



JAIPUR METRO Jaipur Metro Rail Corporation

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

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



Shop No.52
Triplia Bazaar
Jaipur
Unique ID:CC-BC/UP/0001

Report Number: AIMIL/ESG/JMCEC/CC-BC/UP/0001-52/01, Rev. 00, Dated: July 2014

Building Owner
Contractor

Mr. Shankar
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited





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

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11	Schematic Diagram of Building	

Introduction

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

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

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

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/6/2014	
2	AIMIL Representative	MOHD. SHAMRAN	
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 1 floors. The structure was constructed in year 1914 & 100 Years Old.

There are 3 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 1 (Very Slight)

Category	Number of Cracks	% of Total Cracks	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	1	100%	Required
Slight (1 to 5mm)	0	0%	Not Required
Moderate (5 to 15mm)	0	0%	Not Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
CC-BC/UP/0001-52	Shop No. 52	Mr. Shankar	

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

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

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 52
2	Building Address	Tripolia Bazaar, Jaipur
3	Year of Construction	1914
4	Number of Floors	G
5	Number of Basements	Not Known
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	100Years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	Not Known
13	Depth and Diameter of Bore	N.A
14	Roadways	One Sides
15	Presence of Equipment/Machines	None



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

Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Vrandah Roof of Shop No. 773-3, Ground Floor	Horizontal	1	2.5	Very Slight	1

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof of Shop No. 52, Ground Floor	Plaster Removal	2
2	Roof of Shop No. 52, Ground Floor	Dampness/ Seepage	3

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Wall No. 2 & 4 of Shop No. 52, Ground Floor	Covered with Material	4

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

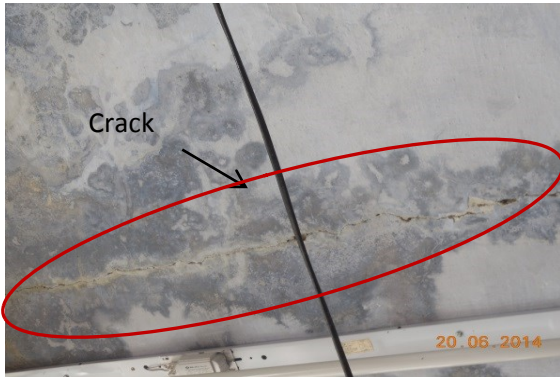


Photo 1

Horizontal Crack on Vrandah Roof of Shop No. 52, Ground Floor, Approx. Width = 1mm, Approx. Length = 2.5m. Distance from Left Hand Column = 0m, Height from Floor = 3.00m.



Photo 2

Plaster Removal on Roof of Shop No. 52, Ground Floor

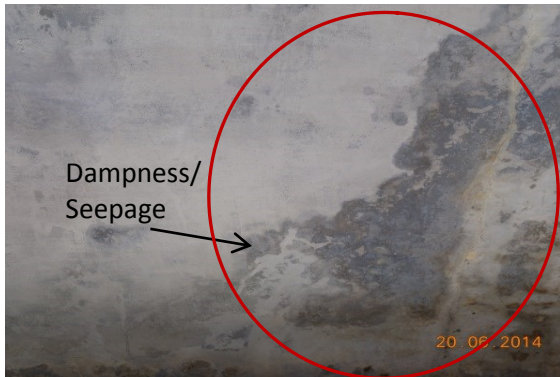


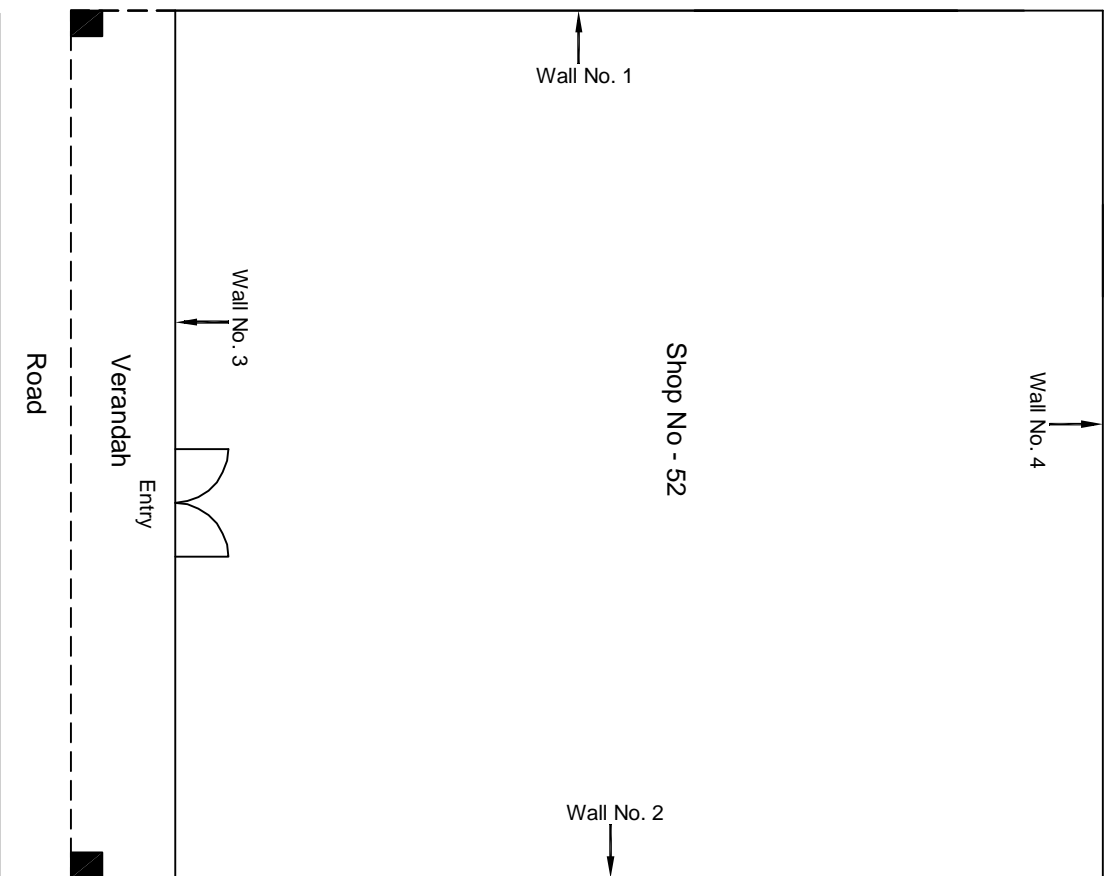
Photo 3

Dampness/ Seepage on Roof of Shop No. 52, Ground Floor



Photo 4

Covered with Materials, Wall No. 2 & 4 of Shop No. 52, Ground Floor



Ground Floor Plan

Revision									
00		NP	Dr. PRC	16.11.2013					
	Description of Revision	Drawn By	Approved By	Date					
CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV					MAIN CONTRACTOR: CEC				
CLIENT: DMRC/JMRC					CONTRACT: Jaipur Metro Phase 1B				
SUB-CONTRACTOR: AIMIL LIMITED					PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B				
DRAWING TITLE: Ground Floor Plan of Shop No 52 Ttipolia Bazar					DRAWING NO.: AIMIL/ESG/12315/		CC-BC-UP-0001/52/ 01		REVISION: R0
SCALE: Not to Scale									



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



Shop No.92A
Triplia Bazaar
Jaipur
Unique ID:CC-BC/UP/0001

Report Number: AIMIL/ESG/JMCEC/CC-BC/UP/0001-92-A/01, Rev. 00, Dated: July 2014

Building Owner
Contractor

Mr. Omkaleshwar Agrawal
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

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

Introduction

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

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

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

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/6/2014	
2	AIMIL Representative	MOHD. SHAMRAN	
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 1 floors. The structure was constructed in year 1914 & 100 Years Old.

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

Category	Number of Cracks	% of Total Cracks	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	1	100%	Required
Slight (1 to 5mm)	0	0%	Not Required
Moderate (5 to 15mm)	0	0%	Not Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
CC-BC/UP/0001-92-A	Shop No. 92A	Mr. Omkaleshwar Agrawal	

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

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

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. 92A, Surajmal & Sons
2	Building Address	Tripolia Bazaar, Jaipur
3	Year of Construction	1914
4	Number of Floors	G
5	Number of Basements	Not Known
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	100Years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	Not Known
13	Depth and Diameter of Bore	N.A
14	Roadways	One Sides
15	Presence of Equipment/Machines	None



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

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

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof of Vrandah of Shop No.92A, Ground Floor	Plaster Removal	1
2	Roof of Vrandah of Shop No.92A, Ground Floor	Dampness/ Seepage	2

Summary of Areas that Could not be Surveyed			
Serial No.	Location	Description	Photo No.
1	Roof of Shop No. 92A, Ground Floor	Covered with Wooden Ceiling	3
2	Wall No. 2 & 4 of Shop No. 92A, Ground Floor	Covered with Material	4
3	Wall No. 1 of Shop No. 92A, Ground Floor	Covered with Material	5



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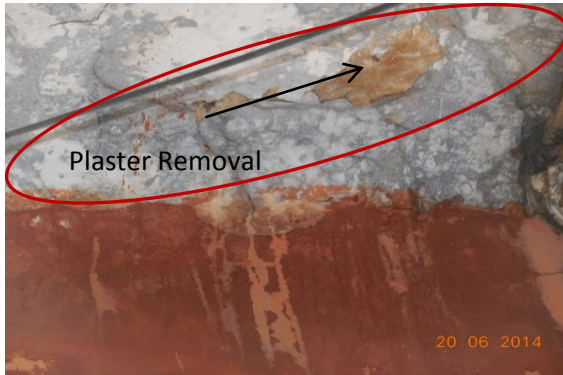


Photo 1
Plaster Removal on Roof of Varandah of Shop No. 92A, Ground Floor

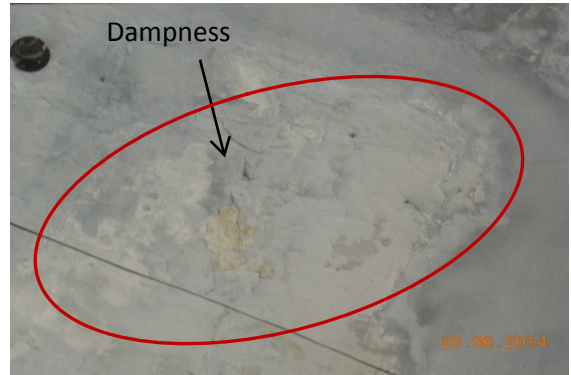


Photo 2
Dampness/ Seepage on Roof of Varandah of Shop No. 92A, Ground Floor



Photo 3
Covered with Wooden Ceiling, Roof of Shop No. 92A, Ground Floor



Photo 4
Covered with Materials, Wall No. 2 & 4 of Shop No. 92A, Ground Floor



Photo 5
Covered with Materials, Wall No. 1 of Shop No. 92A, Ground Floor



JAIPUR METRO Jaipur Metro Rail Corporation

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

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



Shop No. E62
Tripolia Bazaar
Jaipur
Unique ID:CC-BC/UP/0002

Report Number: AIMIL/ESG/JMCEC/CC-BC/UP/0002-E-62/01, Rev. 00, Dated: July 2014

Building Owner
Contractor

Mr. Ratanlal Panchari
CEC

Client
Sub-Contractor

JMRC Limited
AIMIL Limited





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

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11	Schematic Diagram of Building	

Introduction

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

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Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/6/2014	
2	AIMIL Representative	M.D.H.D. SHARMA	
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		



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

About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having Ground floors. The structure was constructed in year 1913 & 100 Years Old.

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

Category	Number of Cracks	% of Total Cracks	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	0	0%	Not Required
Slight (1 to 5mm)	0	0%	Not Required
Moderate (5 to 15mm)	0	0%	Not Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

Building Ownership Details			
Unique ID/Sub ID	Premises Name	Owner	Signatures
CC-BC/UP/0002-E-62	Shop No. E62	Mr. Ratanlal Panchari	

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

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

General Building Details (As informed verbally by Building Owner)		
S. No.	Head	Particulars
1	Building Name	Shop No. E62
2	Building Address	Tripolia Bazaar, Jaipur
3	Year of Construction	1913
4	Number of Floors	G
5	Number of Basements	Not Known
6	Type of Building	Commercial
7	Approximate Height	3m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	Not Known
13	Depth and Diameter of Bore	N.A
14	Roadways	One Sides
15	Presence of Equipment/Machines	None



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

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

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Outer Wall of Shop No. E62, Ground Floor	Plaster Removal	1
2	Wall No. 4 of Shop No. E62, Ground Floor	Damage	2
3	All Walls of Shop No. E62, Ground Floor	Repairing Work	3
4	Beam of Shop No. E62, Ground Floor	Peeling of Plaster	4

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 Badi Chouper and reversal line



Photo 1
Plaster Removal of Outer Wall of Shop No. E62, Ground Floor



Photo 2
Damage of Wall No. 4 of Shop No. E62, Ground Floor



Photo 3
Repairing Work on All Walls of Shop No. E62, Ground Floor

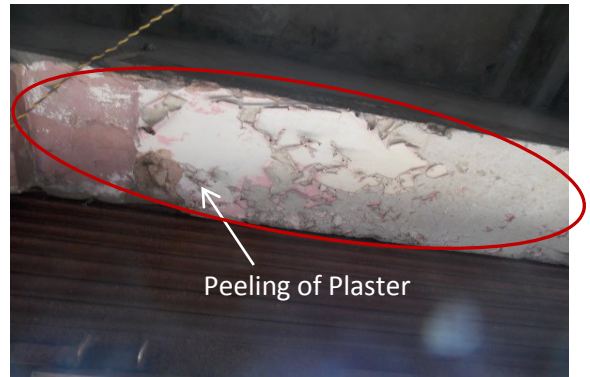
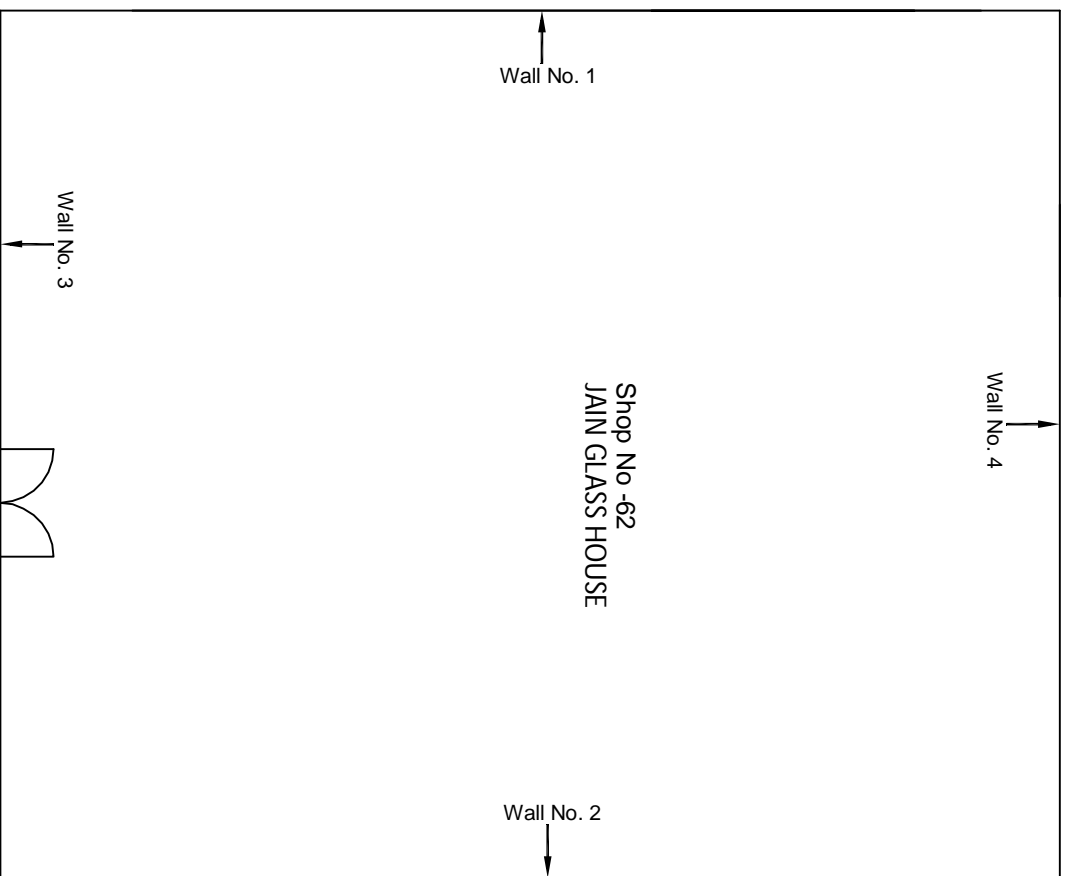


Photo 4
Peeling of Plaster on Beam of Shop No. E62, Ground Floor



Ground Floor Plan

Revision								
00		NP	Dr. PRC	16.11.2013				
	Description of Revision	Drawn By	Approved By	Date				
CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV					MAIN CONTRACTOR: CEC			
CLIENT: DMRC/JMRC					CONTRACT: Jaipur Metro Phase 1B			
SUB-CONTRACTOR: AIMIL LIMITED					PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Choupar and reversal line by Shield TBM, Underground Metro Stations at Choti Choupar and Badi Choupar by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B			
DRAWING TITLE: Ground Floor Plan of Shop No 62 Atish Market, Tripolia Bazar					DRAWING NO.: AIML/ESG/12315/ CP-BC-UP-0002-62/ 01		REVISION: R0	
SCALE: Not to Scale								