12 Dampness/Seepage on Wall No. 2 & 4 of Toilet No. 1 of Second Floor





Photo 13 Wall No. 4 of Saurabh Mobile Repairing of Ground Floor Covered with Tiles





Photo 15 Wall No. 2 of Saurabh Mobile Repairing of Ground Floor Covered with Glass Work



Photo 16 Roof of Saurabh Mobile Repairing of Ground Floor Covered with Falls Celling



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



Shop No. 7/2, Soniya Bangles Sanjay Circle, Chandpole Bazar Jaipur Unique ID: CP 0008

Report Number: AIMIL/ESG/JMCEC/CP 0008/01, Rev. 00, Dated: December 2013

Building Owner Contractor Mr. Abdul Farid CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	14/11/2013	
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 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 2003 and is 10 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
CP/0008-1	Shop No. 7/2, SonIya Bangles		
CP/0008-FF-SF			







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. 7/2, Soniya Bangles	
2	Building Address	Soniya Bangles Sanjay Circle, Chandpole Bazar Jaipur	
3	Year of Construction	2003	
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	10 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.

Summary of Defects Other Than Crack						
Defect ID	Location	Description	Photo No.			
1	Wall No. 1 Hall No. 1 First Floor	Peeling of Plaster	3			
2	Wall No. 2 Hall No. 1 First Floor	Peeling of Plaster	4			
3	Roof, 2 & 4 Staircase FF to SF First Floor	Dampness/Seepage	5			
4	Wall No. 1 Hall No. 1 Second Floor	Dampness/Seepage	6			
5	Wall No. 4 Hall No. 1 Second Floor	Dampness/Seepage	7			
6	Roof Staircase FF to SF Second Floor	Dampness/Seepage	8			

Summary of Areas that Could not be Surveyed					
Serial No.	Location	Description	Photo No.		
1	Roof Sonia Bangels Ground Floor	Covered with Falls Celling	9		
2	Wall No. 2 Sonia Bangels Ground Floor	Covered with Material	10		
3	Wall No. 1 Sonia Bangels Ground Floor	Covered with Material	11		
4	Wall No. 4 Sonia Bangels Ground Floor	Covered with Tiles	12		
5	Wall No. 2 Hall No. 1 Second Floor	Covered with Material	13		
6	Toilet No. 1 Second Floor	Locked	14		









Photo 1 View of Shop Sonia Bangels



Photo 2 View of Roof Tinshed Roof, Second Floor



Photo 3 Peeling of Plaster on Wall No. 1 of Hall No. 1 of First Floor



Photo 5 Dampness/Seepage on Roof, 2 & 4 of Staircase FF to SF of First Floor





Photo 4 Peeling of Plaster on Wall No. 2 of Hall No. 1 of First Floor



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





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



14 11 2013

Photo 7 Dampness/Seepage on Wall No. 4 of Hall No. 1 of Second Floor

Photo 8 Dampness/Seepage on Roof of Staircase FF to SF of Second Floor





<u>Photo 1</u>0

Wall No. 2 of Sonia Bangels of Ground Floor Covered with Material

Photo 9 Roof of Sonia Bangels of Ground Floor Covered with Falls Celling



Photo 11 Wall No. 1 of Sonia Bangels of Ground Floor Covered with Material



Photo 12 Wall No. 4 of Sonia Bangels of Ground Floor Covered with Tiles







JAIPUR METRO Jaipur Metro Rail Corporation



Photo 13 Wall No. 2 of Hall No. 1 of Second Floor Covered with Material



Photo 14 Toilet No. 1 of Second Floor Locked



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



Jai Jagdamba Rajpoot Hotel Sanjay Circle, Chandpole Bazar Jaipur Unique ID: CP 0009

Report Number: AIMIL/ESG/JMCEC/CP 0009/01, Rev. 00, Dated: December 2013

Building Owner Contractor Sh. Mohan Lal CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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 inhabitated 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	14/11/2013			
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 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 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		
CP/0009-1	Shop No. 8, Jai Jagdamba Hotel				
CP/0009-FF-TF					







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)					
Head	Particulars				
Building Name	Jai Jagdamba Rajpoot Hotel				
Building Address	Jai Jagdamba Rajpoot Hotel Sanjay Circle, Chandpole Bazar Jaipur				
Year of Construction	1980				
Number of Floors	G+3				
Number of Basements	None				
Type of Building	Commercial				
Approximate Height	12m				
Approximate Area	Not Known				
Age of Building	33 years				
Type of Structure	Load Bearing Structure				
Type of Foundation	Not Known				
Number of Bore Wells	None				
Depth and Diameter of Bore	N.A				
Roadways	One Side				
Presence of Equipment/Machines	None				
	ding Details (As informed verbally by Building C Head Building Name Building Address Year of Construction Number of Floors Number of Basements Type of Building Approximate Height Age of Building Type of Structure Type of Foundation Number of Bore Wells Depth and Diameter of Bore Roadways Presence of Equipment/Machines				







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 & OuterWall of shop Jai Jagdamba Hotel First Floor	Peeling of Plaster	3				
2	Wall No. 3 & OuterWall of shop Jai Jagdamba Hotel Second Floor	Peeling of Plaster	4				
3	Staircase Area Jai Jagdamba Hotel Ground Floor	Exposed Reinforcement	5				
4	Roof Hall No. 1 First Floor	Peeling of Plaster	6				
5	Wall No. 2 Hall No. 1 Second Floor	Dampness/Seepage	7				
6	Wall No. 1 Hall No. 1 Second Floor	Peeling of Plaster	8				
7	Roof Hall No. 1 Second Floor	Dampness/Seepage	9				
8	Wall No. 1 Hall No. 1 Third Floor	Dampness/Seepage	10				
9	Wall No. 4 Hall No. 1 Third Floor	Dampness/Seepage	11				
10	Wall No. 2 Hall No. 1 Third Floor	Dampness/Seepage	12				

Summary of Areas that Could not be Surveyed						
Serial No.	Location	Description	Photo No.			
1	All Walls Jai Jagdamba Hotel Ground Floor	Covered With Tiles	13			
2	All Walls Hall No. 1 First Floor	Covered with Tiles	14			
3	All Walls Hall No. 1 First Floor		15			









Photo 1 View of Shop Jai Jagdamba Hotel



Photo 2 View of Roof Tinshed,





Photo 3 Peeling of Plaster on Wall No. 3 & OuterWall of shop of Jai Jagdamba Hotel of First Floor

Photo 4 Peeling of Plaster on Wall No. 3 & OuterWall of shop of Jai Jagdamba Hotel of Second Floor



Photo 5 Exposed Reinforcement on Wall No. Staircase Area of Jai Jagdamba Hotel of Ground Floor



Photo 6 Peeling of Plaster on Roof of Hall No. 1 of First Floor









Photo 7 Dampness/Seepage on Wall No. 2 of Hall No. 1 of Second Floor



Photo 8 Peeling of Plaster on Wall No. 1 of Hall No. 1 of Second Floor





Photo 9 Dampness/Seepage on Roof of Hall No. 1 of Second Floor



<u>Photo 1</u>1 Dampness/Seepage on Wall No. 4 of Hall No. 1 of Third Floor



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



Photo 12 Dampness/Seepage on Wall No. 2 of Hall No. 1 of Third Floor







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



Photo 13 All Walls of Jai Jagdamba Hotel of Ground Floor Covered With Tiles

Photo 14 All Walls of Hall No. 1 of First Floor Covered with Tiles

2013



Photo 15 All Walls of Hall No. 1 of First Floor



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



Husain Cycle Works, Billu Hair Dresser Chandpole Gate Jaipur Unique ID: CP 0010

Report Number: AIMIL/ESG/JMCEC/CP 0010/01, Rev. 00, Dated: December 2013

Building Owner Contractor Smt. Asha Devi CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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 inhabitated 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	14/11/2013			
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 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 1968 and is 45 years old.

There are 8 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 0.25mm and average length of cracks is 0.4m. The maximum crack width is 0.25mm and minimum width is 0.25mm.

Building Ownership Details						
Unique ID/Sub ID	Premises Name	Owner	Signatures			
CP/0010-1	Hussain Cycle Works					
CP/0010-2	Billu Hair Saloon					






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 Buil	General Building Details (As informed verbally by Building Owner)			
S. No.	Head	Particulars		
1	Building Name	Husain Cycle Works, Billu Hair Dresser		
2	Building Address	Husain Cycle Works, Billu Hair Dresser Chandpole Gate Jaipur		
3	Year of Construction	1968		
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	45 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	Wall No. 1 Billu Saloon Ground Floor	Vertical	0.25	0.4	Very Slight	4

	Summary of Defects Other Than Crack				
Defect ID	Location	Description	Photo No.		
2	Roof Hussain Cycle Works Ground Floor	Dampness/Seepage	5		
3	Wall No. 1 & 4 Hussain Cycle Works Ground Floor	Dampness/Seepage	6		
4	Wall No. 1 & 4 Hussain Cycle Works Ground Floor	Dampness/Seepage	7		
5	Wall No. 3 & Outside Wall Hussain Cycle Works Ground Floor	Peeling of Plaster	8		
6	Wall No. 3 & Outside Wall Billu Saloon Ground Floor	Peeling of Plaster	9		
7	Wall No. 4 Billu Saloon Ground Floor	Peeling of Plaster	10		
8	Wall No. 3 & Outside Wall Shop Ground Floor	Damaged Portion	11		

	Summary of Areas that Could not be Surveyed					
Serial No.	Serial No. Location Description					
1	Wall No. 2 Billu Saloon Ground Floor	Covered With Glass	12			
2	Shop Ground Floor	View of Locked shop	13			









Photo 1 View of Hussain Cycle Works



Photo 2 View of Partition Wall of Shop, Ground Floor



Photo 3 View of Shop Billu Saloon, Ground Floor



Photo 5 Dampness/Seepage on Roof of Hussain Cycle Works of Ground Floor



Photo 4 Vertical Crack on Wall No. 1 of Billu Saloon , Ground Floor Approx. Width = 0.25mm, Approx. Length = 0.4m. Distance from Wall No.3 = 1.5m, Height from Floor = 2m.



Photo 6 Dampness/Seepage on Wall No. 1 & 4 of Hussain Cycle Works of Ground Floor









Photo 7 Dampness/Seepage on Wall No. 1 & 4 of Hussain Cycle Works of Ground Floor



Photo 8 Peeling of Plaster on Wall No. 3 & Outside Wall of Hussain Cycle Works of Ground Floor





Photo 9 Peeling of Plaster on Wall No. 3 & Outside Wall of Billu Saloon of Ground Floor



Photo 11 Damaged Portion on Wall No. 3 & Outside Wall of Shop of Ground Floor





Photo 10 Peeling of Plaster on Wall No. 4 of Billu Saloon of Ground Floor



 Photo 12

 Wall No. 2 of Billu Saloon of Ground Floor Covered With Glass





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



Photo 13 Shop of Ground Floor View of Locked shop



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



Shop No. 11-12 Shekwat Rajput, Choti Chopar Jaipur Unique ID: CP 0011

Report Number: AIMIL/ESG/JMCEC/CP 0011/01, 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

Table of Contents				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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	14/11/2013		
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 a 2 floors . The structure was constructed in year 1968 and is 45 years old.

There are 14 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 1.5mm and average length of cracks is 1.5m. The maximum crack width is 2mm and minimum width is 1mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0011-1	Shop No. 11, 12 Shekhawat Rajput Dhaba			







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 Buil	General Building Details (As informed verbally by Building Owner)			
S. No.	Head	Particulars		
1	Building Name	Shop No.11,12		
2	Building Address	Shekwat Rajput Choti Chopar		
3	Year of Construction	1968		
4	Number of Floors	G+1		
5	Number of Basements	None		
6	Type of Building	Commercial		
7	Approximate Height	7m		
8	Approximate Area	Not Known		
9	Age of Building	45 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	Wall No. Outer Wall Shop No. 11 & 12 Ground Floor	Vertical	1	2	Slight	3	
2	Wall No. Outer Wall Shop No. 11 & 12 Ground Floor	Inclined	2	1	Slight	4	

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
3	All Walls Bathroom Shop No. 11 & 12, First Floor	Dampness/Seepage	5
4	All Walls Toilet No. 1 Shop No. 11 & 12, First Floor	Dampness/Seepage	6
5	Outer Wall Bathroom Shop No. 11 & 12, First Floor	Dampness/Seepage	7
6	Backside Wall Shop No. 11 & 12 Ground Floor	Damaged Portion	8
7	Backside Wall Shop No. 11 & 12 Ground Floor	Damaged Portion	9
8	Wall No. 2 Part 1 Shop No. 11, Ground Floor	Peeling of Plaster	10
9	Wall No. 1 Part 1 Shop No. 11, Ground Floor	Dampness/Seepage	11
10	Roof Part 1 Shop No. 11, Ground Floor	Dampness/Seepage	12
11	Roof Part 1 Shop No. 11, Ground Floor	Plaster Crack	13
12	Wall No. 3 Part 1 Shop No. 11, Ground Floor	Peeling of Plaster	14
13	Roof Part 2 Shop No. 11, Ground Floor	Dampness/Seepage	15
14	Wall No. 1 Part 2 Shop No. 11, Ground Floor	Peeling of Plaster	16

Summary of Areas that Could not be Surveyed			
Serial No. Location		Description	Photo No.
1	All Walls Shop No. 12 Ground Floor	Covered With Material	17
2	Wall No. 1, 2 & 4 Part 3 Shop No. 11, Ground Floor		18
3	Wall No. 1, 2 & 4 Part 3 Shop No. 11, Ground Floor		19
4	Wall No. 1, 2 & 4 Part 3 Shop No. 11, Ground Floor		20









Photo 1 View of Shop No. 12 Shiv Pan Bhandar



Photo 2 View of Terrace, First Floor



Photo 3 Vertical Crack on Outer Wall of Shop No. 11 & 12, Ground Floor,Approx. Width = 1mm, Approx. Length = 2m.



Photo 5 Dampness/Seepage on All Walls of Bathroom of Shop No. 11 & 12, First Floor





Photo 4 Inclined Crack on Outer Wall of Shop No. 11 & 12, Ground Floor,Approx. Width = 2mm, Approx. Length = 1m.



Photo 6 Dampness/Seepage on All Walls of Toilet No. 1 of Shop No. 11 & 12, First Floor



JAIPUR METRO Jaipur Metro Ra

TRO Jaipur Metro Rail Corporation



Photo 7 Dampness/Seepage on Outer Wall of Bathroom of Shop No. 11 & 12, First Floor



Photo 8 Damaged Portion on Backside Wall of Shop No. 11 & 12 of Ground Floor





Photo 9 Damaged Portion on Backside Wall of Shop No. 11 & 12 of Ground Floor



Photo 11 Dampness/Seepage on Wall No. 1 of Part 1 of Shop No. 11, Ground Floor

Photo 10 Peeling of Plaster on Wall No. 2 of Part 1 of Shop No. 11, Ground Floor



Photo 12 Dampness/Seepage on Roof of Part 1 of Shop No. 11, Ground Floor









Photo 13 Plaster Crack on Roof of Part 1 of Shop No. 11, Ground Floor



Photo 14 Peeling of Plaster on Wall No. 3 of Part 1 of Shop No. 11, Ground Floor





Photo 15 Dampness/Seepage on Roof of Part 2 of Shop No. 11, Ground Floor





Photo 17 All Walls of Shop No. 12 of Ground Floor Covered With Material





Photo 18 Wall No. 1, 2 & 4 of Part 3 of Shop No. 11, Ground Floor







Photo 19 Wall No. 1, 2 & 4 of Part 3 of Shop No. 11, Ground Floor



Photo 20 Wall No. 1, 2 & 4 of Part 3 of Shop No. 11, Ground Floor



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



Shop No. 1-4 Chandpole Gate Jaipur Unique ID: CP 0012

Report Number: AIMIL/ESG/JMCEC/CP 0012/01, 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 from Chandpole to Bari Chouper and reversal line

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	14/11/2013	
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 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 1968 and is 45 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
CP/0012-1			
CP/0012-2	Shekhawat Pan Bhandar		
CP/0012-3	Shiv Pan Bhandar		
CP/0012-4	DCB Bank		
CP/0012-FF			







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 Chandpole Gate Jaipur	
3	Year of Construction	1968	
4	Number of Floors	G	
5	Number of Basements	None	
6	Type of Building	Commercial	
7	Approximate Height	3.5 Mtr.	
8	Approximate Area	20 Sq. Yd.	
9	Age of Building	45 years	
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	







	Summary of Cracks					
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
	Summary of Defect	s Other Than (Crack			-
Defect ID	Location	Description		Photo No.		
-						
	Summary of Areas that Could not be Surveyed					
Serial No.	Serial No. Location Description		Photo No.			
1	1 All Walls Shop No. 12 Ground floor Covered with Wooden		4			
2	2 All Walls DCB Bank ATM Ground floor		5			
3	3 Office Ground floor Locked		6			









<u>Photo 1</u> ATM



Photo 2 Shiv Pan Bhandar, Ground floor



Photo 4 All Walls of Shop No. 12 of Ground floor Covered with Wooden



Photo 6 Office of Ground floor Locked

Photo 3 , Ground floor



Photo 5 All Walls of DCB Bank ATM of Ground floor



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



Temple Chandpole Gate Jaipur Unique ID: CP 0013

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

Building Owner Contractor Pujariji CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	14/11/2013	
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 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 1968 and is 45 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		
CP/0013					







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 Buil	General Building Details (As informed verbally by Building Owner)				
S. No.	Head	Particulars			
1	Building Name	Temple			
2	Building Address	Temple Chandpole Gate Jaipur			
3	Year of Construction	1968			
4	Number of Floors	G			
5	Number of Basements	None			
6	Type of Building	Commercial			
7	Approximate Height	3.0 Mtr.			
8	Approximate Area	10 Sq. Yd.			
9	Age of Building	45 years			
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			







	Summary of Cracks					
Defect ID	Location	Orientation Appx. Width Appx. Length Category (m)				Photo No.
	Summary of Defect	s Other Than (Crack			
Defect ID	Location	Description			Photo No.	
	Summary of Areas that Could not be Surveyed					
Serial No.	Location	Description			Photo No.	









Photo 1 View of Temple Manokameshwar Mhade



Photo 2 View of Temple Manokameshwar Mhade, Ground floor



Photo 3 View of Temple Manokameshwar Mhade, Ground floor



Photo 4 View of Temple Manokameshwar Mhade, Ground floor



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



House No. Spl. D-10 Chandpole Gate Jaipur Unique ID: CP 0014

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

Building Owner Contractor Mr. Munnaji Samotia 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				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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	14/11/2013		
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 Column Structure having 4 floors. The structure was constructed in year 1995 and is 18 years old.

There are 17 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)	2	40%
Slight (1 to 5mm)	2	40%
Moderate (5 to 15mm)	1	20%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 2.02mm and average length of cracks is 1.6m. The maximum crack width is 5mm and minimum width is 0.3mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0014				







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. Spl. D-10		
2	Building Address	Munna Ji Samotia Biliding Anaz Mandi, Chandpol Jaipur		
3	Year of Construction	1995		
4	Number of Floors	G+3		
5	Number of Basements	None		
6	Type of Building	Residential		
7	Approximate Height	16m		
8	Approximate Area	100 Sq.m		
9	Age of Building	18 Years		
10	Type of Structure	RCC Column		
11	Type of Foundation	None		
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	Wall No. 2 Toilet No. 2 House No. D-10, Sec. Floor	Horizontal	0.3	1	Very Slight	15
2	Wall No. 2 Toilet No. 2 House No. D-10, Sec. Floor	Horizontal	0.3	1	Very Slight	16
3	Wall No.3& Outer Wall House No. D-10, G. Floor	Inclined	3	2	Slight	17
4	Wall No.3& Outer Wall House No. D-10, G. Floor	Vertical	5	2	Moderate	18
5	Wall No.3 & Outer Wall House No. D-10, G. Floor	Inclined	1.5	2	Slight	19

	Summary of Defects Other Than Crack					
Defect ID	Location	Description	Photo No.			
6	Wall No. 4 Stair Area House No. D-10, First Floor	Dampness/Seepage	20			
7	Wall No. 2 Room No. 2 House No. D-10, First Floor	Dampness/Seepage	21			
8	Wall No. 2 Stair House No. D-10, First Floor	Peeling of Plaster	22			
9	Wall No. 4 Stair House No. D-10, Second Floor	Dampness/Seepage	23			
10	Wall No. 2 Stair House No. D-10, Second Floor	Peeling of Plaster	24			
11	Roof Toilet No. 3 House No. D-10, Second Floor	Peeling of Plaster	25			
12	Wall No. 4 Stair House No. D-10, Third Floor	Peeling of Plaster	26			
13	Wall No. 4 Toilet No. 1 House No. D-10, Third Floor	Dampness/Seepage	27			
14	Wall No. 4, 1, 2 & Roof Toilet No. 2 House No. D-10, Third Floor	Dampness/Seepage	28			
15	Wall No. 4 Toilet No. 3 House No. D-10, Third Floor	Dampness/Seepage	29			
16	Ground Floor to First Floor House No. D-10, Terrace	Dampness/Seepage	30			
17	Wall No.3 & Outer Wall House No. D-10, Ground Floor	Damaged Portion	31			

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Room No. 1 House No. D-10, First Floor	Locked	32
2	Toilet No. 2 House No. D-10, First Floor	Locked	33
3	Room No. 3 House No. D-10, Second Floor	Locked	34
4	All wall & Roof House No. D-10, Second Floor	Covered with Wooden work & Wooden Ceiling	35
5	Room No. 1 House No. D-10, Third Floor	Locked	36
6	Room No. 2 House No. D-10, Third Floor	Locked	37
7	Room No. 5 House No. D-10, Third Floor	Locked	38
8	All Shop House No. D-10, Ground Floor	Locked	39
9	Room No. 1 & 2 House No. D-10, Ground Floor	Locked	40







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



Photo 1 View of House No. D-10



Photo 2 View of Toilet No. 1, House No. D-10, First Floor





Photo 3 View of Room No. 3, House No. D-10, First Floor



Photo 5 View of Room No. 5, House No. D-10, First Floor



Photo 4 View of Room No. 4, House No. D-10, First Floor



Photo 6 View of Room No. 1, House No. D-10, Second Floor







Photo 7 View of Toilet No. 1, House No. D-10, Second Floor



Photo 8 View of Toilet No. 2, House No. D-10, Second Floor



Photo 9 View of Room No. 4, House No. D-10, Second Floor



Photo 11 View of Room No. 4, House No. D-10, Third Floor





Photo 10 View of Room No. 3, House No. D-10, Third Floor



Photo 12 House No. D-10, Terrace





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



Photo 13 House No. D-10, Terrace



Photo 14 View of House No. D-10, House No. D-10, Ground Floor





Photo 15

<u>Photo 1</u>6

Horizontal Crack on Wall No. 2 of Toilet No. 2, House No. D-10, Second Horizontal Crack on Wall No. 2 of Toilet No. 2, House No. D-10, Second Floor, Approx. Width = 0.3mm, Approx. Length = 1m.Distance from Wall No. 3 = 1m, Height from Floor = 2m. No. 3 = 1m, Height from Floor = 2m.



14 11 2013

Photo 17 Inclined Crack on Wall No.3& Outer Wall of House No. D-10, Ground Floor,Approx. Width = 3mm, Approx. Length = 2m.Distance from Wall No. 4 = 0.8m, Height from Floor = 2.1m.



Photo 18 Vertical Crack on Wall No.3 & Outer Wall , House No. D-10, Ground Floor,Approx. Width = 5mm, Approx. Length = 2m.Distance from Wall No. 4 = 0.5m, Height from Floor = 0m.







Photo 19 Inclined Crack on Wall No. 3 & Outer Wall of , House No. D-10, Ground Floor,Approx. Width = 1.5mm, Approx. Length = 2m.Distance from Wall No. 4 = 0.5m, Height from Floor = 1.8m.



Photo 20 Dampness/Seepage on Wall No. 4 of Stair Area of House No. D-10, First Floor





Photo 21 Dampness/Seepage on Wall No. 2 of Room No. 2 of House No. D-10, First Floor

Photo 22 Peeling of Plaster on Wall No. 2 of Stair of House No. D-10, First Floor





Photo 23 Dampness/Seepage on Wall No. 4 of Stair of House No. D-10, Second Floor



Photo 24 Peeling of Plaster on Wall No. 2 of Stair of House No. D-10, Second Floor







Photo 25 Peeling of Plaster on Roof of Toilet No. 3 of House No. D-10, Second Floor



Photo 26 Peeling of Plaster on Wall No. 4 of Stair of House No. D-10, Third Floor





Photo 27 Third Floor







Photo 29 Third Floor








JAIPUR METRO Jaipur Metro Rail Corporation



Photo 31 Damaged Portion on Wall No. 3 & Outer Wall of House No. D-10, Ground Floor



Photo 32 Room No. 1 of House No. D-10, First Floor Locked





Photo 33 Toilet No. 2 of House No. D-10, First Floor Locked



Photo 35 All wall & Roof of House No. D-10, Second Floor Covered with Wooden work & Wooden Ceiling



Photo 34 Room No. 3 of House No. D-10, Second Floor Locked



Photo 36 Room No. 1 of House No. D-10, Third Floor Locked





JAIPUR METRO Jaipur Metro Rail Corporation



Photo 37 Room No. 2 of House No. D-10, Third Floor Locked



Photo 38 Room No. 5 of House No. D-10, Third Floor Locked



Photo 39 All Shop of House No. D-10, Ground Floor Locked



Photo 40 Room No. 1 & 2 of House No. D-10, Ground Floor Locked



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



House No. Special D5 Chandpole Gate Jaipur Unique ID: CP 0015

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

Building Owner Contractor Mr. Radhey Sham Mangal CEC

Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	13/12/2013	
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 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 and a basement. The structure was constructed in year 1970 and is 43 years old.

There are 90 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 V (Very Severe)

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)	5	45.45%
Moderate (5 to 15mm)	1	9.09%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	1	9.09%

The average width of cracks is 24.44mm and average length of cracks is 1.43m. The maximum crack width is 250mm and minimum width is 0.4mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0015-G-TF	House No. Special D5			







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. Special D5		
2	Building Address	House No. Special D5 Chandpole Gate Jaipur		
3	Year of Construction	1970		
4	Number of Floors	B+G+3		
5	Number of Basements	1		
6	Type of Building	Commercial		
7	Approximate Height	12m		
8	Approximate Area	Not Known		
9	Age of Building	43 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	Two Side		
15	Presence of Equipment/Machines	None		







Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 1 & Roof Room First Floor	Horizontal	0.6	0.7	Very Slight	12, 12A
2	Room First Floor	Horizontal	250	0.8	Very Severe	13, 13A
3	Bathroom First Floor	Inclined	2.5	1.3	Slight	14, 14A
4	All Walls Bathroom First Floor	Inclined	2.5	0.35	Slight	15, 15A
5	Bathroom First Floor	Inclined	0.4	0.8	Very Slight	16, 16A
6	Roof Hall No. 1 Second Floor	Inclined	2	1.3	Slight	17, 17A
7	All Walls Room No. 1 Ground Floor Special D5	Horizontal	2.5	2	Slight	18, 18A
8	Room No. 1 Ground Floor	Inclined	5	2.5	Moderate	19, 19A
9	Room No. 1 Ground Floor	Inclined	0.8	1.5	Very Slight	20
10	Room No. 1 Ground Floor	Inclined	0.5	2.5	Very Slight	21
11	Outside Wall No. 1 Electrical Hazard Ground Upper Floor	Vertical	2	2	Slight	22

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
12	House No. 5 Mezzanine Floor	Peeling of Plaster	23
13	Lobby First Floor	Dampness/Seepage	24
14	Lobby First Floor	Peeling of Plaster	25
15	Bathroom First Floor	Peeling of Plaster	26
16	Room First Floor	Peeling of Plaster	27
17	Store First Floor	Peeling of Plaster	28
18	Hall No. 2 First Floor	Plaster Crack	29
19	Wall No. 1 & Roof Bathroom No. 1 First Floor	Peeling of Plaster	30
20	Wall No. 1 & Roof Bathroom First Floor	Peeling of Plaster	31
21	Bathroom First Floor	Damaged Portion	32
22	All Walls Bathroom First Floor	Peeling of Plaster	33
23	All Walls Bathroom First Floor	Peeling of Plaster	34
24	All Walls Bathroom First Floor	Peeling of Plaster	35
25	All Walls Bathroom First Floor	Peeling of Plaster	36
26	Roof & Wall No.1 House No. 5 First Floor	Dampness/Seepage	37
27	Roof & Wall No.1 House No. 5 First Floor	Dampness/Seepage	38
28	Roof & Wall No.1 Stair Case First Floor	Damaged Portion	39
29	Roof & Wall No. 1 Stair Case First Floor	Damaged Portion	40
30	Roof & Wall No.1 Stair Case First Floor	Damaged Portion	41
31	Roof House No. 5 Second Floor	Peeling of Plaster	42
32	Roof House No. 5 Second Floor	Peeling of Plaster	43
33	Roof House No. 5 Second Floor	Peeling of Plaster	44
34	Roof House No. 5 Second Floor	Peeling of Plaster	45
35	Roof House No. 5 Second Floor	Peeling of Plaster	46
36	Roof House No. 5 Second Floor	Peeling of Plaster	47
37	Roof House No. 5 Second Floor	Peeling of Plaster	48
38	Roof House No. 5 Second Floor	Peeling of Plaster	49
39	Roof House No. 5 Second Floor	Peeling of Plaster	50

40	Roof House No. 5 Second Floor	Peeling of Plaster	51
41	Roof House No. 5 Second Floor	Peeling of Plaster	52
42	Roof House No. 5 Second Floor	Peeling of Plaster	53
43	Roof House No. 5 Second Floor	Plaster Crack	54
44	Tample Wall & Wall No. 1 House No. 5 Second Floor	Peeling of Plaster	55
45	Tample Wall & Wall No. 1 Bathroom No. Second Floor	Peeling of Plaster	56
46	Roof Stair Case Second Floor	Peeling of Plaster	57
47	Roof & Wall No. 1 Stair Case Second Floor	Peeling of Plaster	58
48	Bathroom Third Floor	Damaged Portion	59
49	Bathroom Third Floor	Peeling of Plaster	60
50	Roof Toilet No. 2 Third Floor	Damaged Portion	61
51	Roof Lobby 3 Third Floor	Damaged Portion	62
52	Roof Passage Third Floor	Damaged Portion	63
53	Roof & Wall No.1 Lobby 2 Third Floor	Peeling of Plaster	64
54	Roof Lobby 3 Third Floor	Peeling of Plaster	65
55	Roof Stair Case Third Floor	Peeling of Plaster	66
56	Roof House No. 5 Third Floor	Peeling of Plaster	67
57	Roof House No. 5 Third Floor	Plaster Crack	68
58	Roof & Wall No.3 House No. 5 Third Floor	Peeling of Plaster	69
59	Floor Tarrace Floor Third Floor	Plaster Crack	70
60	Floor Tarrace Floor Third Floor	Plaster Crack	71
61	House No. Special D 5 Ground Floor	Dampness/Seepage	72
62	House No. Special D 5 Ground Floor	Plaster Crack	73
63	Floor Shop Part A Ground Floor Special D5	Damaged Portion	74
64	Room No. 1 Ground Floor	Damaged Portion	75
65	Room No. 1 Ground Floor	Damaged Portion	76
66	Room No. 1 Ground Floor	Dampness/Seepage	77
67	Room No. 1 Ground Floor	Dampness/Seepage	78
68	Room No. 1 Ground Floor	Dampness/Seepage	79
69	Roof Room No. 1 Ground Floor	Dampness/Seepage	80
70	Toilet No. 1 Ground Floor	Dampness/Seepage	81
71	Toilet No. 1 Ground Floor	Damaged Portion	82
72	Wall No. 2 Hall No. 1 Basement	Damaged Portion	83
73	Stair Case Basement	Dampness/Seepage	84
74	Wall No. 4 Hall No. 2 Basement	Dampness/Seepage	85
75	Wall No. 1, 3 & Roof Hall No. 2 Basement	Dampness/Seepage	86
76	Outside Wall No. 1 Electrical Hazard Ground Floor	Damaged Portion	87
77	Outside Wall No. 1 Electrical Hazard First Floor	Damaged Portion	88
78	Roof Shade Electrical Hazard Second Floor	Damaged Portion	89
79	Roof Shade Electrical Hazard Third Floor	Damaged Portion	90
80	Electrical Hazard Upper Floor Ground Upper Floor	Dampness/Seepage	91
81	Floor Electrical Hazard Front Wall Basement	Peeling of Plaster	92
82	Floor Electrical Hazard Sunshade Third Floor	Damaged Portion	93
83	Electrical Hazard Sunshade Basement	Damaged Portion	94
84	Electrical Hazard Third Floor Sunshade Third Floor	Peeling of Plaster	95
85	Floor Electrical Hazard Ground Floor Basement	Damaged Portion	96
86	Electrical Hazard I hird Floor Third Floor	Damaged Portion	97
87	Floor Electrical Hazard I hird Floor Third Floor	Damaged Portion	98
88	Floor Electrical Hazard Third Floor Third Floor	Damaged Portion	99
89	Floor Electrical Hazard Third Floor Third Floor	Damaged Portion	100
90	Floor	Dampness/Seepage	101

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Room Mezzanine Floor	Locked	102
2	Room No. 2 First Floor	Locked	103
3	Lobby 2 First Floor	Covered	104
4	Hall No. 2 First Floor	Covered With Material	105
5	Roof House No. 5 Second Floor	Covered with Tiles	106
6	Toilet No. 1 Second Floor	Covered	107
7	Toilet No. 1 Second Floor	Covered	108
8	Room No. 2 Second Floor	Locked	109
9	Bathroom Third Floor	Covered with Tiles	110
10	Toilet No. 1 Third Floor	Locked	111
11	Toilet No. 3 Third Floor	Locked	112
12	Toilet No. 2 Third Floor	Covered with Tiles	113
13	Room No. 1 Third Floor	Locked	114
14	Room No. 2 Third Floor	Covered with Almirah	115
15	Roof Room No. 2 Third Floor	Covered with Wood work	116
16	Store Third Floor	Locked	117
17	Room No. 3 Third Floor	Locked	118
18	Room No. 4 Third Floor	Locked	119
19	Room No. 5 Third Floor	Locked	120
20	Room No. 6 Third Floor	Covered with Wood work	121
21	Room No. 7 Third Floor	Locked	122
22	All Walls & 4 House No. Special D 5 Ground Floor	Covered with Materials	123
23	House No. Special D 5 Ground Floor	Covered with Materials	124
24	Floor Shop Part B Ground Floor Special D5	Covered with Materials	125
25	All Walls Shop Part B Ground Floor Special D5	Covered with Materials	126
26	All Walls Shop Part A Ground Floor Special D5	Covered with Materials	127
27	House No. Special D 5 Ground Floor	Locked	128
28	All Walls Room No. 1 Basement	Covered with Material	129
29	All Walls Hall No. 1 Basement	Covered with Material	130
30	Store Basement	Not in Approach	131
31	All Walls Basement	Covered with Materials	132







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



<u>Photo 1</u> House No. 5



Photo 2 Room No. 5, Mezzanine Floor



Photo 3 Room No. 1, Mezzanine Floor



Photo 4 Hall No. 1, First Floor



Photo 5 Room No. 1, First Floor





Photo 6 Room No. 1, Third Floor





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



Photo 7 Room No. 8, Third Floor



Photo 8 Tarrace Floor, Third Floor



Photo 9 House No. Special D 5, Ground Floor



Photo 11 House No. Special D 5, Ground Floor





Photo 10 House No. Special D 5, Ground Floor



 $\label{eq:photo12} \frac{Photo \ 12}{Photo \ 12}$ Horizontal Crack on Wall No. 1 & Roof of Room, First Floor, Approx. Width = 0.6mm, Approx. Length = 0.7m. Distance from Wall No. 1 = 0.7m, Height from Floor = 2m.







 $\label{eq:photo12A} \frac{Photo12A}{Photo12A} Horizontal Crack on Wall No. 1 & Roof of Room, First Floor, Approx. Width = 0.6mm, Approx. Length = 0.7m. \\ Distance from Wall No. 1 = 0.7m, Height from Floor = 2m. \\ \end{array}$



Photo 13A Horizontal Crack on Room, First Floor, Approx. Width = 250mm, Approx. Length = 0.8m. Distance from Wall No. 1 = 0.8m, Height from Floor = 0.5m.



Photo 14A Inclined Crack on Bathroom, First Floor, Approx. Width = 2.5mm, Approx. Length = 1.3m. Distance from Wall No. 4 = 0m, Height from Floor = 0m.





Photo 13 Horizontal Crack on Room, First Floor, Approx. Width = 250mm, Approx. Length = 0.8m. Distance from Wall No. 1 = 0.8m, Height from Floor = 0.5m.



Photo 14 Inclined Crack on Bathroom, First Floor, Approx. Width = 2.5mm, Approx. Length = 1.3m. Distance from Wall No. 4 = 0m, Height from Floor = 0m.



Photo 15 Inclined Crack on All Walls of Bathroom, First Floor, Approx. Width = 2.5mm, Approx. Length = 0.35m. Distance from Wall No. 4 = 0m, Height from Floor = 0.3m.



JAIPUR METRO Jaipur Metro Rail Corporation



Photo 15A Inclined Crack on All Walls of Bathroom, First Floor, Approx. Width = 2.5mm, Approx. Length = 0.35m. Distance from Wall No. 4 = 0m, Height from Floor = 0.3m.



Photo 16A Inclined Crack on Bathroom, First Floor, Approx. Width = 0.4mm, Approx. Length = 0.8m. Distance from Wall No. 4 = 0.4m, Height from Floor = 1.7m.



Photo 17A Inclined Crack on Roof of Hall No. 1, Second Floor, Approx. Width = 2mm, Approx. Length = 1.3m. Distance from Wall No. 4 = 0.1m, Height from Floor = 1.5m.





Photo 16 Inclined Crack on Bathroom, First Floor, Approx. Width = 0.4mm, Approx. Length = 0.8m. Distance from Wall No. 4 = 0.4m, Height from Floor = 1.7m.



Photo 17 Inclined Crack on Roof of Hall No. 1, Second Floor, Approx. Width = 2mm, Approx. Length = 1.3m. Distance from Wall No. 4 = 0.1m, Height from Floor = 1.5m.



Photo 18 Horizontal Crack on All Walls of Room No. 1, Ground Floor Special D5 Approx. Width = 2.5mm, Approx. Length = 2m. Distance from Wall 1 = 1.5m, Height from Floor = 1m.



Jaipur Metro Rail Corporation

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



Photo 18A Horizontal Crack on All Walls of Room No. 1, Ground Floor Special D5 Approx. Width = 2.5mm, Approx. Length = 2m. Distance from Wall 1 = 1.5m, Height from Floor = 1m.



Photo 19A Inclined Crack on Room No. 1, Ground Floor , Approx. Width = 5mm, Approx. Length = 2.5m. Distance from Wall 1 = 1m, Height from Floor = 0.7m.



Photo 21 Inclined Crack on of Room No. 1, Ground Floor, Approx. Width = 0.5mm, Approx. Length = 2.5m. Distance from Wall 4 = 0m, Height from Floor = 2.2m.





Photo 19 Inclined Crack on Room No. 1, Ground Floor, Approx. Width = 5mm, Approx. Length = 2.5m. Distance from Wall 1 = 1m, Height from Floor = 0.7m.



Photo 20 Inclined Crack on of Room No. 1, Ground Floor , Approx. Width = 0.8mm, Approx. Length = 1.5m. Distance from Wall 3 = 0m, Height from Floor = 2m.



Photo 22 Vertical Crack on Outside Wall No. 1 of Electrical Hazard, Ground Upper Floor Approx. Width = 2mm, Approx. Length = 2m. Distance from Wall No. 2 = 0m, Height from Floor = 2.5m.







Photo 23 Peeling of Plaster on House No. 5 of Mezzanine Floor



Photo 24 Dampness/Seepage on Lobby of First Floor



Photo 25 Peeling of Plaster on Lobby of First Floor



Photo 26 Peeling of Plaster on Bathroom of First Floor



Photo 27 Peeling of Plaster on Room of First Floor





Photo 28 Peeling of Plaster on Store of First Floor







Photo 29 Plaster Crack on Hall No. 2 of First Floor



Photo 30 Peeling of Plaster on Wall No. 1 & Roof of Bathroom of First Floor





Photo 31 Peeling of Plaster on Wall No. 1 & Roof of Bathroom of First Floor

Photo 32 Damaged Portion on Bathroom of First Floor



Photo 33 Peeling of Plaster on All Walls of Bathroom of First Floor





Photo 34 Peeling of Plaster on All Walls of Bathroom of First Floor







Photo 35 Peeling of Plaster on All Walls of Bathroom of First Floor



Photo 36 Peeling of Plaster on All Walls of Bathroom of First Floor





Photo 37 Dampness/Seepage on Roof & Wall No.1 of House No. 5 of First Floor Dampness/Seepage on Roof & Wall No.1 of House No. 5 of First Floor





Photo <u>3</u>9 Damaged Portion on Roof & Wall No.1 of Stair Case of First Floor

Photo 40 Damaged Portion on Roof & Wall No.1 of Stair Case of First Floor











Photo 41 Damaged Portion on Roof & Wall No.1 of Stair Case of First Floor

Photo 42 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 43 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 45 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 44 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 46 Peeling of Plaster on Roof of House No. 5 of Second Floor









Photo 47 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 48 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 49 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 51 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 50 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 52 Peeling of Plaster on Roof of House No. 5 of Second Floor









Photo 53 Peeling of Plaster on Roof of House No. 5 of Second Floor



Photo 54 Plaster Crack on Roof of House No. 5 of Second Floor





Photo 55 Peeling of Plaster on Tample Wall & Wall No.1 of House No. 5 of Second Floor





Photo 57 Peeling of Plaster on Roof of Stair Case of Second Floor



Photo 58 Peeling of Plaster on Roof & Wall No. 1 of Stair Case of Second Floor









Photo 59 Damaged Portion on Bathroom of Third Floor



Photo 60 Peeling of Plaster on Bathroom of Third Floor



Photo 61 Damaged Portion on Roof of Toilet No. 2 of Third Floor



Photo 63 Damaged Portion on Roof of Passage of Third Floor



Photo 62 Damaged Portion on Roof of Lobby 3 of Third Floor



Photo 64 Peeling of Plaster on Roof & Wall No1 of Lobby 2 of Third Floor









Photo 65 Peeling of Plaster on Roof of Lobby 3 of Third Floor



Photo 6 Peeling of Plaster on Roof of Stair Case of Third Floor



Photo 67 Peeling of Plaster on Roof of House No. 5 of Third Floor



Photo 68 Plaster Crack on Roof of House No. 5 of Third Floor



Photo 69 Peeling of Plaster on Wall No. 3 & Roof of House No. 5 of Third Floor



Photo 70 Plaster Crack on Floor of Tarrace Floor of Third Floor









Photo 71
Plaster Crack on Floor of Tarrace Floor of Third Floor



Photo 72 Dampness/Seepage on House No. Special D 5 of Ground Floor





Photo 73 Plaster Crack on House No. Special D 5 of Ground Floor





Photo 75 Damaged Portion on Room No. 1 of Ground Floor





Photo 76 Damaged Portion on Room No. 1 of Ground Floor







Photo 77 Dampness/Seepage on Room No. 1 of Ground Floor



Photo 78 Dampness/Seepage on Room No. 1 of Ground Floor



Photo 79 Dampness/Seepage on Room No. 1 of Ground Floor



Photo 80 Dampness/Seepage on Roof of Room No. 1 of Ground Floor



Photo 81 Dampness/Seepage on Toilet No. 1 of Ground Floor





Photo 82 Damaged Portion on Toilet No. 1 of Ground Floor







Photo 83 Damaged Portion on Wall No. 2 of Hall No. 1 of Basement



Photo 84 Dampness/Seepage on Stair Case of Basement





Photo 85 Dampness/Seepage on Wall No. 4 of Hall No. 2 of Basement





Photo 87 Damaged Portion on Outside Wall No. 1 of Electrical Hazard of Ground Floor





Photo 88 Damaged Portion on Outside Wall No. 1 of Electrical Hazard of First Floor









Photo 89 Damaged Portion on Roof of Shade Electrical Hazard of Second Floor

Photo 90 Damaged Portion on Roof of Shade Electrical Hazard of Third Floor





Photo 91 Dampness/Seepage on Electrical Hazard Upper Floor of Ground Upper Floor Peeling of Plaster on Floor of Electrical Hazard Front Wall of Basement





Photo 93 Damaged Portion on Floor of Electrical Hazard Sunshade of Third Floor

Photo 94 Damaged Portion on Electrical Hazard Sunshade of Basement









Photo 95 Peeling of Plaster on Electrical Hazard Third Floor Sunshade of Third Floor



Photo 96 Damaged Portion on Floor of Electrical Hazard Ground Floor of Basement



Photo 97 Damaged Portion on Electrical Hazard of Third Floor



Photo 98 Damaged Portion on Floor of Electrical Hazard of Third Floor



Photo 99 Damaged Portion on Floor of Electrical Hazard Third Floor of Third Floor



Photo 100 Damaged Portion on Floor of Electrical Hazard Third Floor of Third Floor









Photo 101 Dampness/Seepage on Floor of Electrical Hazard Second Floor Sunshade of Second Floor



Photo 102 Room of Mezzanine Floor Locked



Photo 103 Room No. 2 of First Floor Locked



Photo 104 Lobby 2 of First Floor Covered



Photo 106 Roof of House No. 5 of Second Floor Covered with Tiles





Photo 105 Hall No. 2 of First Floor Covered With Material







Photo 107 Toilet No. 1 of Second Floor Covered



Photo 108 Toilet No. 1 of Second Floor Covered



Photo 109 Room No. 2 of Second Floor Locked



Photo 110 Bathroom of Third Floor Covered with Tiles



Photo 111 Toilet No. 1 of Third Floor Locked





Photo 112 Toilet No. 3 of Third Floor Locked







Photo 113 Toilet No. 2 of Third Floor Covered with Tiles



Photo 114 Room No. 1 of Third Floor Locked



Photo 115 Room No. 2 of Third Floor Covered with Almirah



Photo 117 Store of Third Floor Locked





Photo 116 Roof of Room No. 2 of Third Floor Covered with Wood work



Photo 118 Room No. 3 of Third Floor Locked







Photo 119 Room No. 4 of Third Floor Locked



Photo 120 Room No. 5 of Third Floor Locked



Photo 121 Room No. 6 of Third Floor Covered with Wood work



Photo 123 All Walls & 4 of House No. Special D 5 of Ground Floor Covered with Materials





Photo 122 Room No. 7 of Third Floor Locked



Photo 124 House No. Special D 5 of Ground Floor Covered with Materials







Photo 125 Floor of Shop Part B of Ground Floor Special D5 Covered with Materials

Photo 126 All Walls of Shop Part B of Ground Floor Special D5 Covered with Materials



Photo 127 All Walls of Shop Part A of Ground Floor Special D5 Covered with Materials



Photo 129 All Walls of Room No. 1 of Basement Covered with Material





Photo 128 House No. Special D 5 of Ground Floor Locked



Photo 130 All Walls of Hall No. 1 of Basement Covered with Material





JAIPUR METRO Jaipur Metro Rail Corporation

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



Photo 131 Store of Basement Not in Approach



Photo 132 All Walls of Basement Covered with Materials



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



House No. Special D2 Chandpole Gate Jaipur Unique ID: CP 0016

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

Building Owner Contractor Mr. Dilip CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	13/12/2013	
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 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 and a basement. The structure was constructed in year 1870 and is 143 years old.

There are 20 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 2.75mm and average length of cracks is 3m. The maximum crack width is 4mm and minimum width is 1.5mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0018-G-SF	Uma Trading Co. D 2			






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. Special D2	
2	Building Address	House No. Special D2 Chandpole Gate Jaipur	
3	Year of Construction	1870	
4	Number of Floors	B+G+3	
5	Number of Basements	1	
6	Type of Building	Comercial	
7	Approximate Height	12m	
8	Approximate Area	Not Known	
9	Age of Building	143 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	







JAIPUR METRO Jaipur Metro Rail Corporation

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Roof Passage Ground Floor	Horizontal	4	4	Slight	3, 3A
2	Outter Wall External Hazard Third Floor	Inclined	1.5	2	Slight	4

Summary of Defects Other Than Crack				
Defect ID	Location	Description	Photo No.	
3	Roof Stair Case Ground Floor	Peeling of Plaster	5	
4	Roof Stair Case Ground Floor	Damaged Portion	6	
5	Roof Stair Case Ground Floor	Damaged Portion	7	
6	Roof Passage Ground Floor	Peeling of Plaster	8	
7	Roof Stair Case Ground Floor	Peeling of Plaster	9	
8	Roof Passage Ground Floor	Dampness/Seepage	10	
9	Roof Passage Ground Floor	Damaged Portion	11	
10	Roof Passage Ground Floor	Damaged Portion	12	
11	Roof Passage Ground Floor	Damaged Portion	13	
12	Roof Passage Ground Floor	Damaged Portion	14	
13	Roof Stair GF to FF Ground Floor	Damaged Portion 15		
14	Hall No. 1 Third Floor	Plaster Crack	16	
15	Hall No. 1 Third Floor	Plaster Crack	17	
16	Roof Hall No. 1 Second Floor	Peeling of Plaster	18	
17	Roof Toilet No. 1 Third Floor	Peeling of Plaster	19	
18	Roof Hall No. 1 Third Floor	Peeling of Plaster	20	
19	Outter Wall External Hazard First Floor	Peeling of Plaster	21	
20	Outter Wall External Hazard Second Floor	Peeling of Plaster	22	

Summary of Areas that Could not be Surveyed				
Serial No.	Location	Description	Photo No.	
1	Shop (B.D. Tradding Company) Ground Floor	COVERED	23	
2	Shop (B.D. Tradding Company) Ground Floor	COVERED	24	
3	Roof Ground Floor	Covered With Wood	25	
4	Passage Ground Floor	Covered With Material.	26	
5	Hall No. 1 Ground Floor	COVERED	27	
6	Roof Room No. 1 Ground Floor	Covered With Tiles & Almira	28	
7	Room No. 1 First Floor	Locked	29	
8	Bathroom No. 1 First Floor	Locked	30	
9	Toilet No. 1 First Floor	Locked	31	
10	Room No. 3 First Floor	Locked	32	
11	Room No. 4 First Floor	Locked	33	
12	Room No. 4 First Floor	Locked	34	
13	Room No. 5 First Floor	Locked	35	
14	Room No. 6 First Floor	Locked	36	
15	Room No. 7 First Floor	Locked	37	
16	Room No. 8 First Floor	Locked	38	
17	Hall No. 1 Third Floor	UNDER CONSTRUCTION	39	







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



Photo 1



Photo 2 Shop, Ground Floor



Photo 3 Horizontal Crack on Roof of Passage, Ground Floor, Approx. Width = 4mm, Approx. Length = 4m. Distance from Wall No. 4 = 0.3m, Height from Floor = 1.9m.



Photo 4 Inclined Crack on Outter Wall of External Hazard, Third Floor Approx. Width = 1.5mm, Approx. Length = 2m. Distance from Left Side = 0m, Height from Floor = 11m.





Photo 3A Horizontal Crack on Roof of Passage, Ground Floor, Approx. Width = 4mm, Approx. Length = 4m. Distance from Wall No. 4 = 0.3m, Height from Floor = 1.9m.



Photo 5 Peeling of Plaster on Roof of Stair Case of Ground Floor







Photo 6 Damaged Portion on Roof of Stair Case of Ground Floor



Photo 7 Damaged Portion on Roof of Stair Case of Ground Floor



Photo 8 Peeling of Plaster on Roof of Passage of Ground Floor



Photo 10 Dampness/Seepage on Roof of Passage of Ground Floor





Photo 9 Peeling of Plaster on Roof of Stair Case of Ground Floor



Photo 11 Damaged Portion on Roof of Passage of Ground Floor







Photo 12 Damaged Portion on Roof of Passage of Ground Floor



Photo 13 Damaged Portion on Roof of Passage of Ground Floor





Photo 14 Damaged Portion on Roof of Passage of Ground Floor



Photo 16 Plaster Crack on Hall No. 1 of Third Floor



Photo 15 Damaged Portion on Roof of Stair GF to FF of Ground Floor



Photo 17 Plaster Crack on Hall No. 1 of Third Floor





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



Photo 18 Peeling of Plaster on Roof of Hall No. 1 of Second Floor



Photo 19 Peeling of Plaster on Roof of Toilet No. 1 of Third Floor





Photo 20 Peeling of Plaster on Roof of Hall No. 1 of Third Floor



Photo 22 Peeling of Plaster on Outter Wall of External Hazard of Second Floor



Photo 21
Peeling of Plaster on Outter Wall of External Hazard of First Floor



Photo 23 Shop (B.D. Tradding Company) of Ground Floor Covered









Photo 24 Shop (B.D. Tradding Company) of Ground Floor Covered



Photo 25 Roof of Ground Floor Covered With Wood



Photo 26 Passage of Ground Floor Covered With Material.



Photo 27 Hall No. 1 of Ground Floor Covered



Photo 28 Roof of Room No. 1 of Ground Floor Covered With Tiles & Almira



Photo 29 Room No. 1 of First Floor Locked







Photo 30 Bathroom No. 1 of First Floor Locked



Photo 31 Toilet No. 1 of First Floor Locked



Photo 32 Room No. 3 of First Floor Locked



Photo 33 Room No. 4 of First Floor Locked



Photo 34 Room No. 4 of First Floor Locked





Photo 35 Room No. 5 of First Floor Locked







Photo 36 Room No. 6 of First Floor Locked



Photo 37 Room No. 7 of First Floor Locked



Photo 38 Room No. 8 of First Floor Locked



Photo 39 Hall No. 1 of Third Floor Under Construction



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



House No. Special D3 Chandpole Gate Jaipur Unique ID: CP 0017

Report Number: AIMIL/ESG/JMCEC/CP 0017/01, Rev. 00, Dated: January 2014

Building Owner Contractor Mr. Dhanna CEC Client Sub-Contractor JMRC Limited AIMIL Limited







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

Table of Contents				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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 inhabitated 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	13/12/2013		
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 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 1970 and is 43 years old.

There are 38 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)	6	85.71%
Slight (1 to 5mm)	1	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 0.66mm and average length of cracks is 1.23m. The maximum crack width is 2.5mm and minimum width is 0.15mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0017-1	Special D 3			
CP/0017-2	Special D 3			
CP/0017-G-TF	Special D 3			







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 Build	General Building Details (As informed verbally by Building Owner)			
S. No.	Head	Particulars		
1	Building Name	House No. Special D3		
2	Building Address	House No. Special D3 Chandpole Gate Jaipur		
3	Year of Construction	1970		
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	43 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	Roof Hall No. 1 Second Floor	Horizontal	0.15	0.8	Very Slight	8, 8A
2	Roof Room No. 1 Second Floor	Horizontal	0.3	0.6	Very Slight	9, 9A
3	Room No. 1 Second Floor	Horizontal	0.3	0.5	Very Slight	10, 10A
4	Roof Room No. 1	Horizontal	0.4	0.5	Very Slight	11, 11A
5	Roof, Wall No.2 & 4 Room No. 2	Horizontal	0.4	0.7	Very Slight	12
6	Roof, Wall No.2 & 4 Open Area	Inclined	2.5	3.5	Slight	13, 13A
7	Sunshade Stair Case SF to Terrace	Inclined	0.6	2	Very Slight	14, 14A

Summary of Defects Other Than Crack				
Defect ID	Location	Description	Photo No.	
8	Shop-JK Msale & Food Production Ground Floor	Plaster Crack	15	
9	Part A of Ganesh Lal Jai Kumar & Sons Ground Floor	Dampness/Seepage	16	
10	Part B of Ganesh Lal Jai Kumar & Sons Ground Floor	Dampness/Seepage	17	
11	Part B of Ganesh Lal Jai Kumar & Sons Ground Floor	Dampness/Seepage	18	
12	Roof Part B of Ganesh Lal Jai Kumar & Sons Ground Floor	Dampness/Seepage	19	
13	Room No. 3 Mazanine Floor	Dampness/Seepage	20	
14	Toilet No. 1 First Floor	Dampness/Seepage	21	
15	Roof & All Walls First Floor	Dampness/Seepage	22	
16	Roof & All Walls First Floor	Dampness/Seepage	23	
17	Stair Case FF to SF Second Floor	Peeling of Plaster	24	
18	Roof Stair Case FF to SF Second Floor	Peeling of Plaster	25	
19	Roof Passage Second Floor	Peeling of Plaster	26	
20	Roof, Wall No.1 & 2 Toilet No. 1 Second Floor	Peeling of Plaster	27	
21	Roof & Wall No. 1 Toilet No. 1 Second Floor	Peeling of Plaster	28	
22	Roof & Wall No.1 Toilet No. 1 Second Floor	Peeling of Plaster	29	
23	Roof Hall No. 1 Second Floor	Plaster Crack	30	
24	Roof Hall No. 1 Second Floor	Peeling of Plaster	31	
25	Roof Hall No. 1 Second Floor	Peeling of Plaster	32	
26	Roof Hall No. 1 Second Floor	Peeling of Plaster	33	
27	Balcony Second Floor	Peeling of Plaster	34	
28	Balcony Second Floor	Peeling of Plaster	35	
29	Balcony Second Floor	Plaster Crack	36	
30	Balcony Second Floor	Damaged Portion	37	
31	Roof Balcony Second Floor	Peeling of Plaster	38	
32	Roof Room No. 1 Second Floor	Peeling of Plaster	39	
33	Roof Room No. 1 Second Floor	Peeling of Plaster	40	
34	Roof, Wall No.2 & 4 Room No. 2	Peeling of Plaster	41	
35	Roof,Wall No. 2 & 4 Room No. 2	Peeling of Plaster	42	
36	Open Area	Peeling of Plaster	43	
37	Roof Open Area	Peeling of Plaster	44	
38	Sunshade Open Area	Peeling of Plaster	45	

	Summary of Areas that Could not be Surveyed					
Serial No.	Location	Description	Photo No.			
1	Roof Room No. 1 Mazanine Floor	Covered with Materials	46			
2	Bathroom Mazanine Floor	Covered with Tiles	47			
3	Bathroom First Floor	Covered	48			
4	Room No. 1 First Floor	Covered with Almira	49			
5	Kitchen First Floor	Covered With Tiles	50			
6	First Floor	Covered	51			
7	First Floor	Covered with Material	52			
8	Room No. 2 First Floor	Covered	53			
9	Room No. 3 First Floor	Covered	54			
10	All Walls Bathroom Second Floor	Covered with Tiles	55			







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



Photo 1



Photo 2 Shop-JK Msale & Food Production, Ground Floor



Photo 3 Ganesh Lal Jai Kumar & Sons, Ground Floor



Photo 5 Room No. 3, Mazanine Floor





Photo 4 Room No. 2, Mazanine Floor



Photo 6 Room No. 1, First Floor







Photo 7 Room No. 4, First Floor



Photo 8 Horizontal Crack on Roof of Hall No. 1, Second Floor, Approx. Width = 0.15mm, Approx. Length = 0.8m. Distance from W1 = 1.6m, Height from Floor = 1.7m.



Photo 8A Horizontal Crack on Roof of Hall No. 1, Second Floor, Approx. Width = 0.15mm, Approx. Length = 0.8m. Distance from W1 = 1.6m, Height from Floor = 1.7m.



 $\label{eq:photo_9A} \frac{Photo \ 9A}{Photo \ 9A} \\ \mbox{Horizontal Crack on Roof of Room No. 1, Second Floor, Approx. Width} \\ = 0.3mm, \ Approx. \ Length = 0.6m. \\ \mbox{Distance from W2} = 0.6m, \ Height from Floor = 1.5m. \\ \mbox{Horizontal Crack on Roof of R$





 $\label{eq:photo 9} \frac{Photo 9}{Photo 1} \\ \mbox{Horizontal Crack on Roof of Room No. 1, Second Floor, Approx. Width} \\ = 0.3mm, Approx. Length = 0.6m. \\ \mbox{Distance from W2 = 0.6m, Height from Floor = 1.5m.} \\ \mbox{Horizontal Crack on Roof of Room Photon P$



Photo 10 Horizontal Crack on Room No. 1, Second Floor, Approx. Width = 0.3mm, Approx. Length = 0.5m. Distance from W2 = 0m, Height from Floor = 1.3m.



Jaipur Metro Rail Corporation



Photo 10A Horizontal Crack on Room No. 1, Second Floor, Approx. Width = 0.3mm, Approx. Length = 0.5m. Distance from W2 = 0m, Height from Floor = 1.3m.



 $\label{eq:hoto_11A} \frac{Photo_11A}{Photoonuclean}$ Horizontal Crack on Roof of Room No. 1, Approx. Width = 0.4mm, Approx. Length = 0.5m. Distance from W1 = 0m, Height from Floor = 1.5m.



Photo 13 Inclined Crack on Roof, 2 & 4 of Open Area, Approx. Width = 2.5mm, Approx. Length = 3.5m. Distance from W4 = 0m, Height from Floor = 1.3m.





Photo 1 Horizontal Crack on Roof of Room No. 1, Approx. Width = 0.4mm, Approx. Length = 0.5m. Distance from W1 = 0m, Height from Floor = 1.5m.



Photo 12 Horizontal Crack on Roof, 2 & 4 of Room No. 2, Approx. Width = 0.4mm, Approx. Length = 0.7m. Distance from W1 = 0m, Height from Floor = 1.5m.



Photo 13A Inclined Crack on Roof, 2 & 4 of Open Area, Approx. Width = 2.5mm, Approx. Length = 3.5m. Distance from W4 = 0m, Height from Floor = 1.3m.



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



JAIPUR METRO









Photo 15 Plaster Crack on Shop-JK Msale & Food Production of Ground Floor

Photo 16 Dampness/Seepage on Part A of Ganesh Lal Jai Kumar & Sons of Ground Floor



Photo 17 Dampness/Seepage on Part B of Ganesh Lal Jai Kumar & Sons of Ground Floor



Photo 18 Dampness/Seepage on Part B of Ganesh Lal Jai Kumar & Sons of Ground Floor









Photo 19 Dampness/Seepage on Roof of Part B of Ganesh Lal Jai Kumar & Sons of Ground Floor



Photo 20 Dampness/Seepage on Room No. 3 of Mazanine Floor





Photo 21 Dampness/Seepage on Toilet No. 1 of First Floor



Photo 23 Dampness/Seepage on Roof & All Walls of of First Floor





Photo 24 Peeling of Plaster on Stair Case FF to SF of Second Floor









Photo 25 Peeling of Plaster on Roof of Stair Case FF to SF of Second Floor



Photo 26 Peeling of Plaster on Roof of Passage of Second Floor



Photo 27 Peeling of Plaster on Roof, Wall No. 1 & 2 of Toilet No. 1 of Second Floor





Photo 29 Peeling of Plaster on Roof & Wall No. 1 of Toilet No. 1 of Second Floor



Photo 30 Plaster Crack on Roof of Hall No. 1 of Second Floor







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



Photo 31 Peeling of Plaster on Roof of Hall No. 1 of Second Floor



Photo 32 Peeling of Plaster on Roof of Hall No. 1 of Second Floor





Photo 33 Peeling of Plaster on Roof of Hall No. 1 of Second Floor





Photo 35 Peeling of Plaster on Balcony of Second Floor



Photo 34



Photo 36 Plaster Crack on Balcony of Second Floor





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



Photo 37 Damaged Portion on Balcony of Second Floor



Photo 38 Peeling of Plaster on Roof of Balcony of Second Floor



Photo 40

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

Photo 39 Peeling of Plaster on Roof of Room No. 1 of Second Floor



Photo 41 Peeling of Plaster on Roof, Wall No. 2 & 4 of Room No. 2



Photo 42 Peeling of Plaster on Roof, Wall No. 2 & 4 of Room No. 2









Photo 43 Peeling of Plaster on Open Area



Photo 44 Peeling of Plaster on Roof of Open Area





Photo 45 Peeling of Plaster on Sunshade of Open Area



Photo 47 Bathroom of Mazanine Floor Covered with Tiles



Photo 46 Roof of Room No. 1 of Mazanine Floor Covered with Materials



Photo 48 Bathroom of First Floor Covered







Photo 49 Room No. 1 of First Floor Covered with Almira



Photo 50 Kitchen of First Floor Covered With Tiles



Photo 51 First Floor Covered



Photo 52 First Floor Covered with Material



Photo 54 Room No. 3 of First Floor Covered







Photo 53 Room No. 2 of First Floor Covered







Photo 55 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



House No. SPL D-2 Nai Anaj Mandi,Chandpole Gate Jaipur Unique ID: CP 0018

Report Number: AIMIL/ESG/JMCEC/CP 0018/01, Rev. 00, Dated: January 2014

Building Owner Contractor Laxmi Narayan Agrawal 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				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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 inhabitated 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	13/12/2013		
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 1982 and is 31 years old.

There are 18 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 0.2mm and average length of cracks is 1m. The maximum crack width is 0.2mm and minimum width is 0.2mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0018	House No. SPL D-2			







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 Buil	General Building Details (As informed verbally by Building Owner)				
S. No.	Head	Particulars			
1	Building Name	House No. SPL D-2			
2	Building Address	House No. SPL D-2 ,Nai Anaj Mandi,Chandpole Gate Jaipur			
3	Year of Construction	1982			
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	31 years			
10	Type of Structure	Load Bearing Structure			
11	Type of Foundation	RCC			
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 Jaipur Metro Rail Corporation

	Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.	
1	Wall No. 4 Rajesh Enterprises, Part A House No. SPL D 2,Ground Floor	Horizontal	0.2	1	Very Slight	5, 5A	

Summary of Defects Other Than Crack				
Defect ID	Location	Description	Photo No.	
2	Wall No. 4 House No. SPL D 2 Ground Floor	Dampness/Seepage	6	
3	Wall No. 2 Rajesh Enterprises, Part A House No. SPL D 2,Ground Floor	Peeling of Plaster	7	
4	Wall No. 1 & 4 Rajesh Enterprises, Part A House No. SPL D 2,Ground Floor	Peeling of Plaster	8	
5	Wall No. 2 Rajesh Enterprises, Part A House No. SPL D 2, Ground Floor	Plaster Crack	9	
6	Wall No. 1 Rajesh Enterprises, Part B of Tin Shade Room House No. SPL D 2,Ground Floor	Peeling of Plaster	10	
7	Wall No. 4 Rajesh Enterprises, Part B of Tin Shade Room House No. SPL D 2,Ground Floor	Peeling of Plaster	11	
8	Wall No. 2 Rajesh Enterprises, Part B of Tin Shade Room House No. SPL D 2,Ground Floor	Peeling of Plaster	12	
9	Wall No. 3 Rajesh Enterprises, Part B of Tin Shade Room House No. SPL D 2,Ground Floor	Peeling of Plaster	13	
10	Column Rajesh Enterprises, Part B of Tin Shade Room House No. SPL D 2,Ground Floor	Peeling of Plaster	14	
11	Roof Bathroom House No. SPL D 2, First Floor	Peeling of Plaster	15	
12	Wall No. 4&Roof Toilet No. 1 House No. SPL D 2, First Floor	Peeling of Plaster	16	
13	Wall No. 1 & 3 Hall No. 1 House No. SPL D 2, First Floor	Dampness/Seepage	17	
14	Roof Lobby House No. SPL D 2, First Floor	Peeling of Plaster	18	
15	Roof Lobby House No. SPL D 2, Second Floor	Peeling of Plaster	19	
16	Roof Store House No. SPL D 2, Second Floor	Dampness/Seepage	20	
17	Roof Room No. 4 Second Floor	Dampness/Seepage	21	
18	Roof Toilet No. 1 Second Floor	Peeling of Plaster	22	

Summary of Areas that Could not be Surveyed				
Serial No.	Location	Description	Photo No.	
1	Hall No. 1 House No. SPL D 2, First Floor	Covered with wooden Partition	23	
2	Room No. 5 Second Floor	Locked	24	
3	Room No. 3 Second Floor	Locked	25	
4	Room No. 2 Second Floor	Locked	26	
5	Room No. 1 Second Floor	Locked	27	
6	store 2 House No. SPL 2, Second Floor	Locked	28	







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



Photo 1 General view



Photo 2 Yugal Kishor Agarawal & Sons, House No. SPL D 2,Ground Floor



Photo 3 Rajesh Enterprises, House No. SPL D 2,Ground Floor



Photo 5

Horizontal Crack on Wall No. 4 of Rajesh Enterprises, Part A, House No. SPL D 2,Ground Floor,Approx. Width = 0.2mm, Approx. Length = 1m.Distance from Wall No. 2 = 1m, Height from Floor = 2m.





Photo 4 Tin Shade View, House No. SPL D 2,Ground Floor



Photo 5A Horizontal Crack on Wall No. 4 of Rajesh Enterprises, Part A, House No. SPL D 2,G.F.,Approx. Width = 0.2mm, Approx. Length = 1m.Distance from Wall No. 2 = 1m, Height from Floor = 2m.







Photo 6 Dampness/Seepage on Wall No. 4 of House No. SPL D 2 of Ground Floor



Photo 7 Peeling of Plaster on Wall No. 2 of Rajesh Enterprises, Part A of House No. SPL D 2, Ground Floor





Photo 8 House No. SPL D 2, Ground Floor





Photo 10 Peeling of Plaster on Wall No. 1 of Rajesh Enterprises, Part B of Tin Shade Room of House No. SPL D 2, Ground Floor



<u>Photo 1</u>1 Peeling of Plaster on Wall No. 4 of Rajesh Enterprises, Part B of Tin Shade Room of House No. SPL D 2, Ground Floor





Jaipur Metro Rail Corporation



Photo 12 Peeling of Plaster on Wall No. 2 of Rajesh Enterprises, Part B of Tin Shade Room of House No. SPL D 2,Ground Floor



Photo 13 Peeling of Plaster on Wall No. 3 of Rajesh Enterprises, Part B of Tin Shade Room of House No. SPL D 2,Ground Floor



Photo 14 Peeling of Plaster on Column of Rajesh Enterprises, Part B of Tin Shade Room of House No. SPL D 2,Ground Floor



Photo 15 Peeling of Plaster on Roof of Bathroom of House No. SPL D 2,First Floor





 Photo 16
 Photo 17

 Peeling of Plaster on Wall No.4& Roof of Toilet No. 1 of House No. SPL
 Dampness/Seepage on Wall No. 1 & 3 of Hall No. 1 of House No. SPL

 D 2,First Floor
 D 2,First Floor









13.12.2013

Photo 18 Peeling of Plaster on Roof of Lobby of House No. SPL D 2,First Floor

Photo 19 Peeling of Plaster on Roof of Lobby of House No. SPL D 2, Second Floor





Photo 20 Dampness/Seepage on Roof of Store of House No. SPL D 2, Second Floor





Photo 22 Peeling of Plaster on Roof of Toilet No. 1 of Second Floor



Photo 23 Hall No. 1 of House No. SPL D 2,First Floor Covered with wooden Partition








Photo 24 Room No. 5 of Second Floor Locked



Photo 25 Room No. 3 of Second Floor Locked



Photo 26 Room No. 2 of Second Floor Locked



Photo 27 Room No. 1 of Second Floor Locked



Photo 28 store 2 of House No. SPL 2,Second Floor Locked



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



House No. Spl. D-1 Anaj Mandi,Chandpole Gate Jaipur Unique ID: CP 0014

Report Number: AIMIL/ESG/JMCEC/CP 0019/01, Rev. 00, Dated: January 2014

Building Owner Contractor Mss. Sita Devi 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	3	
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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	14/11/2013		
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 1973 and is 40 years old.

There are 45 defects in the structure out of which 15 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	20%
Slight (1 to 5mm)	9	60%
Moderate (5 to 15mm)	3	20%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 3.41mm and average length of cracks is 2.07m. The maximum crack width is 10mm and minimum width is 0.4mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP-0019/1	Geeta Oil Traders			
CP-0019/2	Bansi Lal Gupta & Co. D 1			
CP-0019/FF-SF				







Project Detail	S	
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. Spl. D-1/ Shops	
2	Building Address	Anaz Mandi, Chandpol Jaipur	
3	Year of Construction	1973	
4	Number of Floors	G+2	
5	Number of Basements	None	
6	Type of Building	Residential	
7	Approximate Height	8m	
8	Approximate Area	100 Sq.m	
9	Age of Building	40 Years	
10	Type of Structure	Brick Stone Wall	
11	Type of Foundation	None	
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	Wall No.3& Outer Wall Main Gate House No. D-1, Ground Floor	Horizontal	2.5	8	Slight	6
2	Wall No. 3 Varanda House No. D-1, Second Floor	Horizontal	3	0.6	Slight	7
3	Wall No. 3 Room No. 1 House No. D-1, Second Floor	Inclined	2	1.2	Slight	8, 8A
4	Wall No. 3 Room No. 1 House No. D-1, Second Floor	Horizontal	2	0.5	Slight	9
5	Roof Room No. 1 House No. D-1, Second Floor	Horizontal	1.5	0.45	Slight	10
6	Wall No. 3 Room No. 2 House No. D-1, Second Floor	Vertical	1.5	0.25	Slight	11
7	Wall No. 4 Room No. 2 House No. D-1, Second Floor	Vertical	0.4	1.2	Very Slight	12, 12A
8	Wall No. 3 Room No. 2 House No. D-1, Second Floor	Inclined	2.5	1	Slight	13
9	Wall No. 3 Room No. 3 House No. D-1, Second Floor	Inclined	0.8	0.5	Very Slight	14
10	Wall No. 1 Room No. 3 House No. D-1, Second Floor	Inclined	1.5	0.5	Slight	15, 15A
11	Roof Varanda House No. D-1, Second Floor	Inclined	3	1	Slight	16
12	Wall No. 4 Room No. 6 House No. D-1, Second Floor	Inclined	0.4	1.4	Very Slight	17
13	Wall No. 3 Varanda 3 House No. D-1, Second Floor	Horizontal	10	2.5	Moderate	18
14	All wall Stair House No. D-1, Second Floor	Horizontal	10	6	Moderate	19
15	All wall Stair House No. D-1, Second Floor	Horizontal	10	6	Moderate	20

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
16	Wall No. 1 Room No. 2 House No. D-1, Ground Floor	Dampness/Seepage	21
17	Wall No. 2 Hall No. 2 House No. D-1, Ground Floor	Dampness/Seepage	22
18	Wall No. 1 Room No. 3 House No. D-1, First Floor	Dampness/Seepage	23
19	Roof Varanda House No. D-1, Second Floor	Exposed Reinforcement	24
20	Roof Varanda House No. D-1, Second Floor	Exposed Reinforcement	25
21	Wall No. 3 Varanda House No. D-1, Second Floor	Dampness/Seepage	26
22	Wall No. 3 Varanda House No. D-1, Second Floor	Dampness/Seepage	27
23	All wall Bathroom House No. D-1, Second Floor	Peeling of Plaster	28
24	Roof Room No. 1 House No. D-1, Second Floor	Exposed Reinforcement	29
25	Wall No. 3 Room No. 1 House No. D-1, Second Floor	Exposed Reinforcement	30
26	Wall No. 2 & Roof Room No. 2 House No. D-1, Second Floor	Exposed Reinforcement	31
27	Roof Room No. 2 House No. D-1, Second Floor	Damaged Portion	32
28	Roof Room No. 2 House No. D-1, Second Floor	Damaged Portion	33
29	Wall No. 3 Room No. 3 House No. D-1, Second Floor	Damaged Portion	34
30	Roof Room No. 3 House No. D-1, Second Floor	Damaged Portion	35
31	Roof Balcony House No. D-1, Second Floor	Exposed Reinforcement	36
32	Roof Balcony House No. D-1, Second Floor	Exposed Reinforcement	37
33	Roof Varanda House No. D-1, Second Floor	Exposed Reinforcement	38
34	Wall No. 3 Varanda House No. D-1, Second Floor	Dampness/Seepage	39
35	Roof Varanda House No. D-1, Second Floor	Damaged Portion	40
36	Wall No. 4, 2 & Roof Bathroom House No. D-1, Second Floor	Dampness/Seepage	41
37	Shade Varanda 3 House No. D-1, Second Floor	Damaged Portion	42
38	Shade Varanda 3 House No. D-1, Second Floor	Damaged Portion	43

39	Roof Room No. 6 House No. D-1, Second Floor	Dampness/Seepage	44
40	Beam Varanda 3 House No. D-1, Second Floor	Damaged Portion	45
41	Roof Balcony 2 House No. D-1, Second Floor	Damaged Portion	46
42	Roof Room No. 4 House No. D-1, Second Floor	Peeling of Plaster	47
43	Wall No. 3 & Roof Room No. 4 House No. D-1, Second Floor	Dampness/Seepage	48
44	Floor Terrace House No. D-1, Terrace	Plaster Crack	49
45	Floor Terrace House No. D-1, Terrace	Plaster Crack	50

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2 Room No. 2 House No. D-1, Ground Floor	Covered with Material	51
2	All wall Hall No. 2 House No. D-1, Ground Floor	Covered with Material	52
3	Wall No. 1 & 2 Room No. 4 House No. D-1, Ground Floor	Covered with Material	53
4	Wall No. 1 & 2 Hall No. 1 House No. D-1, Ground Floor	Covered with Material	54
5	All wall Room No. 1 House No. D-1, First Floor	Covered with Material	55
6	All wall Lobby House No. D-1, First Floor	Covered with Material	56
7	All wall Room No. 3 House No. D-1, First Floor	Covered with Material	57
8	Wall No. 4 Room No. 1 House No. D-1, Second Floor	Covered with Material	58
9	Store House No. D-1, Second Floor	Covered with Material	59







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



Photo 1 View of House No. D-1



Photo 2 View of Geeta Oil Company, House No. D-1, Ground Floor





Photo 3 View of Room No. 1, House No. D-1, Ground Floor



Photo 5 View of Room No. 2, House No. D-1, First Floor



Photo 4 View of Bansi Lal Gupta & Sons, House No. D-1, Ground Floor



Photo 6 Horizontal Crack on Wall No. 3 &Outer Wall of Main Gate, House No. D-1, Ground Floor,Approx. Width = 2.5mm, Approx. Length = 8m.Distance from Outer Wall No. 1 = 0m, Height from Floor = 8m.





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



Photo 7

Horizontal Crack on Wall No. 3 of Varanda, House No. D-1, Second Floor, Approx. Width = 3mm, Approx. Length = 0.6m. Distance from Wall Floor, Approx. Width = 2mm, Approx. Length = 1.2m. Distance from Wall No. 2 = 0.6m, Height from Floor = 2.45m.



Photo 8A



Photo 8

Inclined Crack on Wall No. 3 of Room No. 1, House No. D-1, Second No. 2 = 0.7m, Height from Floor = 1.9m.



Photo 9

Inclined Crack on Wall No. 3 of Room No. 1, House No. D-1, Second Floor, Approx. Width = 2mm, Approx. Length = 1.2m. Distance from Wall Floor, Approx. Width = 2mm, Approx. Length = 0.5m. Distance from Wall No. 2 = 0.7m, Height from Floor = 1..9m.



Photo 10 Horizontal Crack on Roof of Room No. 1, House No. D-1, Second Floor, Approx. Width = 1.5mm, Approx. Length = 0.45m. Distance from Wall No. 1 = 0m, Height from Floor = 3m.



Horizontal Crack on Wall No. 3 of Room No. 1, House No. D-1, Second No. 2 = 0m, Height from Floor = 3m.



<u>Photo 1</u>1 Vertical Crack on Wall No. 3 of Room No. 2, House No. D-1, Second Floor, Approx. Width = 1.5mm, Approx. Length = 0.25m. Distance from Wall No. 2 = 1m, Height from Floor = 2.75m.





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



Photo 12

Vertical Crack on Wall No. 4 of Room No. 2, House No. D-1, Second Floor,Approx. Width = 0.4mm, Approx. Length = 1.2m.Distance from Wall No. 1 = 1.3m, Height from Floor = 1.8m.



<u>Photo 1</u>3

Inclined Crack on Wall No. 3 of Room No. 2, House No. D-1, Second Floor, Approx. Width = 2.5mm, Approx. Length = 1m.Distance from Wall No. 2 = 0m, Height from Floor = 2m.



Photo 15 Inclined Crack on Wall No. 1 of Room No. 3, House No. D-1, Second Floor,Approx. Width = 1.5mm, Approx. Length = 0.5m.Distance from Wall No. 3 = 0m, Height from Floor = 1.6m.





Photo 12A Vertical Crack on Wall No. 4 of Room No. 2, House No. D-1, Second Floor,Approx. Width = 0.4mm, Approx. Length = 1.2m.Distance from Wall No. 1 = 1.3m, Height from Floor = 1.8m.



Photo 14

Inclined Crack on Wall No. 3 of Room No. 3, House No. D-1, Second Floor, Approx. Width = 0.8mm, Approx. Length = 0.5m. Distance from Wall No. 1 = 0.6m, Height from Floor = 2.5m.



Photo 15A Inclined Crack on Wall No. 1 of Room No. 3, House No. D-1, Second Floor,Approx. Width = 1.5mm, Approx. Length = 0.5m.Distance from Wall No. 3 = 0m, Height from Floor = 1.6m.





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



Photo 16 Inclined Crack on Roof of Varanda, House No. D-1, Second Floor, Approx. Width = 3mm, Approx. Length = 1m. Distance from Wall No. 3 = 0m, Height from Floor = 2.6m.



<u>Photo 1</u>8



Photo 17

Inclined Crack on Wall No. 4 of Room No. 6, House No. D-1, Second Floor, Approx. Width = 0.4mm, Approx. Length = 1.4m. Distance from Wall No. 2 = 0m, Height from Floor = 1.8m.



<u>Photo 1</u>9 Horizontal Crack on All wall of Stair, House No. D-1, Second Floor, Approx. Width = 10mm, Approx. Length = 6m. Distance from Wall

Horizontal Crack on Wall No. 3 of Varanda 3, House No. D-1, Second Floor, Approx. Width = 10mm, Approx. Length = 2.5m. Distance from = m, Height from Floor = 2.7m.



No. 3 = 0m, Height from Floor = 0.9m.



Photo 20 Horizontal Crack on All wall of Stair, House No. D-1, Second Floor, Approx. Width = 10mm, Approx. Length = 6m. Distance from Wall No. 3 = 0m, Height from Floor = 0.9m.

CONTINENTAL HOLD

<u>Photo 2</u>1 Dampness/Seepage on Wall No. 1 of Room No. 2 of House No. D-1, Ground Floor







Photo 22 Dampness/Seepage on Wall No. 2 of Hall No. 2 of House No. D-1, Ground Floor



Photo 23 Dampness/Seepage on Wall No. 1 of Room No. 3 of House No. D-1, First Floor





 Photo 24
 Photo 25

 Exposed Reinforcement on Roof of Varanda of House No. D-1, Second
 Exposed Reinforcement on Roof of Varanda of House No. D-1, Second

 Floor
 Floor



Photo 26 Dampness/Seepage on Wall No. 3 of Varanda of House No. D-1, Second Floor



Photo 27 Dampness/Seepage on Wall No. 3 of Varanda of House No. D-1, Second Floor









Photo 28 Peeling of Plaster on All wall of Bathroom of House No. D-1, Second Floor



Photo 29 Exposed Reinforcement on Roof of Room No. 1 of House No. D-1, Second Floor





 Photo 30
 Photo 31

 Exposed Reinforcement on Wall No. 3 of Room No. 1 of House No. D-1, Exposed Reinforcement on Wall No. 2 & Roof of Room No. 2 of House Second Floor
 No. D-1, Second Floor



Photo 32 Damaged Portion on Roof of Room No. 2 of House No. D-1, Second Floor



Photo 33 Damaged Portion on Roof of Room No. 2 of House No. D-1, Second Floor









Photo 34 Damaged Portion on Wall No. 3 of Room No. 3 of House No. D-1, Second Floor



Photo 35 Damaged Portion on Roof of Room No. 3 of House No. D-1, Second Floor





Photo 36 Exposed Reinforcement on Roof of Balcony of House No. D-1, Second Exposed Reinforcement on Roof of Balcony of House No. D-1, Second Floor Floor





Photo 38 Exposed Reinforcement on Roof of Varanda of House No. D-1, Second Floor

Photo 39 Dampness/Seepage on Wall No. 3 of Varanda of House No. D-1, Second Floor







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





Photo 40 Damaged Portion on Roof of Varanda of House No. D-1, Second Floor

Photo 41 Dampness/Seepage on Wall No. 4, 2 & Roof of Bathroom of House No. D-1, Second Floor





Photo 42 Damaged Portion on Shade of Varanda 3 of House No. D-1, Second Floor





<u>Photo 4</u>5

Photo 44 Dampness/Seepage on Roof of Room No. 6 of House No. D-1, Second Floor

Damaged Portion on Beam of Varanda 3 of House No. D-1, Second Floor







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





Photo 46 Damaged Portion on Roof of Balcony 2 of House No. D-1, Second Floor

Photo 47 Peeling of Plaster on Roof of Room No. 4 of House No. D-1, Second Floor





Photo 49

Plaster Crack on Floor of Terrace of House No. D-1, Terrace

Photo 48 Dampness/Seepage on Wall No. 3 & Roof of Room No. 4 of House No. D-1, Second Floor



Photo 50 Plaster Crack on Floor of Terrace of House No. D-1, Terrace



Photo 51 Wall No. 2 of Room No. 2 of House No. D-1, Ground Floor Covered with Material











Photo 52 All wall of Hall No. 2 of House No. D-1, Ground Floor Covered with Material

Photo 53 Wall No. 1 & 2 of Room No. 4 of House No. D-1, Ground Floor Covered with Material





Photo 54 Wall No. 1 & 2 of Hall No. 1 of House No. D-1, Ground Floor Covered with Material





Photo 56 All wall of Lobby of House No. D-1, First Floor Covered with Material



Photo 57 All wall of Room No. 3 of House No. D-1, First Floor Covered with Material









Photo 58 Wall No. 4 of Room No. 1 of House No. D-1, Second Floor Covered with Material



Photo 59 Store of House No. D-1, Second Floor Covered with Material



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



Chandpole Compound Wall Chandpole Gate Jaipur Unique ID: CP 0020 Part 1

Report Number: AIMIL/ESG/JMCEC/CP 0020 P1/01, 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

	Table of Contents	3	
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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	05/01/2014		
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 2 floors. The structure was constructed in year 1727 and is 286 years old.

There are 102 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 II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	5	38.46%
Slight (1 to 5mm)	8	61.54%
Moderate (5 to 15mm)	0	0%
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 2.38m. The maximum crack width is 3.5mm and minimum width is 0.5mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0020	Chandpole Compound Wall			







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	Chandpole Compound Wall	
2	Building Address	Chandpole Compound Wall Chandpole Gate Jaipur	
3	Year of Construction	1727	
4	Number of Floors	G+1	
5	Number of Basements	None	
6	Type of Building	Commercial	
7	Approximate Height	7m	
8	Approximate Area	Not Known	
9	Age of Building	286 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	L/s Vertical Slab No.63 Terrace of G/F (L/S Compound Wall)	Inclined	0.8	1.6	Very Slight	10, 10A
2	L/S Vertical Slab No.76 Terrace of G/F (L/S Compound Wall)	Inclined	0.6	1.3	Very Slight	11, 11A
3	Stair Case GF to Terrace (L/S Compound Wall)	Horizontal	0.5	1.1	Very Slight	12, 12A
4	Stair Case GF to Terrace (L/S Comp. Wall)	Inclined	1	3	Slight	13, 13A
5	Stair Case GF to Terrace (L/S Comp. Wall)	Inclined	1	3	Slight	14, 14A
6	Stair Case GF to Terrace (L/S Comp. Wall)	Inclined	1.5	2.2	Slight	15, 15A
7	Stair Case GF to Terrace (L/S Comp. Wall)	Inclined	1.5	2.2	Slight	16, 16A
8	Stair Case GF to Terrace (L/S Comp.Wall)	Inclined	1	2.4	Slight	17, 17A
9	Stair Case GF to Terrace (L/S Comp.Wall)	Inclined	3.5	2.8	Slight	18, 18A
10	Vertical Slab no.1 Ground Floor L/S	Inclined	1	1.3	Slight	19
11	Vertical Slab no.1&2	Inclined	0.8	4.5	Very Slight	20
12	Vertical Slab no.5	Inclined	1	4	Slight	21
13	Vertical Slab no.6	Inclined	0.6	1.5	Very Slight	22

Summary of Defects Other Than Crack					
Defect ID	Location	Description	Photo No.		
14	L/s Vertical Slab No.2 Terrace of G/F (L/S Compound Wall)	Plaster Crack	23		
15	L/s Vertical Slab No.3 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	24		
16	L/s Vertical Slab No.4 Terrace of G/F (L/S Compound Wall)	Plaster Crack	25		
17	L/s Vertical Slab No.4 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	26		
18	L/s Vertical Slab No.5 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	27		
19	L/s Vertical Slab No.6 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	28		
20	L/s Vertical Slab No.7 Terrace of G/F (L/S Compound Wall)	Plaster Crack	29		
21	L/s Vertical Slab No.9 Terrace of G/F (L/S Compound Wall)	Plaster Crack	30		
22	L/s Vertical Slab No.10 Terrace of G/F (L/S Compound Wall)	Plaster Crack	31		
23	L/s Vertical Slab No.11 Terrace of G/F (L/S Compound Wall)	Plaster Crack	32		
24	L/s Vertical Slab No.12 Terrace of G/F (L/S Compound Wall)	Plaster Crack	33		
25	L/s Vertical Slab No.13 Terrace of G/F (L/S Compound Wall)	Plaster Crack	34		
26	L/s Vertical Slab No.18 Terrace of G/F (L/S Compound Wall)	Plaster Crack	35		
27	L/s Vertical Slab No.19 Terrace of G/F (L/S Compound Wall)	Plaster Crack	36		
28	L/s Vertical Slab No.21 Terrace of G/F (L/S Compound Wall)	Plaster Crack	37		
29	L/s Vertical Slab No.22 Terrace of G/F (L/S Compound Wall)	Plaster Crack	38		
30	L/s Vertical Slab No.23 Terrace of G/F (L/S Compound Wall)	Plaster Crack	39		

31	L/s Vertical Slab No.24 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	40
32	L/s Vertical Slab No.35 Terrace of G/F (L/S Compound Wall)	Plaster Crack	41
33	L/s Vertical Slab No.38 Terrace of G/F (L/S Compound Wall)	Plaster Crack	42
34	L/s Vertical Slab No.42 Terrace of G/F (L/S Compound Wall)	Plaster Crack	43
35	L/s Vertical Slab No.44 Terrace of G/F (L/S Compound Wall)	Plaster Crack	44
36	L/s Vertical Slab No.45 (Joint Opening) Terrace of G/F (L/S Compound Wall)	Damaged Portion	45
37	L/s Vertical Slab No.46 Terrace of G/F (L/S Compound Wall)	Plaster Crack	46
38	L/s Vertical Slab No.47 Terrace of G/F (L/S Compound Wall)	Plaster Crack	47
39	L/s Vertical Slab No.48 Terrace of G/F (L/S Compound Wall)	Plaster Crack	48
40	L/s Vertical Slab No.50 Terrace of G/F (L/S Compound Wall)	Plaster Crack	49
41	L/s Vertical Slab No.51 Terrace of G/F (L/S Compound Wall)	Plaster Crack	50
42	L/s Vertical Slab No.52 Terrace of G/F (L/S Compound Wall)	Plaster Crack	51
43	L/s Vertical Slab No.54 Terrace of G/F (L/S Compound Wall)	Plaster Crack	52
44	L/s Vertical Slab No.55 Terrace of G/F (L/S Compound Wall)	Plaster Crack	53
45	L/s Vertical Slab No.57 Terrace of G/F (L/S Compound Wall)	Plaster Crack	54
46	L/s Vertical Slab No.63 Terrace of G/F (L/S Compound Wall)	Plaster Crack	55
47	L/s Vertical Slab No.64 Terrace of G/F (L/S Compound Wall)	Plaster Crack	56
48	L/s Vertical Slab No.65 Terrace of G/F (L/S Compound Wall)	Plaster Crack	57
49	L/s Vertical Slab No.65 (Joint Opening) Terrace of G/F (L/S Compound Wall)	Damaged Portion	58
50	L/s Vertical Slab No.66 Terrace of G/F (L/S Compound Wall)	Plaster Crack	59
51	L/s Vertical Slab No.67 Terrace of G/F (L/S Compound Wall)	Plaster Crack	60
52	L/s Vertical Slab No.68 Terrace of G/F (L/S Compound Wall)	Plaster Crack	61
53	Top of Slab No. 72 & 73 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	62
54	Center pillar outer wall 3 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	63
55	Center pillar outer wall 5&6 Terrace of G/F (L/S Compound Wall)	Plaster Crack	64
56	Center pillar Wall 6 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	65
57	Center pillar wall 7 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	66
58	Center pillar wall 10 Terrace of G/F (L/S Compound Wall)	Plaster Crack	67
59	Center pillar wall 12 Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	68
60	Stair Step from Terrace to top of Center pillar Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	69
61	Floor center pillar Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	70
62	Pillar 1 outer Wall Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	71
63	Pillar 1 outer Wall Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	72
64	Pillar 1 outer Wall Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	73
65	Pillar 1 outer Wall Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	74
66	Floor of terrace of G/F (L/S Compound Wall)	Damaged Portion	75

67	Floor Stair case GF to Terrace of G/F (L/S Compound Wall)	Dampness/Seepage	76
68	Floor Stair case GF to Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	77
69	Stair Case GF to Terrace of G/F (L/S Compound Wall)	Plaster Crack	78
70	Stair Case GF to Terrace of G/F (L/S Compound Wall)	Plaster Crack	79
71	Stair Case GF to Terrace of G/F (L/S Compound Wall)	Plaster Crack	80
72	Stair Case GF to Terrace of G/F (L/S Compound Wall)	Dampness/Seepage	81
73	Stair Case GF to Terrace of G/F (L/S Compound Wall)	Dampness/Seepage	82
74	Stair Case GF to Terrace of G/F (L/S Compound Wall)	Peeling of Plaster	83
75	Stair Case GF to Terrace of G/F (L/S Compound Wall)	Dampness/Seepage	84
76	Roof Stair Case GF to Terrace of G/F (L/S Compound Wall)	Dampness/Seepage	85
77	Roof Stair Case GF to Terrace of G/F (L/S Compound Wall)	Dampness/Seepage	86
78	Roof Stair Case GF to Terrace of G/F (L/S Compound Wall)	Dampness/Seepage	87
79	Vertical Slab no.5	Peeling of Plaster	88
80	Vertical Slab no.7	Peeling of Plaster	89
81	Vertical Slab no.8 & 9	Plaster Crack	90
82	Vertical Slab no.11	Plaster Crack	91
83	Vertical Slab no.14&15	Plaster Crack	92
84	Vertical Slab no.15&16	Plaster Crack	93
85	Vertical Slab no.17&18	Peeling of Plaster	94
86	Vertical Slab no.20	Peeling of Plaster	95
87	Vertical Slab no.21	Peeling of Plaster	96
88	Vertical Slab no.22	Peeling of Plaster	97
89	Vertical Slab no.24	Peeling of Plaster	98
90	Vertical Slab no.25	Peeling of Plaster	99
91	Vertical Slab no.26	Peeling of Plaster	100
92	Vertical Slab no.26	Plaster Crack	101
93	Vertical Slab no.27	Peeling of Plaster	102
94	Vertical Slab no. 28 & 29	Peeling of Plaster	103
95	Vertical Slab no.29	Peeling of Plaster	104
96	Vertical Slab no.30	Dampness/Seepage	105
97	Gate at Left Side	Peeling of Plaster	106
98	Gate at Left Side	Peeling of Plaster	107
99	Gate L/s	Peeling of Plaster	108
100	inside L/s Gate	Peeling of Plaster	109
101	inside/ Back Side L/s Gate	Peeling of Plaster	110
102	inside/ Back Side L/s Gate	Peeling of Plaster	111

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









Photo 1 R/S Compound wall (towards CP to CC)



Photo 2 General View of Terrace of left side compound Wall Towards CP To CC, Terrace of G/F (L/S Compound Wall)





Photo 3 General View of Terrace of left side compound Wall Towards CP To CC, Terrace of G/F (L/S Compound Wall)





Photo 5 General View of Terrace of left side compound Wall Towards CP To CC, Terrace of G/F (L/S Compound Wall)



Photo 6 General View of Terrace of left side compound Wall Towards CP To CC, Terrace of G/F (L/S Compound Wall)







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



Photo 7 Wall No. 4 of Stair Case is Tilted according to normal Verticality, Terrace of G/F (L/S Compound Wall)



Photo 8 L/S Compound Wall,



Photo 9 View of L/s Gate,



Photo 10A

Inclined Crack on of L/s Vertical Slab No.63, Terrace of G/F (L/S Compound Wall), Approx. Width = 0.8mm, Approx. Length = 1.6m. Distance from Slab No.62 = 1.38m, Height from Floor = 0m.



Photo 10 Inclined Crack on of L/s Vertical Slab No.63, Terrace of G/F (L/S Compound Wall),Approx. Width = 0.8mm, Approx. Length = 1.6m. Distance from Slab No.62 = 1.38m, Height from Floor = 0m.



Photo 11 Inclined Crack on of L/S Vertical Slab No.76, Terrace of G/F (L/S Compound Wall),Approx. Width = 0.6mm, Approx. Length = 1.3m. Distance from Slab No. 75 = 0.13m, Height from Floor = 0m.





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



Photo 11A

Inclined Crack on of L/S Vertical Slab No.76, Terrace of G/F (L/S Compound Wall), Approx. Width = 0.6mm, Approx. Length = 1.3m. Distance from Slab No. 75 = 0.13m, Height from Floor = 0m.



Photo 12A





Photo 13A

Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall),Approx. Width = 1mm, Approx. Length = 3m. Distance from Wall 2 = 2.5m, Height from Floor = 0.8m.





Photo 12 Horizontal Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall),Approx. Width = 0.5mm, Approx. Length = 1.1m. Distance from Wall 7 = 1.42m, Height from Floor = 1.6m.



Photo 13

Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall), Approx. Width = 1mm, Approx. Length = 3m. Distance from Wall 2 = 2.5m, Height from Floor = 0.8m.



Photo 14 Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall),Approx. Width = 1mm, Approx. Length = 3m. Distance from Wall 15 = 1.48m, Height from Floor = 0m.





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



Photo 14A Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall),Approx. Width = 1mm, Approx. Length = 3m. Distance from Wall 15 = 1.48m, Height from Floor = 0m.



Photo 15A

Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall), Approx. Width = 1.5mm, Approx. Length = 2.2m. Distance from Wall 15 = 1.6m, Height from Floor = 0m.



Photo 16A Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall) Approx. Width = 1.5mm, Approx. Length = 2.2m. Distance from Wall 15 = 2.2m, Height from Floor = 0.9m.





Photo 15 Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall),Approx. Width = 1.5mm, Approx. Length = 2.2m. Distance from Wall 15 = 1.6m, Height from Floor = 0m.



Photo 16

Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall), Approx. Width = 1.5mm, Approx. Length = 2.2m. Distance from Wall 15 = 2.2m, Height from Floor = 0.9m.



Photo 17 Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall) Approx. Width = 1mm, Approx. Length = 2.4m. Distance from Wall 15 = 0.25m, Height Floor = 0m.





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



Photo 17A Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall) Approx. Width = 1mm, Approx. Length = 2.4m. Distance from Wall 15 = 0.25m, Height from Floor = 0m.





Photo 18 Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall) Approx. Width = 3.5mm, Approx. Length = 2.8m. Distance from Wall 3 = 0.4m



Photo 18A

Inclined Crack on of Stair Case GF to Terrace, Terrace of G/F (L/S Compound Wall) Approx. Width = 3.5mm, Approx. Length = 2.8m. Distance from Wall 3 = 0.4m



Photo 20 Inclined Crack on of Vertical Slab no.1&2, Approx. Width = 0.8mm, Approx. Length = 4.5m. Distance from Slab No. 2 = 0.1m, Height from Floor = 2m.



Photo 19 Inclined Crack on of Vertical Slab no.1, Ground Floor L/S Approx. Width = 1mm, Approx. Length = 1.3m. Distance from Slab No. 2 = 0.2m, Height from Floor = 6m.



Photo 21 Inclined Crack on of Vertical Slab no.5, Approx. Width = 1mm, Approx. Length = 4m. Distance from Slab No. 6 = 0.5m, Height from Floor = 2m.







Photo 22 Inclined Crack on of Vertical Slab no.6, Approx. Width = 0.6mm, Approx. Length = 1.5m. Distance from Slab No.7 = 0.6m, Height from Floor = 2m.



Photo 23 Plaster Crack on of L/s Vertical Slab No.2 of Terrace of G/F (L/S Compound Wall)





Photo 24 Peeling of Plaster on of L/s Vertical Slab No.3 of Terrace of G/F (L/S Compound Wall)

Photo 25 Plaster Crack on of L/s Vertical Slab No.4 of Terrace of G/F (L/S Compound Wall)



Photo 26 Peeling of Plaster on of L/s Vertical Slab No.4 of Terrace of G/F (L/S Compound Wall)



Photo 27 Peeling of Plaster on of L/s Vertical Slab No.5 of Terrace of G/F (L/S Compound Wall)









Photo 28 Peeling of Plaster on of L/s Vertical Slab No.6 of Terrace of G/F (L/S Compound Wall)



Photo 29 Plaster Crack on of L/s Vertical Slab No.7 of Terrace of G/F (L/S Compound Wall)





Photo 30 Plaster Crack on of L/s Vertical Slab No.9 of Terrace of G/F (L/S Compound Wall)

Photo 31 Plaster Crack on of L/s Vertical Slab No.10 of Terrace of G/F (L/S Compound Wall)



Photo 32 Plaster Crack on of L/s Vertical Slab No.11 of Terrace of G/F (L/S Compound Wall)



Photo 33 Plaster Crack on of L/s Vertical Slab No.12 of Terrace of G/F (L/S Compound Wall)









Photo 34 Plaster Crack on of L/s Vertical Slab No.13 of Terrace of G/F (L/S Compound Wall)



Photo 35 Plaster Crack on of L/s Vertical Slab No.18 of Terrace of G/F (L/S Compound Wall)





Photo 36 Plaster Crack on of L/s Vertical Slab No.19 of Terrace of G/F (L/S Compound Wall)





Photo 38 Plaster Crack on of L/s Vertical Slab No.22 of Terrace of G/F (L/S Compound Wall)



Photo <u>3</u>9 Plaster Crack on of L/s Vertical Slab No.23 of Terrace of G/F (L/S Compound Wall)









Photo 40 Peeling of Plaster on of L/s Vertical Slab No.24 of Terrace of G/F (L/S Compound Wall)



Photo 41 Plaster Crack on of L/s Vertical Slab No.35 of Terrace of G/F (L/S Compound Wall)





Photo 42 Plaster Crack on of L/s Vertical Slab No.38 of Terrace of G/F (L/S Compound Wall)

Photo 43 Plaster Crack on of L/s Vertical Slab No.42 of Terrace of G/F (L/S Compound Wall)



Photo 44 Plaster Crack on of L/s Vertical Slab No.44 of Terrace of G/F (L/S Compound Wall)



Photo 45 Damaged Portion on of L/s Vertical Slab No.45 (Joint Opening) of Terrace of G/F (L/S Compound Wall)









Photo 46 Plaster Crack on of L/s Vertical Slab No.46 of Terrace of G/F (L/S Compound Wall)



Photo 47 Plaster Crack on of L/s Vertical Slab No.47 of Terrace of G/F (L/S Compound Wall)





Photo 48 Plaster Crack on of L/s Vertical Slab No.48 of Terrace of G/F (L/S Compound Wall)

Photo 49 Plaster Crack on of L/s Vertical Slab No.50 of Terrace of G/F (L/S Compound Wall)



Photo 50 Plaster Crack on of L/s Vertical Slab No.51 of Terrace of G/F (L/S Compound Wall)



Photo 51 Plaster Crack on of L/s Vertical Slab No.52 of Terrace of G/F (L/S Compound Wall)









Photo 52 Plaster Crack on of L/s Vertical Slab No.54 of Terrace of G/F (L/S Compound Wall)



Photo 53 Plaster Crack on of L/s Vertical Slab No.55 of Terrace of G/F (L/S Compound Wall)





Photo 54 Plaster Crack on of L/s Vertical Slab No.57 of Terrace of G/F (L/S Compound Wall)

Photo 55 Plaster Crack on of L/s Vertical Slab No.63 of Terrace of G/F (L/S Compound Wall)



Photo 56 Plaster Crack on of L/s Vertical Slab No.64 of Terrace of G/F (L/S Compound Wall)



Photo 57 Plaster Crack on of L/s Vertical Slab No.65 of Terrace of G/F (L/S Compound Wall)








Photo 58 Damaged Portion on of L/s Vertical Slab No.65 (Joint Opening) of Terrace of G/F (L/S Compound Wall)



Photo 59 Plaster Crack on of L/s Vertical Slab No.66 of Terrace of G/F (L/S Compound Wall)





Photo 60 Plaster Crack on of L/s Vertical Slab No.67 of Terrace of G/F (L/S Compound Wall)

Photo 61 Plaster Crack on of L/s Vertical Slab No.68 of Terrace of G/F (L/S Compound Wall)



Photo 62 Peeling of Plaster on Top of Slab No. 72 & 73 of Terrace of G/F (L/S Compound Wall)



Photo 63 Peeling of Plaster on Center pillar outer wall 3 of Terrace of G/F (L/S Compound Wall)







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



Photo 64 Plaster Crack on Center pillar outer wall 5&6 of Terrace of G/F (L/S Compound Wall)



Photo 65 Peeling of Plaster on Center pillar Wall 6 of Terrace of G/F (L/S Compound Wall)





Photo 67

Plaster Crack on Center pillar wall 10 of Terrace of G/F (L/S Compound

Wall)

Photo 66 Peeling of Plaster on Center pillar wall 7 of Terrace of G/F (L/S Compound Wall)



Photo 68 Peeling of Plaster on Center pillar wall 12 of Terrace of G/F (L/S Compound Wall)



Photo 69 Peeling of Plaster on Stair Step from Terrace to top of Center pillar of Terrace of G/F (L/S Compound Wall)









Photo 70 Peeling of Plaster on Floor of center pillar of Terrace of G/F (L/S Compound Wall)



Photo 71
Peeling of Plaster on Pillar 1 outer Wall of Terrace of G/F (L/S
Compound Wall)



Peeling of Plaster on Pillar 1 outer Wall of Terrace of G/F (L/S Compound Wall)



Photo 73 Peeling of Plaster on Pillar 1 outer Wall of Terrace of G/F (L/S Compound Wall)



Photo 74 Peeling of Plaster on Pillar 1 outer Wall of Terrace of G/F (L/S Compound Wall)





Photo 75 Damaged Portion on Floor of Floor of terrace of Terrace of G/F (L/S Compound Wall)









 Photo 76
 Photo 7

 Dampness/Seepage on Floor of Stair case GF to Terrace of Terrace of Terrace of Peeling of Plaster on Floor of Stair case GF to Terrace of G/F
 G/F (L/S Compound Wall)





Photo 78 Plaster Crack on of Stair Case GF to Terrace of Terrace of G/F (L/S Compound Wall)





Photo 80 Plaster Crack on Stair Case GF to Terrace of G/F (L/S Compound Wall)



Photo 81 Dampness/Seepage on Stair Case GF to Terrace of Terrace of G/F (L/S Compound Wall)









Photo 82 Dampness/Seepage on Stair Case GF to Terrace of Terrace of G/F (L/S Compound Wall)



Photo 83 Peeling of Plaster on Stair Case GF to Terrace of G/F (L/S Compound Wall)





Photo 84 Dampness/Seepage on Stair Case GF to Terrace of G/F (L/S Compound Wall)

Photo 85 Dampness/Seepage on Roof of Stair Case GF to Terrace of Terrace of G/F (L/S Compound Wall)





 Photo 86
 Photo 87

 Dampness/Seepage on Roof of Stair Case GF to Terrace of Terrace of Terrace of G/F (L/S Compound Wall)
 Dampness/Seepage on Roof of Stair Case GF to Terrace of Terrace of G/F (L/S Compound Wall)









Photo 88 Peeling of Plaster on Vertical Slab no. 5



Photo 89 Peeling of Plaster on Vertical Slab no.7





Photo 90 Plaster Crack on Vertical Slab no. 8 & 9



Photo 92 Plaster Crack on Vertical Slab no.14&15



Photo 91 Plaster Crack on Vertical Slab no.11



Photo 93 Plaster Crack on Vertical Slab no.15&16







Photo 94 Peeling of Plaster on Vertical Slab no.17&18



Photo 95 Peeling of Plaster on Vertical Slab no.20





Photo 96 Peeling of Plaster on Vertical Slab no.21

Photo 97 Peeling of Plaster on Vertical Slab no.22



Photo 98 Peeling of Plaster on Vertical Slab no.24





Photo 99 Peeling of Plaster on Vertical Slab no.25







Photo 100 Peeling of Plaster on Vertical Slab no.26



Photo 101 Plaster Crack on Vertical Slab no.26





Photo 102 Peeling of Plaster on Vertical Slab no.27

Photo 103 Peeling of Plaster on Vertical Slab no. 28 & 29



Photo 104 Peeling of Plaster on Vertical Slab no.29





Photo 105 Dampness/Seepage on Vertical Slab no.30







Photo 106 Peeling of Plaster on Gate at Left Side



Photo 107 Peeling of Plaster on Gate at Left Side





Photo 108 Peeling of Plaster on Gate L/s

Photo 109 Peeling of Plaster on inside L/s Gate



Photo 110 Peeling of Plaster on inside/ Back Side L/s Gate



Photo 111 Peeling of Plaster on inside/ Back Side L/s Gate



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



Chandpole Compound Wall Chandpole Gate Jaipur Unique ID: CP 0020 Part 2

Report Number: AIMIL/ESG/JMCEC/CP 0020 P2/01, 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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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	05/01/2014	
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 2 floors. The structure was constructed in year 1727 and is 286 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				
CP/0020	Chandpole Compound Wall			







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	Chandpole Compound Wall		
2	Building Address	Chandpole Compound Wall Chandpole Gate Jaipur		
3	Year of Construction	1727		
4	Number of Floors	G+1		
5	Number of Basements	None		
6	Type of Building	Commercial		
7	Approximate Height	7m		
8	Approximate Area	Not Known		
9	Age of Building	286 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.
	Summary of Defects Other Than Crack					
Defect ID	Defect ID Location Description			Photo No.		
1	1 Vertical Slabs/ Wall Damaged Portion		2			

Summary of Areas that Could not be Surveyed					
Serial No.	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 R/S Compound wall (towards CP to CC)



Photo 2 Damaged Portion on of Vertical Slabs/ Wall



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



Chandpole Compound Wall Chandpole Gate Jaipur Unique ID: CP 0020 Part 3

Report Number: AIMIL/ESG/JMCEC/CP 0020 P3/01, 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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	05/01/2014		
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 2 floors. The structure was constructed in year 1727 and is 286 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				
CP/0020	Chandpole Compound Wall			







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	Chandpole Compound Wall	
2	Building Address	Chandpole Compound Wall Chandpole Gate Jaipur	
3	Year of Construction	1727	
4	Number of Floors	G+1	
5	Number of Basements	None	
6	Type of Building	Commercial	
7	Approximate Height	7m	
8	Approximate Area	Not Known	
9	Age of Building	286 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.

	Summary of Defects Other Than Crack				
Defect ID	Location	Description	Photo No.		
1	Vertical Slab No. 64	Peeling of Plaster	2		
2	Vertical Slab No. 63	Peeling of Plaster	3		
3	Vertical Slab No. 62	Peeling of Plaster	4		
4	Vertical Slab No. 61	Peeling of Plaster	5		
5	Vertical Slab No. 60	Peeling of Plaster	6		
6	Vertical Slab No.57 &58	Peeling of Plaster	7		
7	Vertical Slab No.57	Peeling of Plaster	8		

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









Photo 1 R/S Compound wall (towards CP to CC)



Photo 2 Peeling of Plaster on of Vertical Slab No. 64



Peeling of Plaster on of Vertical Slab No. 63



Photo 5 Peeling of Plaster on of Vertical Slab No. 61





Peeling of Plaster on of Vertical Slab No. 62



Photo 6 Peeling of Plaster on of Vertical Slab No. 60







Photo 7 Peeling of Plaster on of Vertical Slab No.57 &58



Photo 8 Peeling of Plaster on of Vertical Slab No.57



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



Chandpole Compound Wall Chandpole Gate Jaipur Unique ID: CP 0020 Part 4

Report Number: AIMIL/ESG/JMCEC/CP 0020 P4/01, 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

Table of Contents				
S.No.	Particulars	Page No.		
1	Introduction	2		
2	Survey Details	2		
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	05/01/2014		
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 2 floors. The structure was constructed in year 1727 and is 286 years old.

There are 29 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 II (Slight)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	3	50%
Slight (1 to 5mm)	3	50%
Moderate (5 to 15mm)	0	0%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 1.1mm and average length of cracks is 2.83m. The maximum crack width is 3mm and minimum width is 0.5mm.

Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures	
CP/0020	Chandpole Compound Wall			







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	Chandpole Compound Wall	
2	Building Address	Chandpole Compound Wall Chandpole Gate Jaipur	
3	Year of Construction	1727	
4	Number of Floors	G+1	
5	Number of Basements	None	
6	Type of Building	Commercial	
7	Approximate Height	7m	
8	Approximate Area	Not Known	
9	Age of Building	286 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	Sky open Area on Terrace of G/F (R/S Compound Wall)	Inclined	1	2	Slight	3
2	Sky open Area on Terrace of G/F (R/S Compound Wall)	Inclined	1	2	Slight	4
3	Outer Side of Slab No. 5 Terrace of G/F (R/S Compound Wall)	Inclined	3	1.5	Slight	5
4	Outer Side of Slab No. 7 Terrace of G/F (R/S Compound Wall)	Inclined	0.5	3	Very Slight	6
5	Outer Side Slab No. 16 Terrace of G/F (R/S Compound Wall)	Inclined	0.5	5	Very Slight	7
6	Outer Side Slab No. 20 Terrace of G/F (R/S Compound Wall)	Inclined	0.6	3.5	Very Slight	8

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
7	Vertical Slab no. 1 on Terrace of G/F (R/S Compound Wall)	Plaster Crack	9
8	Top of Slab No.1 on Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	10
9	L/s Vertical Slab no. 7 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	11
10	L/s Vertical Slab No.7 & Floor (Joint Opening) Terrace of G/F (R/S Compound Wall)	Damaged Portion	12
11	L/s Vertical Slab no.11 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	13
12	L/s Vertical Slab No.11 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	14
13	L/s Vertical Slab No.12 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	15
14	L/s Vertical Slab No.13 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	16
15	L/s Vertical Slab No.13 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	17
16	L/s Vertical Slab No.14 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	18
17	L/s Vertical Slab No.15 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	19
18	L/s Vertical Slab No. 20 Terrace of G/F (R/S Compound Wall)	Plaster Crack	20
19	L/s Vertical Slab No. 21 Terrace of G/F (R/S Compound Wall)	Plaster Crack	21
20	R/s Vertical Slab No. 37 Terrace of G/F (R/S Compound Wall)	Plaster Crack	22
21	R/s Vertical Slab No. 35 Terrace of G/F (R/S Compound Wall)	Plaster Crack	23
22	R/s Vertical Slab No. 34 Terrace of G/F (R/S Compound Wall)	Plaster Crack	24
23	R/s Vertical Slab No. 31 Terrace of G/F (R/S Compound Wall)	Plaster Crack	25
24	R/s Vertical Slab No. 30 Terrace of G/F (R/S Compound Wall)	Plaster Crack	26
25	R/s Vertical Slab No. 27 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	27
26	R/s Vertical Slab No. 21&22 Terrace of G/F (R/S Compound Wall)	Plaster Crack	28
27	R/s Vertical Slab No. 1 & Gate Wall (Joint Opening) Terrace of G/F (R/S Compound Wall)	Damaged Portion	29

28	Outer side Slab No. 6,7,8 &9 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	30
29	Outer Side Slab No. 10 Terrace of G/F (R/S Compound Wall)	Plaster Crack	31

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 R/S Compound wall (towards CP to CC)



Photo 2 R/S Compound wall (towards CP to CC), Terrace of G/F (R/S Compound Wall)





Photo 3 Inclined Crack on Sky open Area on Terrace of G/F (R/S Compound Wall),Approx. Width = 1mm, Approx. Length = 2m

Photo 4 Inclined Crack on Sky open Area on Terrace of G/F (R/S Compound Wall),Approx. Width = 1mm, Approx. Length = 2m



Photo 5 Inclined Crack on Outer Side of Slab No. 5, Terrace of G/F (R/S Compound Wall), Approx. Width = 3mm, Approx. Length = 1.5m.Distance from Slab No. 4 = 0m, Height from Floor = 8m.





Photo 6

Inclined Crack on Outer Side of Slab No. 7, Terrace of G/F (R/S Compound Wall),Approx. Width = 0.5mm, Approx. Length = 3m.Distance from Slab No. 8 = 0.2m, Height from Floor = 1.5m.





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



Photo 7

Inclined Crack on Outer Side Slab No. 16, Terrace of G/F (R/S Compound Wall),Approx. Width = 0.5mm, Approx. Length = 5m.Distance from Slab No.15 = 0.05m, Height from Floor = 1.5m.



Photo 9 Plaster Crack on Vertical Slab no. 1 on Terrace of G/F (R/S Compound Wall)



Photo 11 Peeling of Plaster on L/s Vertical Slab no. 7 of Terrace of G/F (R/S Compound Wall)





Photo 8

Inclined Crack on Outer Side Slab No. 20, Terrace of G/F (R/S Compound Wall), Approx. Width = 0.6mm, Approx. Length = 3.5m.Distance from Slab No. 19 = 0.25m, Height from Floor = 3m.



Photo 10 Peeling of Plaster on Top of Slab No.1 on Terrace of G/F (R/S Compound Wall)



Photo 12 Damaged Portion on L/s Vertical Slab No.7 & Floor (Joint Opening) of Terrace of G/F (R/S Compound Wall)







Photo 13 Peeling of Plaster on L/s Vertical Slab no.11 of Terrace of G/F (R/S Compound Wall)



Photo 14 Peeling of Plaster on L/s Vertical Slab No.11 of Terrace of G/F (R/S Compound Wall)





Photo 15 Peeling of Plaster on L/s Vertical Slab No.12 of Terrace of G/F (R/S Compound Wall)

Photo 16 Peeling of Plaster on L/s Vertical Slab No.13 of Terrace of G/F (R/S Compound Wall)



Photo 17 Peeling of Plaster on L/s Vertical Slab No.13 of Terrace of G/F (R/S Compound Wall)



Photo 18 Peeling of Plaster on L/s Vertical Slab No.14 of Terrace of G/F (R/S Compound Wall)









Photo 19 Peeling of Plaster on L/s Vertical Slab No.15 of Terrace of G/F (R/S Compound Wall)



Photo 20 Plaster Crack on L/s Vertical Slab No. 20 of Terrace of G/F (R/S Compound Wall)





Photo 21 Plaster Crack on L/s Vertical Slab No. 21 of Terrace of G/F (R/S Compound Wall)

Photo 22 Plaster Crack on R/s Vertical Slab No. 37 of Terrace of G/F (R/S Compound Wall)



Photo 23 Plaster Crack on R/s Vertical Slab No. 35 of Terrace of G/F (R/S Compound Wall)



Photo 24 Plaster Crack on R/s Vertical Slab No. 34 of Terrace of G/F (R/S Compound Wall)









Photo 25 Plaster Crack on R/s Vertical Slab No. 31 of Terrace of G/F (R/S Compound Wall)



Photo 26 Plaster Crack on R/s Vertical Slab No. 30 of Terrace of G/F (R/S Compound Wall)





Photo 27 Peeling of Plaster on R/s Vertical Slab No. 27 of Terrace of G/F (R/S Compound Wall)

Photo 28 Plaster Crack on R/s Vertical Slab No. 21&22 of Terrace of G/F (R/S Compound Wall)



Photo 29 Damaged Portion on R/s Vertical Slab No. 1 & Gate Wall (Joint Opening) of Terrace of G/F (R/S Compound Wall)











Photo 31 Plaster Crack on Outer Side Slab No. 10 of Terrace of G/F (R/S Compound Wall)



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



Chandpole Compound Wall Chandpole Gate Jaipur Unique ID: CP 0020 Part 5

Report Number: AIMIL/ESG/JMCEC/CP 0020 P5/01, 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

Table of Contents			
S.No.	Particulars	Page No.	
1	Introduction	2	
2	Survey Details	2	
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 inhabitated 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	05/01/2014	
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 2 floors. The structure was constructed in year 1727 and is 286 years old.

There are 78 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 III (Moderate)

Category	Number of Cracks	% of Total Cracks
Negligible (< 0.1mm)	0	0%
Very Slight (0.1 to 1mm)	3	17.65%
Slight (1 to 5mm)	12	70.59%
Moderate (5 to 15mm)	2	11.76%
Severe (15 to 25mm)	0	0%
Very Severe (>25mm)	0	0%

The average width of cracks is 2.33mm and average length of cracks is 3.88m. The maximum crack width is 6mm and minimum width is 0.5mm.

Building Ownership Details								
Unique ID/Sub ID	Unique ID/Sub ID Premises Name Owner Signatures							
CP/0020	Chandpole Compound Wall							







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	Chandpole Compound Wall		
2	Building Address	Chandpole Compound Wall Chandpole Gate Jaipur		
3	Year of Construction	1727		
4	Number of Floors	G+1		
5	Number of Basements	None		
6	Type of Building	Commercial		
7	Approximate Height	7m		
8	Approximate Area	Not Known		
9	Age of Building	286 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	Vertical Slab No.6 to Vertical Slab No. 7 Terrace of F/F (R/S Compound Wall)	Inclined	1	1.8	Slight	4, 4A	
2	Vertical Slab No.20 Terrace of F/F (R/S Compound Wall)	Inclined	0.5	1.6	Very Slight	5, 5A	
3	Vertical Slab No.21 Terrace of F/F (R/S Compound Wall)	Inclined	0.5	1.6	Very Slight	6, 6A	
4	Vertical Slab No.21 Terrace of F/F (R/S Compound Wall)	Inclined	1	1.6	Slight	7, 7A	
5	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Horizontal	0.6	2.5	Very Slight	8, 8A	
6	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	4	1.8	Slight	9, 9A	
7	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	4	1.4	Slight	10, 10A	
8	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	2	1.05	Slight	11, 11A	
9	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	2.5	2.4	Slight	12, 12A	
10	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	2.5	1.1	Slight	13, 13A	
11	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	1.5	2.45	Slight	14, 14A	
12	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	1.5	2.55	Slight	15, 15A	
13	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	2.5	1	Slight	16, 16A	
14	Stair Case FF To Terrace of F/F (R/S Compound Wall)	Inclined	1	2	Slight	17	
15	Gallery on F/F Terrace of G/F (R/S Compound Wall)	Inclined	6	20	Moderate	18, 18A	
16	Gallery on F/F Terrace of G/F (R/S Compound Wall)	Inclined	6	20	Moderate	19, 19A	
17	Terrace of G/F (R/S Compound Wall)	Horizontal	2.5	1.1	Slight	20, 20A	

	Summary of Defects Other Than Crack								
Defect ID	Location	Description	Photo No.						
18	Vertical Slab No.3 Terrace of F/F (R/S Compound Wall)	Plaster Crack	21						
19	Vertical Slab N0.8 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	22						
20	Vertical Slab No.9 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	23						
21	Vertical Slab No.9 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	24						
22	Vertical Slab No.9 Terrace of F/F (R/S Compound Wall)	Plaster Crack	25						
23	Vertical Slab 9&10 Terrace of F/F (R/S Compound Wall)	Dampness/Seepage	26						
24	Vertical Slab 9&10 Terrace of F/F (R/S Compound Wall)	Dampness/Seepage	27						
25	Top of Slab No.7 Terrace of F/F (R/S Compound Wall)	Dampness/Seepage	28						
26	Vertical Slab No.9 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	29						
27	Vertical Slab No.11 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	30						
28	Vertical Slab No.12 Terrace of F/F (R/S Compound Wall)	Plaster Crack	31						

29	Vertical Slab No. 13 Terrace of F/F (R/S Compound Wall)	Plaster Crack	32
30	Vertical Slab No. 14 Terrace of F/F (R/S Compound Wall)	Plaster Crack	33
31	Vertical Slab No. 14 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	34
32	Vertical Slab No.15 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	35
33	Vertical Slab No.17 Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	36
34	Vertical Slab No.20 Terrace of F/F (R/S Compound Wall)	Plaster Crack	37
35	Joint of Vertical Slab No.19&20 Terrace of F/F (R/S Compound Wall)	Plaster Crack	38
36	Center pillar on Terrace of F/F (R/S Compound Wall)	Plaster Crack	39
37	Center pillar on Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	40
38	Center pillar on Terrace of F/F (R/S Compound Wall)	Plaster Crack	41
39	Between Boundary Wall & Floor (Joint Opening) Terrace of F/F (R/S Compound Wall)	Damaged Portion	42
40	Between Boundary Wall & Floor (Joint Opening) Terrace of F/F (R/S Compound Wall)	Damaged Portion	43
41	Floor of Terrace of F/F (R/S Compound Wall)	Peeling of Plaster	44
42	Terrace of F/F (R/S Compound Wall)	Plaster Crack	45
43	Top of Slab No.6 Terrace of F/F (R/S Compound Wall)	Plaster Crack	46
44	Stair Case FF To Terrace (R/S Compound Wall)	Peeling of Plaster	47
45	Gallery on First Floor/Terrace of Ground Floor	Dampness/Seepage	48
46	Gallery on F/F Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	49
47	Gallery on F/F Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	50
48	Wall No.1& Floor Gallery on F/F (Joint Opening) Terrace of G/F (R/S Compound Wall)	Damaged Portion	51
49	Gallery on F/F Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	52
50	External F/F (Open Area Gallery Terrace of G/F (R/S Compound Wall)	Plaster Crack	53
51	External F/F (Open Area Gallery Terrace of G/F (R/S Compound Wall)	Plaster Crack	54
52	External F/F (Open Area Gallery Terrace of G/F (R/S Compound Wall)	Plaster Crack	55
53	External F/F (Open Area Gallery Terrace of G/F (R/S Compound Wall)	Plaster Crack	56
54	L/s Vertical Slab no. 2 Terrace of G/F (R/S Compound Wall)	Plaster Crack	57
55	L/s Vertical Slab no. 3 Terrace of G/F (R/S Compound Wall)	Plaster Crack	58
56	L/s Vertical Slab no. 4 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	59
57	Terrace of GF (R/S Compound Wall)	Peeling of Plaster	60
58	Terrace of GF (R/S Compound Wall)	Peeling of Plaster	61
59	R/s Vertical Slab No. 41 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	62
60	R/s Vertical Slab No. 40 Terrace of G/F (R/S Compound Wall)	Plaster Crack	63
61	R/s Vertical Slab No. 39 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	64
62	R/s Vertical Slab No. 38 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	65
63	Gate-2 Terrace of G/F (R/S Compound Wall)	Plaster Crack	66
64	Floor of Terrace of G/F (R/S Compound Wall)	Plaster Crack	67
65	Floor of Terrace of G/F (R/S Compound Wall)	Plaster Crack	68
66	Stair 1 GF To terrace of G/F (R/S Compound Wall)	Peeling of Plaster	69
67	Outer wall of Gate No. 1 R/S Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	70

68	Outer wall of Gate No. 1 R/S Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	71
69	Outer wall of Gate No1 R/S Upper Portion Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	72
70	Gate on Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	73
71	Gate on GF Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	74
72	Right Side of Gate Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	75
73	Right Side of Gate Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	76
74	Roof Gate on GF Terrace of G/F (R/S Compound Wall)	Dampness/Seepage	77
75	Gate Inside Portion (Joint Opening) Terrace of G/F (R/S Compound Wall)	Damaged Portion	78
76	Inside of Gate Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	79
77	Gate Front Side Upper Portion Terrace of G/F (R/S Compound Wall)	Plaster Crack	80
78	Outer side of slab no. 60 Terrace of G/F (R/S Compound Wall)	Peeling of Plaster	81

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









Photo 1 R/S Compound wall (towards CP to CC)



Photo 2 Terrace of G/F (R/S Compound Wall)





Photo 3 Back Side of Gate, Terrace of G/F (R/S Compound Wall)



Photo 4A Inclined Crack on Vertical Slab No.6 to Vertical Slab No. 7, Terrace of F/F (R/S Compound Wall),Approx. Width = 1mm, Length = 1.8m.Distance from Slab No. 7 = 0.11m, Height from Floor = 0.8m.



Photo 4 Inclined Crack on Vertical Slab No.6 to Vertical Slab No. 7, Terrace of F/F (R/S Compound Wall),Approx. Width = 1mm, Length = 1.8m.Distance from Slab No. 7 = 0.11m, Height from Floor = 0.8m.



Photo 5 Inclined Crack on Vertical Slab No.20, Terrace of F/F (R/S Compound Wall),Approx. Width = 0.5mm, Approx. Length = 1.6m.Distance from Slab No.19 = 0.5m, 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 Vertical Slab No.20, Terrace of F/F (R/S Compound Wall), Approx. Width = 0.5mm, Approx. Length = 1.6m. Distance from Slab No.19 = 0.5m, Height from Floor = 0m.



Photo 6A Inclined Crack on Vertical Slab No.21, Terrace of F/F (R/S Compound Wall), Approx. Width = 0.5mm, Approx. Length = 1.6m. Height from Floor = 0.8m.



Photo 7A





Photo 8

Horizontal Crack on Stair Case FF To Terrace, Terrace of F/F (R/S

Last Stair Step = 0m, Height from Floor = 0.27m.

Inclined Crack on Vertical Slab No.21, Terrace of F/F (R/S Compound Wall), Approx. Width = 1mm, Approx. Length = 1.6m. Distance from Slab Compound Wall), Approx. Width = 0.6mm, Length = 2.5m. Distance from No.20 = 0.12m, Height Floor = 0.55m.





Photo 6 Inclined Crack on Vertical Slab No.21, Terrace of F/F (R/S Compound Wall), Approx. Width = 0.5mm, Approx. Length = 1.6m. Height from Floor = 0.8m.



Inclined Crack on Vertical Slab No.21, Terrace of F/F (R/S Compound Wall),Approx. Width = 1mm,Length = 1.6m.Distance from Slab No.20 = 0.12m, Height from Floor = 0.55m.





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



Photo 8A Horizontal Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 0.6mm, Length = 2.5m. Distance from Last Stair Step = 0m, Height from Floor = 0.27m.



Photo 9A



Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 4mm, Length = 1.8m. Distance from Wall 4 of stair Case = 2.07m, Height from Floor = 0.42m.



Photo 10A Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 4mm, Length = 1.4m. Distance from Wall 4 of stair Case = 2.05m, Height from Floor = 0m.



Photo 10 Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 4mm, Length = 1.4m. Distance from Wall 4 of stair Case = 2.05m, Height from Floor = 0m.



Photo 11 Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 2mm, Length = 1.05m. Distance from Wall 3 of stair Case = 3.1m, Height from Floor = 1.13m.







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



Photo 11A Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Wall 3 of stair Case = 3.1m, Height from Floor = 1.13m.





Photo 12 Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 2mm, Length = 1.05m. Distance from Compound Wall), Approx. Width = 2.5mm, Length = 2.4m. Distance from Wall 3 of stair Case = 3.34m, Height from Floor = 0m.



Photo 12A Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 2.5mm, Length = 2.4m. Distance from Compound Wall), Approx. Width = 2.5mm, Length = 1.1m. Distance from Wall 3 of stair Case = 3.34m, Height from Floor = 0m.



Photo 13A

Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 2.5mm, Length = 1.1m. Distance from Wall 3 of stair Case = 3.22m, Height from Floor = 0m.



Photo 13 Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Wall 3 of stair Case = 3.22m, Height from Floor = 0m.



Photo 14 Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 1.5mm, Length = 2.45m. Distance from Wall 4 of stair Case = 2.85m, Height from Floor = 0.8m.





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



Photo 14A Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall),Approx. Width = 1.5mm, Length = 2.45m.Distance from Wall 4 of stair Case = 2.85m, Height from Floor = 0.8m.



Photo 15A

Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 1.5mm, Length = 2.55m.Distance from Wall 4 of stair Case = 4.1m, Height from Floor = 1.33m.



Photo 16A

Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall), Approx. Width = 2.5mm, Length = 1m.Distance from Wall 3 of Stair Case = 0m, Height from Floor = 1.7m.





Photo 15 Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall),Approx. Width = 1.5mm, Length = 2.55m.Distance from Wall 4 of stair Case = 4.1m, Height from Floor = 1.33m.



Photo 16

Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall),Approx. Width = 2.5mm, Length = 1m.Distance from Wall 3 of Stair Case = 0m, Height from Floor = 1.7m.



Photo 17 Inclined Crack on Stair Case FF To Terrace, Terrace of F/F (R/S Compound Wall),Approx. Width = 1mm, Approx. Length = 2m.





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



Photo 18 Inclined Crack on Gallery on F/F, Terrace of G/F (R/S Compound 3/Entry Gate = 1.8m, Height from Floor = 0.25m.



Photo 18A Inclined Crack on Gallery on F/F, Terrace of G/F (R/S Compound Wall), Approx. Width = 6mm, Approx. Length = 20m. Distance from Wall Wall), Approx. Width = 6mm, Approx. Length = 20m. Distance from Wall 3/Entry Gate = 1.8m, Height from Floor = 0.25m.



Photo 19

Inclined Crack on Gallery on F/F, Terrace of G/F (R/S Compound Wall), Approx. Width = 6mm, Length = 20m. Distance from Wall 3/Entry Gate = 1.8m, Height from Floor = 0.25m.



Photo 20 Horizontal Crack on , Terrace of G/F (R/S Compound Wall), Approx. Width = 2.5mm, Approx. Length = 1.1m.Distance from Wall 1 = 0.5m, Height from Floor = 0m.



Photo 19A Inclined Crack on Gallery on F/F, Terrace of G/F (R/S Compound Wall), Approx. Width = 6mm, Approx. Length = 20m. Distance from Wall 3/Entry Gate = 1.8m, Height from Floor = 0.25m.



Photo 20A Horizontal Crack on , Terrace of G/F (R/S Compound Wall), Approx. Width = 2.5mm, Approx. Length = 1.1m.Distance from Wall 1 = 0.5m, Height from Floor = 0m.







Photo 21 Plaster Crack on Vertical Slab No.3 of Terrace of F/F (R/S Compound Wall)



Photo 22 Peeling of Plaster on Vertical Slab N0.8 of Terrace of F/F (R/S Compound Wall)



Photo 23 Peeling of Plaster on Vertical Slab No.9 of Terrace of F/F (R/S Compound Wall)



Photo 25 Plaster Crack on Vertical Slab No.9 of Terrace of F/F (R/S Compound Wall)





Photo 24 Peeling of Plaster on Vertical Slab No.9 of Terrace of F/F (R/S Compound Wall)



Photo 26 Dampness/Seepage on Vertical Slab 9&10 of Terrace of F/F (R/S Compound Wall)







Photo 27 Dampness/Seepage on Vertical Slab 9&10 of Terrace of F/F (R/S Compound Wall)



Photo 28 Dampness/Seepage on Top of Slab No.7 of Terrace of F/F (R/S Compound Wall)



Photo 29 Peeling of Plaster on Vertical Slab No.9 of Terrace of F/F (R/S Compound Wall)



Photo 30 Peeling of Plaster on Vertical Slab No.11 of Terrace of F/F (R/S Compound Wall)





Photo 31 Plaster Crack on Vertical Slab No.12 of Terrace of F/F (R/S Compound Plaster Crack on Vertical Slab No. 13 of Terrace of F/F (R/S Compound Wall) Wall)











Photo 33 Plaster Crack on Vertical Slab No. 14 of Terrace of F/F (R/S Compound Wall)

Photo 34 Peeling of Plaster on Vertical Slab No. 14 of Terrace of F/F (R/S Compound Wall)





Photo 35 Peeling of Plaster on Vertical Slab No.15 of Terrace of F/F (R/S Compound Wall)

Photo 36 Peeling of Plaster on Vertical Slab No.17 of Terrace of F/F (R/S Compound Wall)





Photo 37 Plaster Crack on Vertical Slab No.20 of Terrace of F/F (R/S Compound Plaster Crack on Joint of Vertical Slab No.19&20 of Terrace of F/F (R/S Wall) Compound Wall)









Photo 39 Plaster Crack on Center pillar on Terrace of F/F (R/S Compound Wall)

Photo 40 Peeling of Plaster on Center pillar on Terrace of F/F (R/S Compound Wall)





Photo 41 Plaster Crack on Center pillar on Terrace of Terrace of F/F (R/S Compound Wall)

Photo 42 Damaged Portion on Between Boundary Wall & Floor (Joint Opening) of Terrace of F/F (R/S Compound Wall)



Photo 43 of Terrace of F/F (R/S Compound Wall)











Photo 45 Plaster Crack on Terrace of F/F (R/S Compound Wall)



Photo 46 Plaster Crack on Top of Slab No.6 of Terrace of F/F (R/S Compound Wall)





Photo 47 Peeling of Plaster on Stair Case FF To Terrace (R/S Compound Wall)





Photo 49 Dampness/Seepage on Gallery on F/F of Terrace of G/F (R/S Compound Wall)



Photo 50 Dampness/Seepage on Gallery on F/F of Terrace of G/F (R/S Compound Wall)











 Photo 51
 Photo 52

 Damaged Portion on Wall No.1& Floor of Gallery on F/F (Joint Opening) of Terrace of G/F (R/S Compound Wall)
 Peeling of Plaster on Gallery on F/F of Terrace of G/F (R/S Compound Wall)





Photo 53 Plaster Crack on External F/F (Open Area Gallery of Terrace of G/F (R/S Compound Wall)





Photo 55 Plaster Crack on External F/F (Open Area Gallery of Terrace of G/F (R/S Compound Wall)



Photo 56 Plaster Crack on External F/F (Open Area Gallery of Terrace of G/F (R/S Compound Wall)







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



Photo 57 Plaster Crack on L/s Vertical Slab no. 2 of Terrace of G/F (R/S Compound Wall)



Photo 58 Plaster Crack on L/s Vertical Slab no. 3 of Terrace of G/F (R/S Compound Wall)





Photo 59 Peeling of Plaster on L/s Vertical Slab no. 4 of Terrace of G/F (R/S Compound Wall)

Photo 61

Peeling of Plaster on Terrace of GF (R/S Compound Wall)



Photo 60

Peeling of Plaster on Terrace of GF (R/S Compound Wall)



Photo 62 Peeling of Plaster on R/s Vertical Slab No. 41 of Terrace of G/F (R/S Compound Wall)









Photo 63 Plaster Crack on R/s Vertical Slab No. 40 of Terrace of G/F (R/S Compound Wall)



Photo 64 Peeling of Plaster on R/s Vertical Slab No. 39 of Terrace of G/F (R/S Compound Wall)





Photo 65 Peeling of Plaster on R/s Vertical Slab No. 38 of Terrace of G/F (R/S Compound Wall)





Photo 67 Plaster Crack on Floor of Terrace of G/F (R/S Compound Wall)



Photo 68 Plaster Crack on Floor of Terrace of G/F (R/S Compound Wall)









Photo 69 Peeling of Plaster on Stair 1 GF To terrace of Terrace of G/F (R/S Compound Wall)



Photo 70 Dampness/Seepage on Outer wall of Gate No. 1 R/S of Terrace of G/F (R/S Compound Wall)





Photo 71 Dampness/Seepage on Outer wall of Gate No. 1 R/S of Terrace of G/F (R/S Compound Wall)

Photo 72 Peeling of Plaster on Outer wall of Gate No1 R/S Upper Portion of Terrace of G/F (R/S Compound Wall)



Photo 73 Dampness/Seepage on Gate on GF of Terrace (R/S Compound Wall)











Photo 75 Peeling of Plaster on Right Side of Gate of Terrace of G/F (R/S Compound Wall)



Photo 76 Dampness/Seepage on Right Side of Gate of Terrace of G/F (R/S Compound Wall)





Photo 77 Dampness/Seepage on Roof of Gate on GF of Terrace of G/F (R/S Compound Wall)







Photo 79 Peeling of Plaster on Inside of Gate of Terrace of G/F (R/S Compound Plaster Crack on Gate Front Side Upper Portion of Terrace of G/F (R/S Compound Wall) Wall)









Photo 81 Peeling of Plaster on outer side of slab no. 60 of Terrace of G/F (R/S Compound Wall)















R						
Vision De		-				
escription of Revision						
NP Drawn By						
Dr. PRC Approved B						
16.11.201: y Date		-				
DMRC/JMRC	CONSULTANT: OmikronKappa- Indus Consultants JV				Wall No. 4	
CONTRACT: Jaipur Metro Phase 1B	MAIN CONTRACTOR: CEC	First Floor Plan	Wall No. 1	Hall		Val No. 2
	SUB-CONTRACTOR: AIMIL LIMITED					
DRAWING TITLE: First Floor Plan of Shop No. 5 Sheesh Mehal Hotel, Chandpole Gate	PROJECT TITLE: Design and Construction of Tunn line by Shield TBM, Undergrounc by Cut & Cover methods on East					
DRAWING NO.: AIMIL/ESG/12315/ CP-0005 / 03 SCALE: Not to Scale	nel between Chandpole & Badi Chouper and d Metro Stations at Choti Choupar and Badi t West Corridor of Jaipur Metro Phase 1B				Nall No. 3	
SION: R0	∣ reversal ⊡Choupar					



_							
Revision	00						
Description of Revisic						Wall No. 1	
n Drawn By	N N						
Approved	Dr. PRO						
Date	16.11.201						
			Omikr				
		YIMRC	SULTAN OnKappa				
			r: a- Indus				
			Consulta				
			ants N				
		CONTE					
	Jaipur	RACT:	CEC			Ŧ	
	Metro Pl		R:	First Flo			
	nase 1B			or Plan	Wa		Wa⊫ — ►
			SUB-				20 4
			CONTR/				
			ACTOR:				
Cla	Neel		PR(Designed line by C				
upore Gan	Kamal Co		DJECT T gn and Col yy Shield T yt & Cover				
	mmunicati	ITLE:	TTLE: Instruction o BM, Unde methods o				
	<u>, , , , , , , , , , , , , , , , , , , </u>	ر ا	of Tunnel t rground Mi on East We				
NO	SCALE	JRAWIN	yetween Cł ∍tro Statior ∍st Corrido				
t to Scal		G NO.	nandpole { ns at Choti r of Jaipur				
e		5/ CP-00	≩ Badi Cho Choupar - Metro Pha			Vallaw.	
	REVISI	06 / 02	uper and r and Badi C ⊪se 1B			1	
	N.		eversal }houpar				

00 Revision							
Description of Revision			Ευπλ		Wall No. 1		
NP Drawn By							
Dr. PRC Approved B				_			
16.11.2013 y Date				_			
	CONSI Omikrc JV			_			
JMRC	ULTANT onKappa			_			
	- Indus (_			
	Consulta			_			
	nts M,						
CONTR							
Jaipur	CEC				Т		
Metro P	<u>R</u>	Second					
hase 1B		l Floor Pla	×a				≪a►
	AIM	. 5	- No. 3				20 4
	CONTR/						
	ACTOR: ED						
DRA Seco Neel Char	PR Desi line t	— Entry	-				
MVING T Mamal Co Mapole Gat	DJECT T gn and Co by Shield T ut & Cover						
'ITLE: 'lan of Shc mmunicati e	FITLE: nstruction ⁻ BM, Unde						
on, 6	of Tunnel I rground M on East W						
SCALE:	oetween Cl etro Station est Corrido						
G/1231: to Scal	handpole ans at Chot or of Jaipur						
5/ CP-0(& Badi Cho I Choupar Metro Pha					2 .oV llsW	
706 / 03 REVIS	ouper and and Badi (and Badi (3se 1B		L			1	
	reversal Choupar						





00 Revisior				 			
Description of Revision					Wall No. 3		
NP Dr. PRC rawn By Approved By		-					
6.11.2013 Date							
CLIENT: DMRC/JMRC	CONSULTANT: OmikronKappa- Indus Consultants JV						
CONTRACT: Jaipur Metro Phase 1B	MAIN CONTRACTOR: CEC	<u>First Floor Plar</u>	5		Hall		We
	SUB-CONTRACTOR: AIMIL LIMITED		'all No. 2				
DRAWING TITLE: First Floor Plan of Shop No. 7/1 Saurabh Mobile & Repairing Center, Chandpole Gate	PROJECT TITLE: Design and Construction of Turn line by Shield TBM, Undergroun by Cut & Cover methods on Eas						
DRAWING NO.: AIMIL/ESG/12315/ CP-00 SCALE: Not to Scale	nel between Chandpole & Badi Cho d Metro Stations at Choti Choupar t West Corridor of Jaipur Metro Pha					4 .on IIsW	
007 / 02 REVISION: R0	ouper and reversal and Badi Choupar ase 1B		L				




00 Revision								
Description of Revision						Wall No. 3		
NP Drawn By								
Dr. PRC 16 Approved By								
5.11.2013 Date	20		-					
MRCJJMRC	LIENT:	:ONSULTANT: 0mikronKappa- Indus Consultants V						
Jaipur Metro Phase 1B	CONTRACT:	MAIN CONTRACTOR: CEC	First Floor Plan	Wall		Hall		Wall
		SUB-CONTRACTOR: AIMIL LIMITED		▼ 0. 20				6. -1
First Hoor Plan of Shop No. 7/2 Saurabh Mobile & Repairing Center, Chandpole Gate	DRAWING TITLE:	PROJECT TITLE: Design and Construction of Tunn line by Shield TBM, Underground by Cut & Cover methods on East						
SCALE: Not to Scale	DRAWING NO .:	el between Chandpole & Badi Chc I Metro Stations at Choti Choupar West Corridor of Jaipur Metro Pha					↓ .oN IIbW	
REVISION:	CU / 8U	ouper and reversal and Badi Choupar se 1B					T	





2				
evision		-		
Description of Revision			Wall No. 3	
NP Drawn By				
Dr. PRC Approved By		-		
16.11.2013		-		
CLIENT: DMRC/JMRC	CONSULTANT: OmikronKappa- Indus Consultants JV			
CONTRACT: Jaipur Metro Phase 1B	MAIN CONTRACTOR: CEC	Typical Drawing of F	Mali	Val -
	SUB-CONTRACTOR: AIMIL LIMITED	irst & Second Floor Plan	4 −− <u>−</u> <u>γ</u> ≥	5
DRAWING TITLE: Typical Drawing of First & Second Floor Plan of Shop No. 8 Jal Jagdamba Rajput Hotel, Chandpole Gate	PROJECT TITLE: Design and Construction of Tuni line by Shield TBM, Underground by Cut & Cover methods on East			
AIMIL/ESG/12315/ CP-0 SCALE: Not to Scale	nel between Chandpole & Badi Che d Metro Stations at Choti Choupar t West Corridor of Jalpur Metro Ph			≁.oN ll¤W
009 / 02 REVISION: R0	ouper and reversal and Badi Choupar ase 1B			<u>,</u>











Revision	:						
Description of R							
Revision Dra			-				
Wn By Appi	;		-				
roved By			-				
1.2013 Date	<u> </u>		-				
	LIENT: MRC/JMRC	ONSULTANT: MIKRON KAPPA-INDUS ONSUTRANS JV			Wall No. 1		
Jaipur Metro P	CONTRACT:	MAIN CONTRACTOR: CEC	Entry <u>Grou</u>		Temple	Wall No. 4	
hase 1B		A SU	nd Floor Plan	Wall No. 3			
		B-CONTRACTOR: MIL LIMITED			Wall No. 2		
In Front of Chandpole Gate Chandpole Bazar	DRAWING TITLE: Ground Floor Plan of Temple	PROJECT TITLE: Design and Construction of Tunr line by Shield TBM, Underground by Cut & Cover methods on East					
SCALE: Not to Scale	DRAWING NO.: AIMIL/ESG/12315/ CP-00'	nel between Chandpole & Badi Ch 1 Metro Stations at Choti Choupar t West Corridor of Jaipur Metro Ph					
REVISION: R0	13/ 01	ouper and reversal · and Badi Choupar rase 1B					









Revision	8				
Description of Revision					
Drawn By					
Approved By					
Date	C 10 0 10				
	CLIENT: DMRC/JMRC	CONSULTRANS JV	OMIKRON KAPPA - INDUS	CONSULTANT:	
Jaipur Metro phase 1B	CONTRACT:		CEC	MAIN CONTRACTOR:	Upper Ground Floor Pl
				SUB-CONTRACTOR:	an
DRAWING TITLE: DRAWING NO.: Upper Ground Floor Plan of House No. D-5 Nai Awaz Mandi, Chandpole Not to Scale		by Cut & Cover methods on Eas	Design and Construction of Tunr	PROJECT TITLE:	
		t West Corridor of Jaipur Metro Pha	nel between Chandpole & Badi Cho 1 Metro Stations at Choti Chounar		
묘	i G-T	3se 1B	ouper a		







Revision	00					
Description of Revision						
Drawn By	NP					
Approved By	Dr. PRC					
Date	16.11.2013					
		CLIENT:	CUNSULI RANS JV	OMIKRON KAPPA - INDUS	CONSULTANT:	
Jaipur Metro phase 1B		CONTRACT:		CEC	MAIN CONTRACTOR:	Second Floor Plan
				SUB-CONTRACTOR:		
Mandi, Chandpole	DRAWING TITLE: Second Floor Plan of House No. D-5 Nai Awaz Mandi. Chandbole		by Cut & Cover methods on East	Design and Construction of Tunn line by Shield TBM. Underground	PROJECT TITLE:	
DRAWING NO.: AIMIL/ESG/12315/ CP-0015/G-TF /06 SCALE: Not to Scale REVISION:		West Corridor of Jaipur Metro Phase 1B	el between Chandpole & Badi Chouper a Metro Stations at Choti Choupar and Ba			
		uper and reversal and Badi Choupar ise 1B				











00 Revision				
Description of Rev				
rision UP				
By Approved				
C 16.11.201 By Date				
	CONSULTANT: OMIKRON KAPPA - INDUS CONSULTRANS JV		Wall No. 2 Dilet 2 Wall No. 2 Dilet 2 Wall No. 2 Dilet 2 Entry	
CONTRACT: Jaipur Metro Phase 1B	MAIN CONTRACTOR: CEC	Typical Drawing of Second	Wall No. 2 Wall No. 2 Wall No. 2 Wall No. 2 Wall No. 2 Hall Under Cons	
	SUB-CONTRACTOR: AIMIL LIMITED	l & Third Floor Plan	struction	
DRAWING TITLE: Typical Drawing of Second & Third Floor Plan of House No. D-4 Nai Awaz Mandi, Chandpol	PROJECT TITLE: Design and Construction of Tunn line by Shield TBM, Underground by Cut & Cover methods on East	-		
AMIL/ESG/12315/ CP-0016/GF-TF /04 SCALE: Not to Scale	rel between Chandpole & Badi Chouper and rev 3 Metro Stations at Choti Choupar and Badi Ch 1 West Corridor of Jaipur Metro Phase 1B			




























00 Revision		
Description of Revision		
NP Drawn By		
Dr. PRC Approved By		
16.11.2013 Date		
DMRC/JMRC	CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	
CONTRACT: Jaipur Metro Phase 1B	MAIN CONTRACTOR: CEC	Ground Floo
	SUB-CONTRACTOR: AIMIL LIMITED	14 15 16 17 18 3 14 15 16 17 18 16 17 18
DRAWING TITLE: Ground Floor Plan of Chand Pole Gate CP to CC Lift Side View Compound Wall	PROJECT TITLE: Design and Construction of Tur line by Shield TBM, Undergrou by Cut & Cover methods on Ea	Part 1 Part 1 Part 1
AIMIL/ESG/12315/ CP-002 SCALE: Not to Scale	nnel between Chandpole & Badi Ch nd Metro Stations at Choti Choupar st West Corridor of Jaipur Metro Ph	8.00 27 28
0/Compound Wall / 05 REVISION: R0	rouper and reversal • and Badi Choupar nase 1B	

RO	Not to Scale	View Compound Wall				od By Date	By Approve	ion Drawn	Description of Revi	Revision
REVISION	SCAI F	Pole Gate CP to CC Lift Side		Jaipur Metro Phase 1B		RC 16.11.2013	Dr. P	z		00
?P-0020/Compound Wall / 07	DRAWING NO : AIMIL/ESG/12315/ C	DRAWING TITLE:		CONTRACT:	CLIENT:					
vletro Phase 1B	st West Corridor of Jaipur N	by Cut & Cover methods on East			CONSULI RANS JV					
Badi Chouper and reversal Choupar and Badi Choupar	nel between Chandpole & nd Metro Stations at Choti (Design and Construction of Tun line by Shield TBM. Undergrour		CEC	OMIKRON KAPPA-INDUS					
		PROJECT TITLE:	SUB-CONTRACTOR:	MAIN CONTRACTOR:	CONSULTANT:					
		<u>art 1</u>	³ to CC Lift Side View Pa	First Floor CF						



Revision	3		
Description c			
f Revision			
Drawn By	;		
Approved B			
y 16.11.20			
013		C O M	co
	ENT: RC/JMI	IIKRON NSULT	NSULT
	RC	I KAPP RANS	ANT
		S	
			_
	CO		MAIN C
Jai	VTRAC	0	ONTR,
pur Me		Č	ACTOF
tro Pha			~
ase 1B			
			SUE
			3-CON
		AITED	TRACT
s v	<u>o</u> n	0 = r	OR F
ole Gate ide View)RAWII round Flo	Design ai ine by Sh yy Cut & i	PROJE
CP to C	NG TIT	nd Consi hield TBM Cover m	
und Wall	LE: of Char	truction o M, Under nethods o	TLE:
	ы 14	of Tunne ground I on East V	
SCALE	DRAW	I betwee Metro Sta Nest Cor	
Vot to S	ING NO	n Chand ations at ridor of J	
òcale	О 315/ СР	pole & B Choti Ch laipur Me	
	³ -0020/	hadi Chou houpar a stro Phas	
REVIS	Compo	uper and and Badi se 1B	
ON RO	und Wa	reversal Choupar	
	all / (

00 Vevision				
Description of Revision				
NP Drawn By				
Dr. PRC Approved By				
16.11.2013 Date				
	CLIENT:	CONSULTRANS JV	CONSULTANT:	
Jaipur Metro Phase 1B	CONTRACT:	CEC	MAIN CONTRACTOR:	
	1	AIMIL LIMITED	SUB-CONTRACTOR:	
First Floor Plan or Chand Pole Gate CP to CC Lift Side View Compound Wall	DRAWING TITLE	line by Shield TBM, Undergroun by Cut & Cover methods on Eas	PROJECT TITLE:	
SCALE: RE	DRAWING NO.:	nd Metro Stations at Choti Choupar and st West Corridor of Jaipur Metro Phase 1	not between Obendoolo & Dod: Obenno	
EVISION: R0		d Badi Choupar 1B		

Revision	3				
Description of Revision					
Drawn By	D				
Approved By	ה פפר				
Date	10 11 0010				
	DMRC/JMRC	CLIENT:	CONSULTRANS JV	CONSULTANT:	
Jaipur Metro Phase 1B		CONTRACT:	CEC	MAIN CONTRACTOR:	Val 7.03 Val 6 6 6 6 6 6 6 6 6 6 6 6 6
			AIMIL LIMITED	SUB-CONTRACTOR:	- CP to CC Lift Side View
Pole Gate CP to CC Litt Side View Compound Wall	Ground Floor Plan of Chand	DRAWING TITLE:	line by Shield TBM, Underground by Cut & Cover methods on East	PROJECT TITLE	/ Part 3
SCALE: REVISION: R0	AIMIL/ESG/12315/ CP-0020/Compound Wall / 08	DRAWING NO.	d Metro Stations at Choti Choupar and Badi Choupar t West Corridor of Jaipur Metro Phase 1B		

Revision	00					
Description of Revision						
Drawn By	NP					
Approved By	Dr. PRC					
Date	16.11.2013					
		DMRC/JMRC	CONSULI RANS JV	OMIKRON KAPPA-INDUS	CONSULTANT:	
	Jaipur Metro Phase 1B	CONTRACT:		CEC	MAIN CONTRACTOR:	First Floor CF
					SUB-CONTRACTOR:	⁹ to CC Lift Side View Pa
View Compound Wall	Pole Gate CP to CC Lift Side	DRAWING TITLE: First Floor Plan of Chand	by Cut & Cover methods on Eas	Design and Construction of Tuni line by Shield TBM. Underground	PROJECT TITLE:	art 3
Not to Scale	SCALE:	DRAWING NO.: AIMIL/ESG/12315/ CP-002	st West Corridor of Jaipur Metro Pi	nel between Chandpole & Badi Ci d Metro Stations at Choti Choupa		
Ro	REVISION:	20/Compound Wall / 10	hase 1B	houper and reversal		

Revision	00						₹
Description of Revision							Shop 2 3
Drawn By	ZP						
Approved By	Dr. PRC						6
Date	16 11 2013						
	DMRC/JMRC	CLIENT:	CONSULTRANS JV	CONSULTANT:			3 9 10 11 12 13 14 1
Jaipur Metro Phase 1B		CONTRACT:	CEC	MAIN CONTRACTOR:	Ground Floor	52.20	5 16 17 18 19 20 21 Wall
			AIMIL LIMITED	SUB-CONTRACTOR:	CP to CC Right Side Vi		22 23 24 25 2
View Compound Wall	Ground Floor Plan of Chand	DRAWING TITLE:	line by Shield TBM, Underground by Cut & Cover methods on East	PROJECT TITLE:	ew Part 4		6 27 28 29 30 3
SCALE: Not to Scale	AIMIL/ESG/12315/ CP-002	DRAWING NO .:	1 Metro Stations at Choti Choupar West Corridor of Jaipur Metro Ph	o hotwoon Ohondrolo & Dodi Oh			
REVISION: R0	0/Compound Wall / 01		and Badi Choupar ase 1B			3.00	Gate 9.00

00 Revision		
Description of F		
Revision		Chandpole Gate Kotwali
NP [
Dr. PRC 16 proved By		
5.11.2013 Date		
DMRC/	CONSL CONSL	
JMRC	JLTANT ON KAF JLTRAN	
	IS JV	
	SUC	
	CON	
Jaip	ONTRA CE	
ur Metro	CTOR:	
) Phase		
1B		
	SUB-CC	
	O CTOR:	
irst Floor Bate CP t	PROJE Design au line by St by Cut & DRAWII	27 28 14 13
Plan of C o CC Rigi d Wall	CT TITI nd Constr nield TBM Cover me	
thand Pol	_E. , Undergr thods on	
[₩] AIM	unnel bet ound Metr Ξast Wes	
ALE: Not t	tween Charon Stationart t Corridor	
o Scale	andpole 8 s at Choti of Jaipur	
CP-0020	3 Badi Ch Choupar Metro Ph	
0/Comp REVIS	ouper and and Bad ase 1B	
ION: R0	i Choupar	
/all / 03		

Revision	8												
Description of Revision													
Drawn By	ЧP												
Approved By	Dr. PRC												
Date	16.11.2013												
	DMRC/JMRC	CLIENT:	CONSULTRANS JV	CONSULTANT:			Temple Shri Bhu Maharaj	39 40 41 42 43 44					
		CONTRACT:	CEC	MAIN CONTRACTOR:	Ground Floor	32.08	ımiya Ji	48 49 50 51					
			AIMIL LIMITED	SUB-CONTRACTOR	CP to CC Right Side V		≪all	52 53 54 55					
View Compound Wall	Ground Floor Plan of Chand	DRAWING TITLE:	Design and Construction of Tunn line by Shield TBM, Underground by Cut & Cover methods on Eas	PROJECT TITLE:	lew of Part 5			56 57		58 69 60 6			
Not to Scale	AIMIL/ESG/12315/ CP-00.	DRAWING NO .:	nel between Chandpole & Badi C d Metro Stations at Choti Choupa t West Corridor of Jaipur Metro P			<u>+</u>	 		15.70				
REVISION: R0	20/Compound Wall / 0		Thouper and reversal ar and Badi Choupar hase 1B										

				1	
Revision	00				Chandpole Gate Kotwali
Description of Revision					
Drawn By	NP				
Approved By	Dr. PRC				
Date	16.11.2013				
		CLIENT:	CONSULTRANS JV	CONSULTANT:	
	Jaiour Metro Phase 1B	CONTRACT:	CEC	MAIN CONTRACTOR:	First Floor C
			AIMIL LIMITED	SUB-CONTRACTOR:	- to CC Right Side View
Compound Wall	Gate CP to CC Right Side View	DRAWING TITLE:	line by Shield TBM, Underground by Cut & Cover methods on East	PROJECT TITLE:	Part 5
Not to Scale	CONTE-	DRAWING NO.	Metro Stations at Choti Choupar West Corridor of Jaipur Metro Ph	ol hotsoop Chandrole & Bodi Ch	
REVISION: R0			r and Badi Choupar lase 1B		