



JAIPUR METRO Jaipur Metro Rail Corporation

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

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Shop No. 773-3
Atish ka Khanda
Jaipur
Unique ID:CC/0002

Report Number: AIMIL/ESG/JMCEC/CC/0002/773-3/01, Rev. 00, Dated: July 2014

Building Owner
Contractor

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

Survey Details

S.No.	Head	Particulars	Signatures
1	Date of Survey	26/6/2014	
2	AIMIL Representative	<i>MOND. SHARMA</i>	
3	CEC Representative		
4	Structural Designer of CEC		
5	JMRC/DMRC Representative		



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About the Structure

The structure under consideration is a Multi Story Load Bearing Structure having 2 floors. The structure was constructed in year 1914 & 100 Years Old.

There are 7 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 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)	2	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/0002/773-3	Basant Medical Store, Shop No.773-3	Mr. Pradeep Jaipuriya	



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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	Basant Medical Stores, Shop No. 773-3
2	Building Address	Mr. Pradeep Jaipuriya, Atish ka Khanda, Jaipur
3	Year of Construction	1914
4	Number of Floors	G+1
5	Number of Basements	Not Known
6	Type of Building	Commercial
7	Approximate Height	6m
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



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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	0.5	1.8	Very Slight	1
2	Vrandah Roof of Shop No. 773-3, Ground Floor	Horizontal	0.6	1.8	Very Slight	2

Summary of Defects Other Than Crack			
Defect ID	Location	Description	Photo No.
1	Roof of Shop No. 773-3, Ground Floor	Plaster Removal	3
2	Roof of Shop No. 773-3, Ground Floor	Plaster Crack	4
3	Wall No.3 of Shop No. 773-3, Ground Floor	Plaster Crack	5
4	Wall No.3 of Shop No. 773-3, Ground Floor	Dampness/ Seepage	6
5	Roof of Shop No. 773-3, Ground Floor	Plaster Crack	7

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



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Photo 1

Horizontal Crack on Vrandah Roof of Shop No. 773-3, Ground Floor, Approx. Width = 0.50mm, Approx. Length = 1.8m. Distance from Left Hand Column = 0m, Height from Floor = 3.00m.

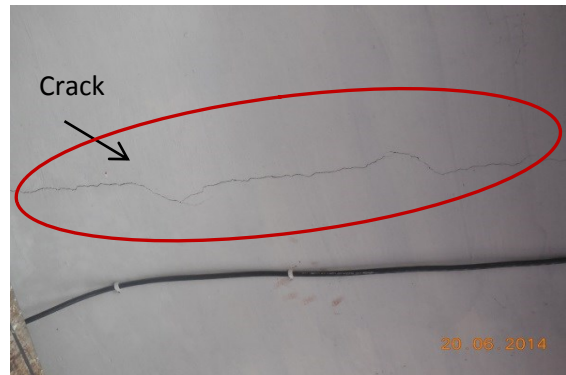


Photo 2

Horizontal Crack on Vrandah Roof of Shop No. 773-3, Ground Floor, Approx. Width = 0.60mm, Approx. Length = 1.8m. Distance from Right Hand Column = 0m, Height from Floor = 3.00m.

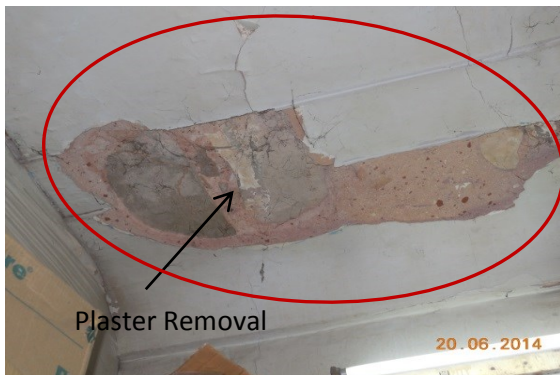


Photo 3

Plaster Removal on Roof of Shop No. 773-3, Ground Floor

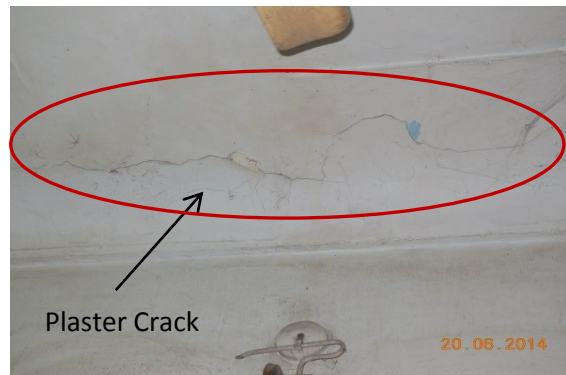


Photo 4

Plaster Crack on Roof of Shop No. 773-3, Ground Floor

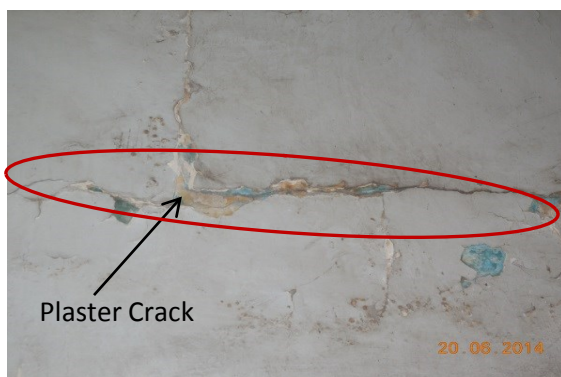


Photo 5

Plaster Crack on Wall No.3 of Shop No. 773-3, Ground Floor



Photo 6

Dampness/ Seepage on Wall No.3 of Shop No. 773-3, Ground Floor

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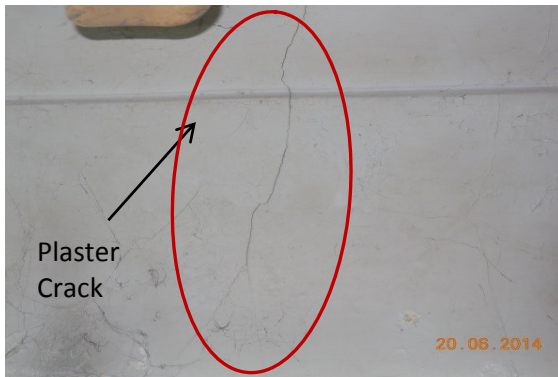
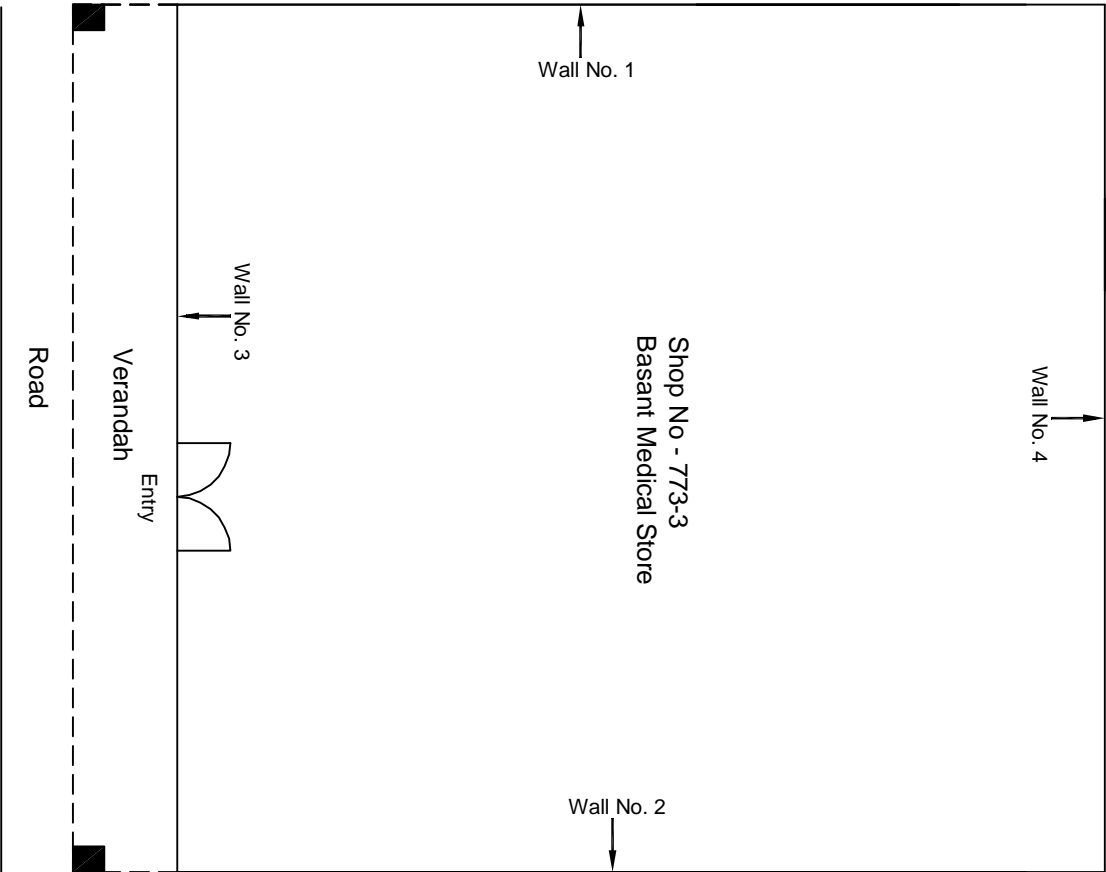


Photo 7

Plaster Crack on Roof of Shop No. 773-3, Ground Floor



Ground Floor Plan

					CONSULTANT: OMIKRON KAPPA-INDUS CONSULTRANS JV	MAIN CONTRACTOR: CEC	SUB-CONTRACTOR: AIMIL LIMITED	PROJECT TITLE: Design and Construction of Tunnel between Chandpole & Badi Chouper and reversal line by Shield TBM, Underground Metro Stations at Choti Chouper and Badi Chouper by Cut & Cover methods on East West Corridor of Jaipur Metro Phase 1B	
					CLIENT: DMRC/JMRC	CONTRACT: Jaipur Metro Phase 1B		DRAWING TITLE: Ground Floor Plan of Shop No 773-3, Choti Chouper	
00		NP	Dr. PRC	16.11.2013				DRAWING NO.: AIMIL/ESG/12315/ CC-0002/773-3/01	
Revision	Description of Revision	Drawn By	Approved By	Date				SCALE: Not to Scale	REVISION: R0