

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

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



Shop No 5RS Ramganj Bazaar Jaipur Unique ID:BC-RA/UP/0006

Report Number: AIMIL/ESG/JMCEC/BC-RA/UP/0006-5RS /01, Rev. 00, Dated: June 2014

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







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Table of Contents S.No. **Particulars** Page No. 1 Introduction 2 Survey Details 2 2 3 About the Structure 3 **Building Ownership Details** 4 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 **Defect Photographs** 10 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	26/06/2014	A CANO CAMPAN			
2	AIMIL Representative	MOND. QUANKAN	*NEW DELTE			
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

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 and is 100 years old.

There are 1 defects in the structure out of which 0 are cracks. Category wise distribution of cracks is given in the table below. Overall the Building can be categorised in Category 0 (Negligible)

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

Building Ownership Details					
Unique ID/Sub ID	Premises Name	Owner	Signatures		
BC-RA/UP/0006-5RS	Neelam Readymade, Shop No. 5RS	Mr. Manoharlal			







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Project Deta	roject 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				

S. No.	Head	Particulars	
1	Building Name	Neelam Readymade, Shop No. 5RS	
2	Building Address	Ram Ganj Market, 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	100 years	
10	Type of Structure	Load Bearing Structure	
11	Type of Foundation	Not Known	
12	Number of Bore Wells	None	
13	Depth and Diameter of Bore	N.A	
14	Roadways	One Sides	
15	Presence of Equipment/Machines	None	







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	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. 5RS, Ground floor	Stone Damage			1		
	Summary of Areas that Could not be Surveyed						
Serial No.	Location	Location Description I		Photo No.			
1	All Walls of Shop No. 5RS, Ground floor	Covered with Materials			2		
2	Roof of Shop No. 5RS, Ground floor	Covered with Wooden Ceiling			3		







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Photo 1
Stone Damage on Outer Wall of Shop No. 5RS, Ground floor



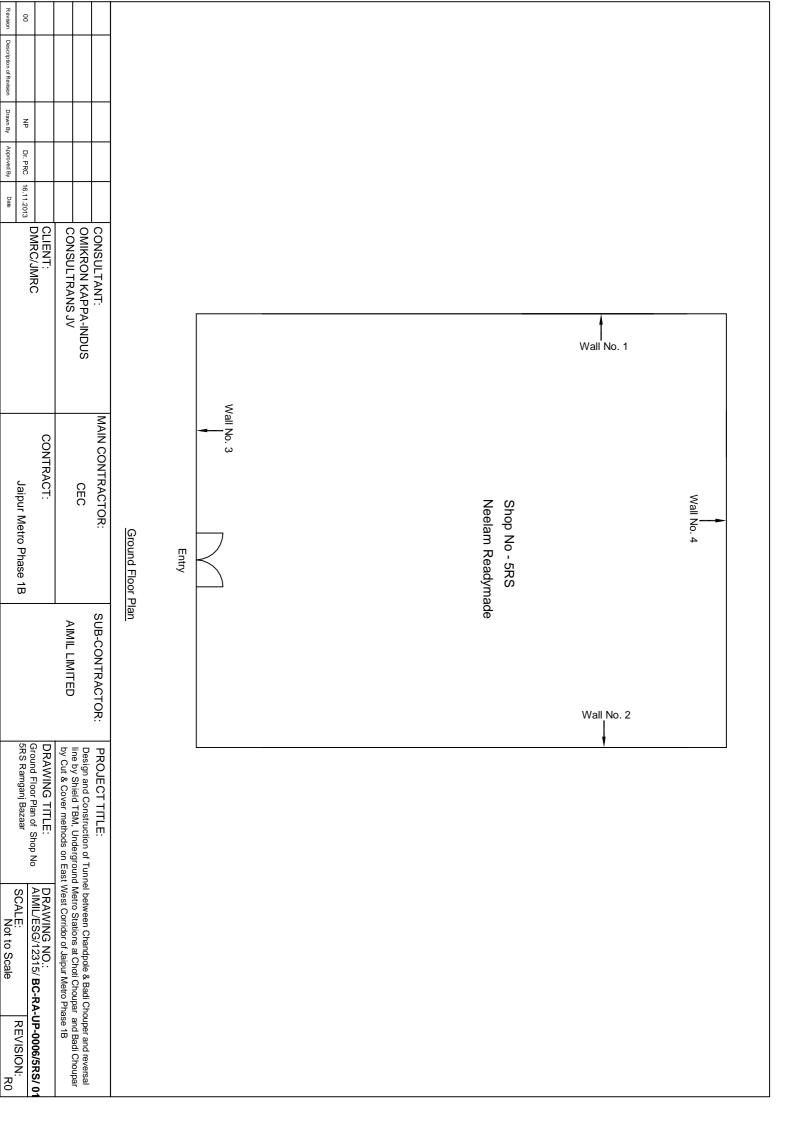
Photo 2
Covered with Materials, All Walls of Shop No. 5RS, Ground floor



 $\frac{\text{Photo 3}}{\text{Covered with wooden Ceiling, Roof of Shop No. 5RS, Ground floor}}$









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Shop No 23,24,25 & 26 335-338,Ramganj Bazaar Jaipur Unique ID:BC-RA/UP/0008

Report Number: AIMIL/ESG/JMCEC/BC-RA/UP/0008-336/B23-24 & B-25 & B-26/01, Rev. 00, Dated: June 2014

Building Owner Contractor Various Owners CEC Client Sub-Contractor JMRC Limited AIMIL Limited





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Introduction

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

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

The alignment of structure is passing through densely 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	26/06/2014	LIMI Quenus			
2	AIMIL Representative	MOND. BURNEAU	* NEW DELTE			
3	CEC Representative					
4	Structural Designer of CEC					
5	JMRC/DMRC Representative					





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About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1914 and is 100 years old.

There are 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	Crack Meter
Negligible (< 0.1mm)	0	0%	Not Required
Very Slight (0.1 to 1mm)	0	0%	Not Required
Slight (1 to 5mm)	0	0%	Not Required
Moderate (5 to 15mm)	0	0%	Not Required
Severe (15 to 25mm)	0	0%	Not Required
Very Severe (>25mm)	0	0%	Not Required

	Building Ownership Details				
Unique ID/Sub ID	Premises Name	Owner	Signatures		
BC-RA /UP/0008-336/B23-24	Viral Synthetic, Shop No. 23-24	Mr. Ramesh Kumar			
BC-RA /UP/0008-336/B25	Viral Synthetic, Shop No. 25	Mr. Ramesh Kumar			
BC-RA /UP/0008-336/B26	Radhswami Agencies, Shop No. 26	Mr. Sanny			







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Project Deta	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				

S. No.	Head	Particulars	
1	Building Name	335-338, Ramganj Bazaar	
2	Building Address	Ram Ganj Market, Jaipur	
3	Year of Construction	1914	
4	Number of Floors	G+2	
5	Number of Basements	Not known	
6	Type of Building	Commercial	
7	Approximate Height	9m	
8	Approximate Area	Not Known	
9	Age of Building	100 years	
10	Type of Structure	Load Bearing Structure	
11	Type of Foundation	Not Known	
12	Number of Bore Wells	None	
13	Depth and Diameter of Bore	N.A	
14	Roadways	One Sides	
15	Presence of Equipment/Machines	None	







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	Summary of Cracks						
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.	
	Summary of Defects	Other Than C	rack				
Defect ID	Defect ID Location Description			Photo No.			
1	Wall No.1 of Shop No. 25, Viral Synthetic, Basement	Dampness/Seepage			3		
	Summary of Areas that	Could not be S	urveyed				
Serial No. Location Description					Photo No.		
1	Wall No. 4 of Shop No. 25, Viral Synthetic, Basement	Covered with Materials			4		
2	All Walls of Shop No. 23 & 24,Basement	Covered with Materials			5		
3	All Walls of Shop No.26,Basement		Covered with Materials			6	







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



Photo 1 Main View of Shop No. 25, Viral Synthetic, Basement



Photo 2
Main View of Shop No. 26, Radhalaxmi Enterprises, Basement

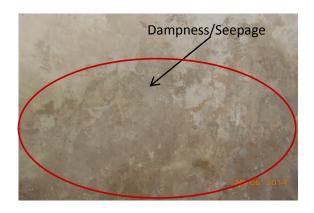


Photo 3

Dampness/Seepage on Wall No.1 of Shop No. 25, Viral Synthetic,

Basement



Photo 4
Covered with Materials, Wall No. 4 of Shop No. 25,
Synthetic, Basement

Viral



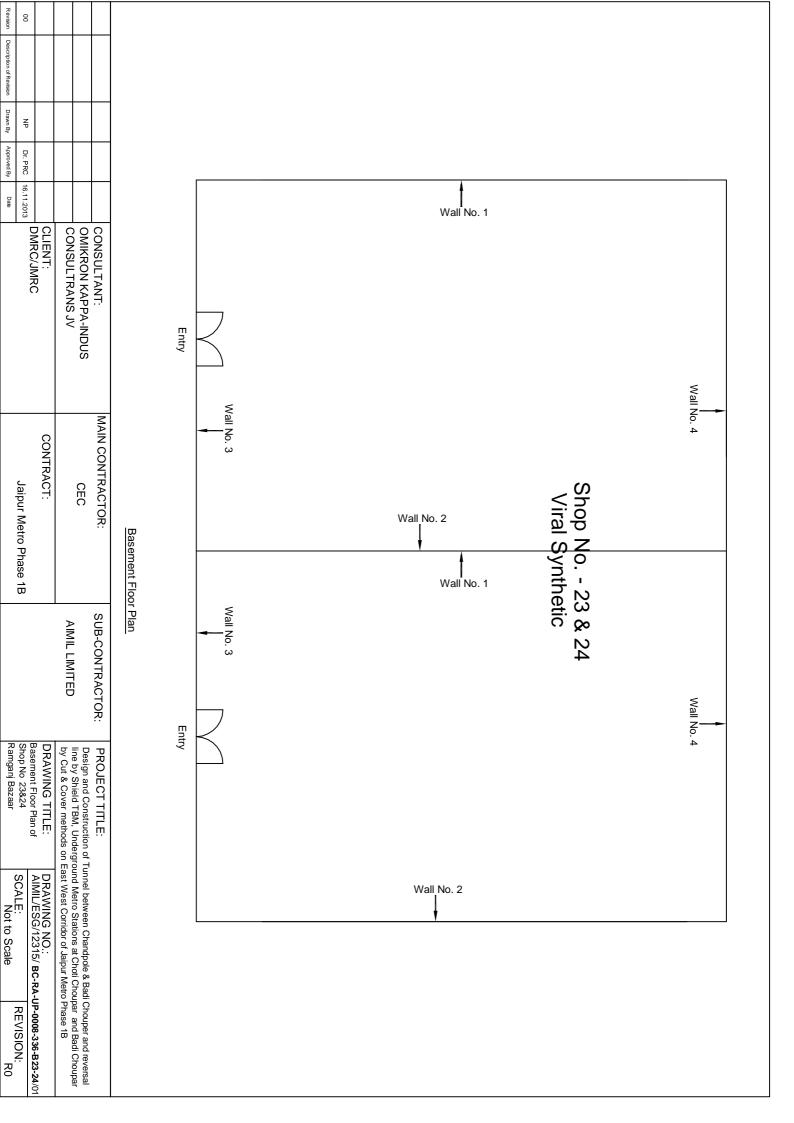
Photo 5
Covered with Materials, All Walls of Shop No. 23 & 24,Basement

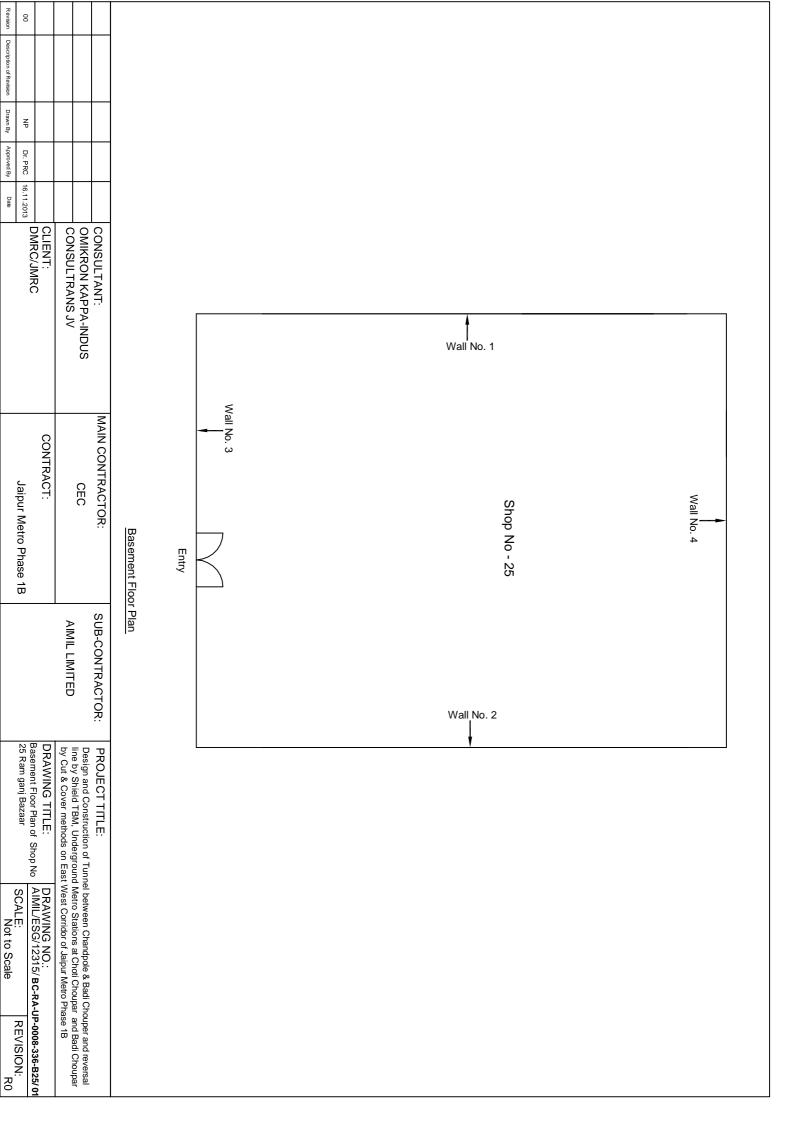


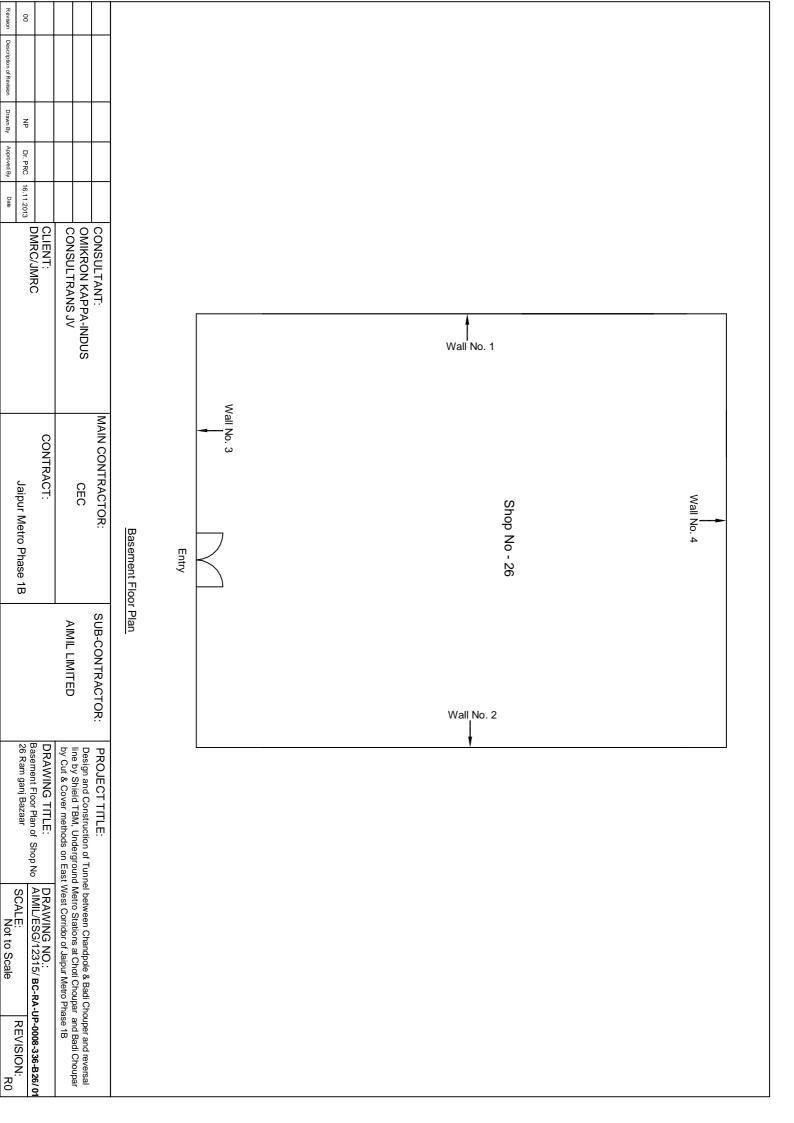
Photo 6
Covered with Materials, All Walls of Shop No.26, Basement













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

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Shop No 330 Ramganj Bazaar Jaipur Unique ID:BC-RA/UP/0012

Report Number: AIMIL/ESG/JMCEC/BC-RA/UP/0012-330/01, Rev. 00, Dated: June 2014

Building Owner Contractor Mr. Bhawani Singh CEC

Client Sub-Contractor JMRC Limited AIMIL Limited







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		Survey Details	
S.No.	Head	Particulars	Signatures
1	Date of Survey	26/06/2014	A CAMPAN CAMPAN
2	AIMIL Representative	MOND. QUANKAN	* NEW DELIE
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		





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About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 3 floors. The structure was constructed in year 1914 and is 100 years old.

There are 11 defects in the structure out of which 5 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)	5	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
BC-RA/UP/0012-330	New Janta Medical Hall, Shop No. 330	Mr. Bhawani Singh	







UR METRO Jaipur Metro Rail Corporation

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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

S. No.	Head	Particulars
1	Building Name	New Janta Medical Hall, Shop No. 330
2	Building Address	330-331, Ram Ganj Market
3	Year of Construction	1914
4	Number of Floors	G+3
5	Number of Basements	Not known
6	Type of Building	Commercial
7	Approximate Height	9m
8	Approximate Area	Not Known
9	Age of Building	100 years
10	Type of Structure	Load Bearing Structure
11	Type of Foundation	Not Known
12	Number of Bore Wells	None
13	Depth and Diameter of Bore	N.A
14	Roadways	One Sides
15	Presence of Equipment/Machines	None







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	Summary	of Cracks				
Defect ID	Location	Orientation	Appx. Width (mm)	Appx. Length (m)	Category	Photo No.
1	Wall No. 2 of Part-B of Shop No.330, Ground floor	Vertical	0.5	2	Very Slight	1A & 1B
2	Wall No. 2 of Part-B of Shop No.330, Ground floor	Inclined	0.35	2.2	Very Slight	2A & 2B
3	Wall No. 3 of Part-B of Shop No.330, Ground floor	Inclined	0.4	1.5	Very Slight	3A & 3B
4	Right Side Column of Varandah of Shop No.330	Inclined	0.8	1.2	Very Slight	4A & 4B
5	Beam of Varandah of Shop No.330,Ground Floor	Horizontal	0.15	1.5	Very Slight	5
	Summary of Defect	s Other Than (Crack			
Defect ID	Location		Desc	ription		Photo No.
1	Roof of Part-B of Shop No. 330, Ground floor		Plaster	Removal		6
2	Wall No. 1 of Part-B of Shop No. 330, Ground floor		Plaster	Removal		7A & 7B
3	Wall No. 4 of Part-B of Shop No. 330, Ground floor		Plaster	Removal		8A & 8B
4	Wall No. 2 of Part-B of Shop No. 330, Ground floor		Plaster	Removal		9
5	Wall No. 3 of Part-B of Shop No. 330, Ground floor		Plaster	Removal		10
6	Beam of Varandah of Shop No.330,Ground Floor		Dampnes	s/Seepage		11
	Summary of Areas that	Could not be	Surveyed			
Serial No.	Location		Desc	ription		Photo No.
1	All Walls of Shop No. 330, Ground floor		Covered w	rith wooden		12
2	Roof of Shop No. 330, Ground floor		Covered w	rith wooden		13







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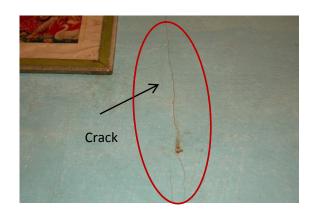


Photo 1A

Vertical Crack on Wall No. 2 of Part-B of Shop No.330,(G.F.) Approx. Width = 0.50mm, Approx. Length = 2.00m. Distance from Wall No. 3 = 0.60m, Height from Floor = 1.0m.

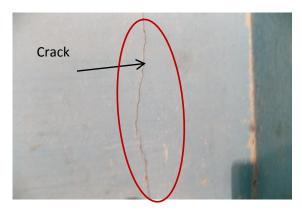


Photo 2A

Inclined Crack on Wall No. 2 of Part-B of Shop No.330, Ground floor Approx. Width = 0.35mm, Approx. Length = 2.20m.

Distance from Wall No. 3 = 0.20m, Height from Floor = 1.0m.

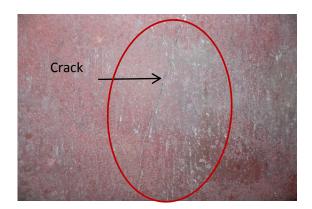


Photo 3A

Inclined Crack on Wall No. 3 of Part-B of Shop No.330, Ground floor Approx. Width = 0.40mm, Approx. Length = 1.50m.

Distance from Wall No. 2 = 0.40m, Height from Floor = 0.0m.

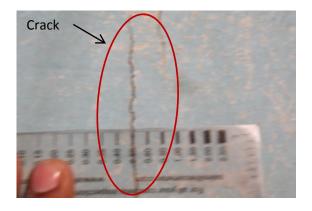


Photo 1B

Vertical Crack on Wall No. 2 of Part-B of Shop No.330,(G.F.) Approx. Width = 0.50mm, Approx. Length = 2.00m. Distance from Wall No. 3 = 0.60m, Height from Floor = 1.0m.

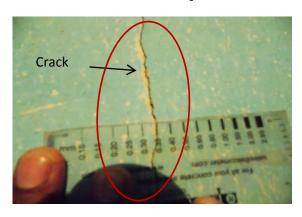


Photo 2B

Inclined Crack on Wall No. 2 of Part-B of Shop No.330, Ground floor Approx. Width = 0.35mm, Approx. Length = 2.20m.

Distance from Wall No. 3 = 0.20m, Height from Floor = 1.0m.



Photo 3B

Inclined Crack on Wall No. 3 of Part-B of Shop No.330, Ground floor Approx. Width = 0.40mm, Approx. Length = 1.50m.

Distance from Wall No. 2 = 0.40m, Height from Floor = 0.0m.







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



Photo 4A

Inclined Crack on Right Side Column of Varandah of Shop No.330, Ground floor Approx. Width = 0.80mm, Approx. Length = 1.20m. Distance from R.H. Column = 0.00m, Height from Floor = 2.50m.



Photo 4B

Inclined Crack on Right Side Column of Varandah of Shop No.330, Ground floor Approx. Width = 0.80mm, Approx. Length = 1.20m. Distance from R.H. Column = 0.00m, Height from Floor = 2.50m.

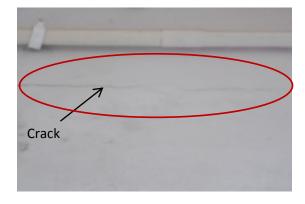


Photo 5

Horizontal Crack on Beam of Varandah of Shop No.330,Ground Floor, Approx. Width = 0.50mm, Approx. Length = 1.5m. Distance from Right side Column = 0.80m, Height from Floor = 2.9m.



Photo 6

Plaster Removal on Roof of Part-B of Shop No. 330, Ground floor



Photo 7A



Photo 7B

Plaster Removal on Wall No. 1 of Part-B of Shop No. 330, Ground floor Plaster Removal on Wall No. 1 of Part-B of Shop No. 330, Ground floor



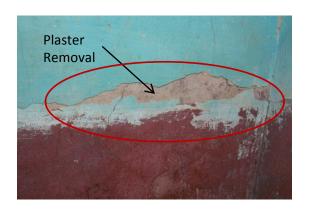








Plaster Removal on Wall No. 4 of Part-B of Shop No. 330, Ground floor Plaster Removal on Wall No. 4 of Part-B of Shop No. 330, Ground floor



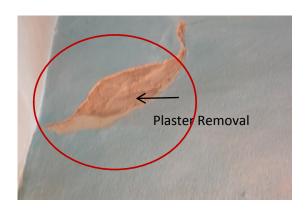


Photo 9 Photo 10

Plaster Removal on Wall No. 2 of Part-B of Shop No. 330, Ground floorr Plaster Removal on Wall No. 3 of Part-B of Shop No. 330, Ground floorr



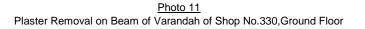




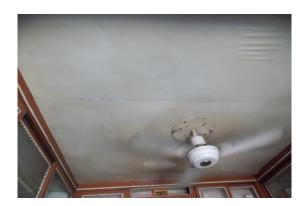
Photo 12
Covered with wooden, Roof of Shop No. 330, Ground floor







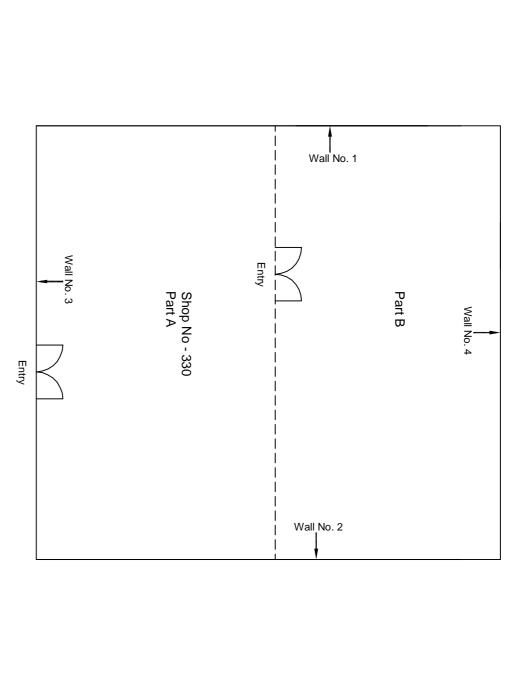
JAIPUR METRO Jaipur Metro Rail Corporation



 $\frac{\text{Photo 13}}{\text{Covered with wooden, All Walls of Shop No. 330, Ground floor}}$







Ground Floor Plan

RO	Not to Scale					Date	Approved By	Drawn By	Description of Revision Drawn By Approved By	Revision
REVISION:	SCAL F.	330 Ram Ganj Market		Jaipur Metro Phase 1B		16.11.2013	Dr. PRC 16.11.2013	N P		00
-UP-0012/330/ 01	AIMIL/ESG/12315/ BC-RA-UF-0012/330/ 0	Ground Floor Plan of Shop No			- DMRC/JMRC		1	1		
	DRAWING NO.:	DRAWING TITLE:		CONTRACT:	CLIENT:					
ase 1B	by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	by Cut & Cover methods on Eas	AIMILLIMITED		CONSULTRANSJV					
nouper and reversal r_and Badi Choupar	Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM. Underground Metro Stations at Choti Chouper and Badi Choupar	Design and Construction of Tun line by Shield TBM. Undergroun		CEC	OMIKRON KAPPA-INDUS					
		PROJECT TITLE:	SUB-CONTRACTOR:	MAIN CONTRACTOR:	CONSULTANT:					