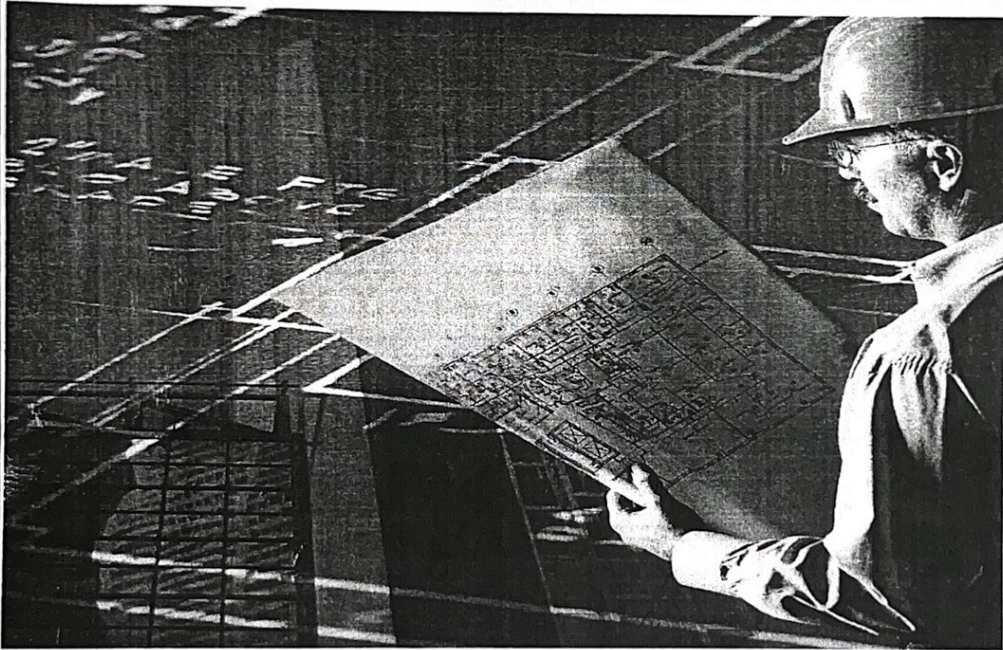

STRUCTURAL AUDIT REPORT FOR
FAROHAR CO.HSG.SOC.LTD,
DOSSABHOY MANSION, 796, JAME JAMSHED
ROAD, DADAR (E), MUMBAI- 400-014.



Compiled By
Retro fitters consulting engineers

Retro fitters consulting engineers
D/16, BAPTISTA COMPOUND, OPP. B.M.C. MARKET, GOREGAON (W).
MUMBAI - 400 062
TEL : 022 - 65055101 / 65055102/ 9820913132 / 9820464747
retrofitters@rediffmail.com

Retro fitters consulting engineers

SURVEY APPOINTMENT
LETTER

FAROHAR C.H.S.L., DADAR (E)

FAROHAR CO-OP. HOUSING SOCIETY LTD.

(Regn. No.: BOM/W-FN/HSG/(TC)3784/88-89 dated 3rd March 1989)

Dossabhoy Mansion,
796, Jume Jamshed Road,
Parsi Colony, Dadar,
Mumbai - 400 014.

To

27-6-2016

Retro fitters

Consulting engineers

D/16, Baptista Compound,
Opp. BMC Market, Goregaon (W)
Mumbai 400062.

Sub: Structural Audit & Visual Survey of our society Building.

Sir,

This is with reference to your offer for Civil Consultancy for survey of our society's Premises. We are pleased to appoint your firm as our Society's Consultants to carry out the survey. We understand that a detailed survey of external and internal areas of building premises will be conducted for analysis of the structural deterioration. Your firm shall submit to the society a detailed audit report that will include.

Internal & External Survey

- A) Flat to Flat Survey.
- B) Detail observation of flat defects
- C) Photographs of Defects.
- D) Defect in Building. (observation points)
- E) Cost of Repairs & Remedial Measures.
- F) UPV Tests
- G) Rebound hammer Tests
- H) Carbonation Tests
- I) Half Cell Potential Tests

Your fees for Survey shall be: Rs: 13000+ 15% service tax as per Govt. rules.

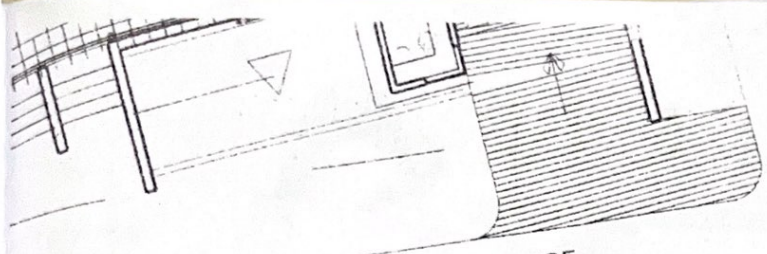
You can start your survey on date: 18/7/2015 at 10.30 AM

For, Farohar C.H.S.L.,

K. D. Donghiwala
Secretary

Chairman

K. D. Donghiwala
Treasurer



ARCHITECTS | INFRASTRUCTURE
 BUILDING REHABILITATION &
 SOCIETY REDEVELOPMENT PROJECT CONSULTANTS

Date: - 11/07/2016

TO,
 THE SECRETARY/CHAIRMAN,
 FAROHAR C.H.S.L.,
 Dossabhoy Mansion,
 796, Jame Jamshed Road,
 Parsi Colony, Dadar,
 Mumbai- 400-014.

SUB: RECOMMENDATION AFTER CONDUCTING VISUAL SURVEY AND N.D.T TEST FOR FAROHAR C.H.S.L.

Dear Sir,

We take this opportunity in thanking the society for appointing our firm to carry out the Structural Audit of your society building.

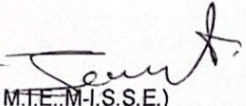
We have conducted Non Destructive Test which includes 1) Ultra Pulse Velocity Test 2) Rebound Hammer test in your building's R.C.C Frame Structure consist of Ground + 2 Floors Load Bearing Frame structure with 3 Floors TDR Extension constructed in R.C.C Frame Structure on external R.C.C column & beam and also after surveying the building visually, we have observed the following.

- 1) We have conducted UPV test on certain beam & column in that all the readings are less than 3km/sec and thus the average value of Tested Velocity is ranging 2.22 Km/Sec which is found satisfactory for Grade of Concrete if assumed of M15 Concrete.
- 2) After conducting Rebound hammer test on certain beam & column in that the readings varies in between below 10.2 N/mm² to 17.4 N/mm². Thus the average compressive strength is 15.33 N/mm² which is found satisfactory for Grade of Concrete if assumed of M15 Concrete.

In view of the above test and our observation, we recommend that the existing old building consist of Ground + 2 Floors R.C.C Composite Load Bearing Structure needs necessary structural repairs & civil work to ceiling & beam at External & Internal. Thus we recommend executing necessary structural repairs at External & Internal at Ground + 2 Floors R.C.C Composite Load Bearing Structure. Further the TDR Extension R.C.C Frame structure above old R.C.C Composite Load bearing wall structure 3 Floors are found in stable condition.

This is for your kind perusal and records.

FOR RETRO FITTERS CONSULTING ENGINEERS


 Saugat Shah (B.E. Civil, M.T.E., M.I.S.S.E.)
 (Structural Engineer)



Rakesh Salgaonkar (B.E. Civil)
 (Project Manager)

Structural License No – STR/S/219



AQUA LAB

All Building Material Testing

00550

Format No: NDT-02

Rev. No.- 01

TEST REPORT

SAMPLE TESTED : ON SITE

TEST REPORT NO.

: AQUA/16/G-2598/02

TEST REF. NO.

: 2698/02

TEST REPORT DATE.

: 05-07-2016

NAME OF CUSTOMER :

M/s Retro Fitters Consulting Engineers,
D/16, Samarth Complex, Baptista Compound,
Opp. B.M.C. Market,
Goregaon (W).

PROJECT / SITE ADDRESS :

Faroohar C.H.S.L., Plot No. 796,
Jame Jamshed Road,
Parsi Colony,
Dadar (East),
Mumbai- 400 014.

CUSTOMER REFERENCE NO. & DATE

: Letter Dated: 04-07-2016

QUANTITY

: 10 Points

CONDITION

: Satisfactory

TEST METHOD

: IS 13311 (Part 2) : 1992 (Reaff: 2008)

REBOUND HAMMER TEST RESULTS

ID of R.H.Instrument

: RH-01

Date of Testing

: 04/07/2016

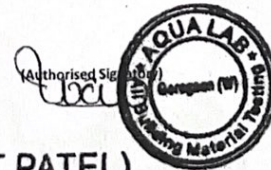
Sr. No.	ID Mark of Member	Location	Grade of Concrete	Date of Casting	Age of Concrete (Days)	Avg. Rebound Index (After Mean Outliers)	Comp. Strength, (N/mm ²)	Direction of Rebound	Surface Condition
1	Ground Floor	C-1	NA	NA	NA	25.0	17.4	Horizontal	Wet
2	Ground Floor	C-2	NA	NA	NA	24.8	17.1	Horizontal	Wet
3	Ground Floor	C-4	NA	NA	NA	24.6	16.7	Horizontal	Wet
4	Ground Floor	C-5	NA	NA	NA	24.6	16.7	Horizontal	Wet
5	Ground Floor	C-6	NA	NA	NA	24.8	17.1	Horizontal	Wet
6	5th Floor, Staircase	B-1	NA	NA	NA	22.0	10.2	Horizontal	Dry
7	Terrace Water Tank	C-14	NA	NA	NA	22.4	10.8	Horizontal	Dry
8	Lift Room	C-16	NA	NA	NA	26.8	17.1	Horizontal	Dry
9	Lift Room	C-18	NA	NA	NA	26.6	16.8	Horizontal	Dry
10	Ground Floor	C-9	NA	NA	NA	24.2	13.4	Horizontal	Dry

REMARKS:

- As Per IS 13311 (Part-2) Clause No 8.1, The Probable accuracy of prediction of concrete strength in a structure by the Rebound hammer is ± 25 percent as per IS 13311 (Part 2) : 1992 (Reaff: 2008).
- As per IS 13311 (Part-2), A wet condition will give underestimation of the strength of concrete calibrated under dry conditions. In structural Concrete, this can be about 20% lower than in an equivalent dry concrete.

NOTE :

- Sample /s was / were not drawn by The laboratory.
- The Reported results are valid at The time of performance of test /s under specific conditions only.
- No part of report, except in full, shall be reproduced without written consent of the laboratory.



(DIXIT PATEL)
Quality Manager

Page 1 of 1

Gala No.A-1, Singh Industrial Estate, Building No.1, Near Movie Star Theater, Ram Mandir Road, Goregaon (West),
Mumbai-400104. Customer Care No. 022 26786767 / 66978713 / 8422966113

Mail : aqualabmumbai01@gmail.com / report.aqualab@gmail.com / sales.aqualab@gmail.com, Web.: www.aqualab.co.in



AQUA LAB

All Building Material Testing

00549

Format No: NDT-01

Rev. No. - 01

SAMPLE TESTED : ON SITE

TEST REPORT NO

TEST REF. NO.

TEST REPORT DATE

TEST REPORT

: AQUA/16/G-2598/01

: 2698/01

: 05-07-2016

NAME OF CUSTOMER :

M/s Retro Fitters Consulting Engineers,
D/16, Samarth Complex, Baptista Compound,
Opp. B.M.C. Market,
Goregaon (W).

PROJECT / SITE ADDRESS :

Farohar C.H.S.L., Plot No. 796,
Jame Jamshed Road,
Parsi Colony,
Dadar (East),
Mumbai- 400 014.

CUSTOMER REF. & DATE

QUANTITY

CONDITION OF SAMPLE

TEST METHOD

: Letter Dated: 04-07-2016

: 18 Points

: Satisfactory

: IS 13311 (Part 1) - 1992 (Reaff : 2008)

ULTRASONIC PULSE VELOCITY TEST RESULTS OF CONCRETE

Sr. No. of USPV Instrument

USPV-01

Date of Testing

04/07/2016

Sr. No.	ID Mark of Member	Location	Grade of Concrete	Date of Casting	Age of Concrete (Days)	Travel Path Length (mm)	Travel Time (µsec)	Velocity (Km/sec)	Probing Method	Surface Condition
1	Ground Floor	C-1	NA	NA	NA	270	119.9	2.36	Cross Probing	Dry
2	Ground Floor	C-2	NA	NA	NA	280	87.3	3.34	Cross Probing	Dry
3	Ground Floor, Lift	C-3	NA	NA	NA	400	247.9	1.69	Surface Probing	Dry
4	Ground Floor, Lift	C-4	NA	NA	NA	400	178.1	2.36	Surface Probing	Dry
5	Ground Floor	C-5	NA	NA	NA	400	182.1	2.31	Surface Probing	Dry
6	Ground Floor	C-6	NA	NA	NA	320	117.2	2.87	Cross Probing	Dry
7	Ground Floor	C-7	NA	NA	NA	320	110.3	3.05	Cross Probing	Dry
8	Ground Floor	C-8	NA	NA	NA	400	203.4	2.06	Surface Probing	Dry
9	Ground Floor	C-9	NA	NA	NA	400	200.1	2.10	Surface Probing	Dry
10	Ground Floor	C-10	NA	NA	NA	400	245.1	1.71	Surface Probing	Dry
11	Ground Floor	C-11	NA	NA	NA	400	199.2	2.11	Surface Probing	Dry
12	Ground Floor	C-12	NA	NA	NA	400	281.5	1.49	Surface Probing	Dry
13	Ground Floor	C-13	NA	NA	NA	480	215.8	2.34	Cross Probing	Dry
14	Water Tank	C-14	NA	NA	NA	400	168.7	2.49	Surface Probing	Dry
15	Water Tank	C-15	NA	NA	NA	400	237.1	1.77	Surface Probing	Dry
16	Lift Room	C-16	NA	NA	NA	400	241.5	1.74	Surface Probing	Dry
17	Lift Room	C-17	NA	NA	NA	400	190.4	2.21	Surface Probing	Dry
18	5th Floor, Staircase	B-1	NA	NA	NA	400	209.7	2.00	Surface Probing	Dry

Remarks :

- As per IS 13311 (Part-1) : 1992 (Reaff: 2008) Clause No. 5.4.1 surface probing in general gives lower pulse velocity than in case of cross probing and depending on number of parameters, the difference could be of the order of about 1 Km/Sec
- As per IS 13311 (Part-1) : 1992 (Reaff: 2008) Clause No. 6.1, The Pulse Velocity of saturated concrete may be up to 2% higher than that of similar dry concrete. In general, drying of concrete may result in somewhat lower pulse velocity.

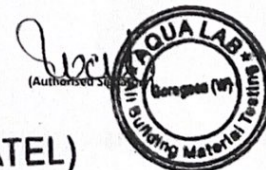
Velocity Criterion for Concrete As Per IS 13311 Part-2 (Reaff : 2008), Table No -02

- Velocity by cross probing, Above 4.5 km/sec - Excellent Quality of Concrete.
- Velocity by cross probing, 3.5 to 4.5 km/sec - Good Quality of Concrete.
- Velocity by cross probing, 3.0 to 3.5 km/sec - Medium Quality of Concrete.
- Velocity by cross probing, Below 3.0 km/sec - Doubtful Quality of Concrete.

- In case "doubtful" quality it may be necessary to carry out further tests.

NOTE :

- Sample /s was / were not drawn by The laboratory.
- The Reported results are valid at The time of performance of test /s under specific conditions only.
- No part of report, except in full, shall be reproduced without written consent of the laboratory.



(DIXIT PATEL)
Quality Manager

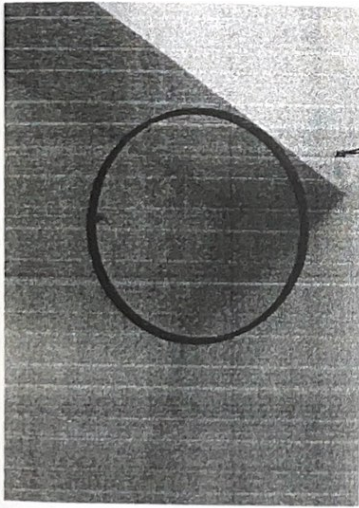
Retro fitters consulting engineers

PHOTOGRAPHIC
EVENTS FOR LEAKAGE &
STRUCTURAL DAMAGE

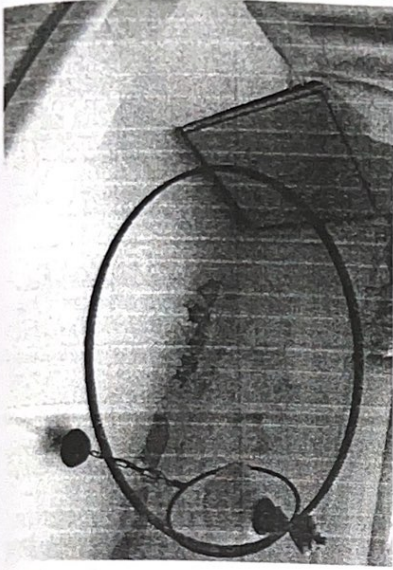
FAROHAR C.H.S.L., DADAR (E)



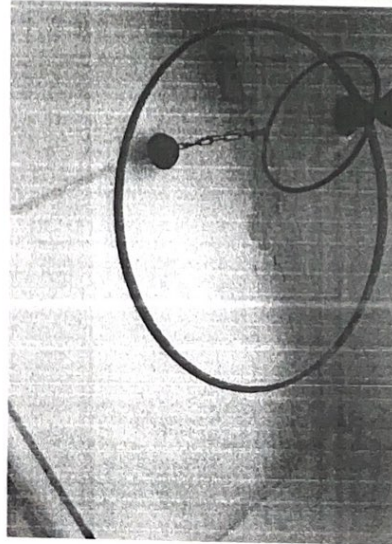
5.B- CEILING SHOWS CRACKS & CRAZING.



5B- CEILING AT CORNER SHOWS DRY SEEPAGE.



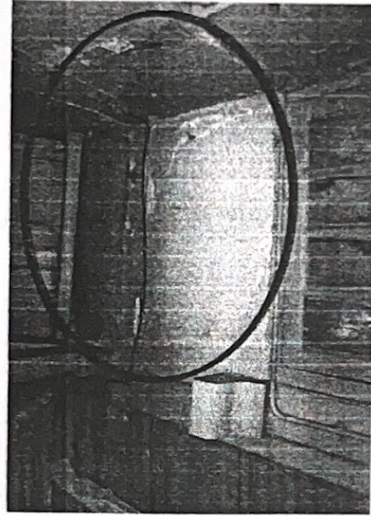
5B- DRY SEEPAGE & PAINT PEELING IN CEILING FROM EXTERNAL.



5.B- DRY SEEPAGE & PAINT PEELING IN CEILING FROM EXTERNAL.



2. B- LOAD BEARING MASONRY WALLS SHOWS EXTERNAL SEEPAGE.

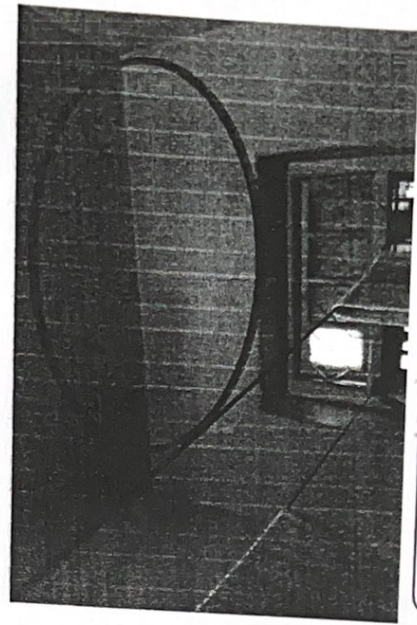


2.B- LOAD BEARING MASONRY WALLS SHOWS EXTERNAL SEEPAGE.

FAROHAR C.H.S.L., DADAR (E)



2. B- SEVERE STEEL EXPOSED AT R.C.C BEAM IS OBSERVED.



1.B- VERICAL CRACK ON LOAD BEARING WALL MASONRY IS OBSERVED.



2.B- EXTERNAL SEEPAGE FROM ROOF TOP IS OBSERVED. BUT AT PRESENT FOUND DRY.



1. B- MINOR CRACK ON LOAD BEARING WALL IS OBSERVED.

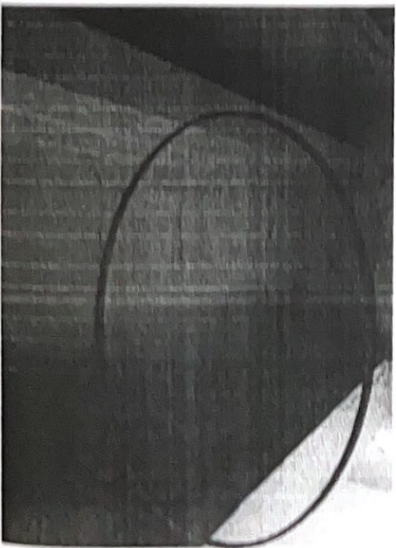


2. B- EXTERNAL SEEPAGE WITH DEEP MASONRY CRACKS IS FILLED WITH CEMENT MORTAR.



2. B-SEVERE EXTERNAL SEEPAGE IN CEILING IS OBSERVED.

FAROHAR C.H.S.L., DADAR (F)



1.A- CEILING SHOWS DELAMINATION EFFECTS.



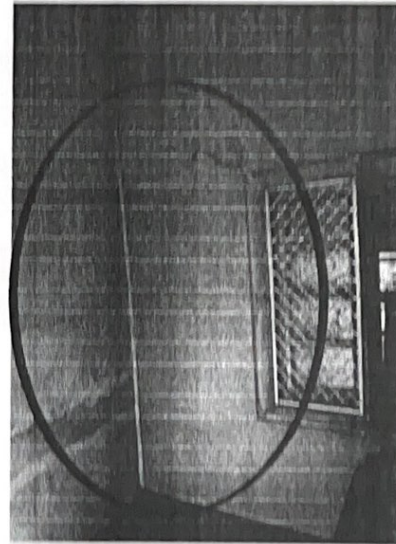
1.A- RC CRACK DEVELOPED IN THE R.C.C. BEAM CORNER.



1.A- RC CRACK DEVELOPED IN THE R.C.C. BEAM



1.A- VERTICAL CRACK IN LOAD BEARING WALL MASONRY IS OBSERVED.



1.A- VERTICAL CRACK DEVELOPED IN LOAD BEARING WALL MASONRY WALL.



1.A- CEILING SHOWS DELAMINATION EFFECTS.

FAROHAR C.H.S.L., DADAR (E)

Retro fitters consulting engineers

INTERNAL
SURVEILLANCE

FAROHAR C.H.S.L., DADAR (E)

Flat No: 3-7-16	FARO HAR C.H.S.L., DADAR (E)					Flat No: 1 B	Wing:	Measurement						
Name of the Room Space	External Leakages					Structural Deformation (Approx. Sq. Ft.)								
	Location					Columns				Beams				Ceiling
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S	
Living Room L-B	P.P. Me													
Balcony														
Kitchen L-B	Mr. P.P.													
Bed Room (I) L-B	Mr. P.P.													
Balcony														
Bed Room (II)														
Balcony														
Bed Room (III)														
Balcony														
Passage														
C. Load	CR													
Bath														
Drain water	Internal Walls					Special Remarks: Gr. to 2nd Floor. Load Baring. Structural								
Leakages	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall									
C.														
Bath														
		W.C.	Kit	Bath										
Leakage from Flat Above														
Leakage to Flat below														
Condition of N Trap														
Condition of Tiles														
Condition of Door frame														
Good R-Rotten														
Flat No: 3-7-16	FARO HAR C.H.S.L., DADAR (E)					Flat No: 1 A	Wing:	Measurement						
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)								
	Location					Columns				Beams				Ceiling
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S	
Living Room	P.P.													
Balcony	CR P.P.										CR			
Kitchen	Dry P.P.													
Bed Room (I) L-B	CR										CR		15'x15'	
Balcony											6			
Bed Room (II) L-B		SPM												
Balcony														
Bed Room (III) L-B		SPM												
Balcony														
Passage														
Drain water	Internal Walls					Special Remarks:								
Leakages	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall									
		W.C.	Kit	Bath										
Leakage from Flat Above														
Leakage to Flat below														
Condition of N Trap														
Condition of Tiles														
Condition of Door frame														
Good R-Rotten														
Flat No: 3-7-16	FARO HAR C.H.S.L., DADAR (E)					Flat No: 1 A	Wing:	Measurement						
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)								
	Location					Columns				Beams				Ceiling
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S	
Living Room	P.P.													
Balcony	CR P.P.													
Kitchen	Dry P.P.													
Bed Room (I) L-B	CR													
Balcony														
Bed Room (II) L-B		SPM												
Balcony														
Bed Room (III) L-B		SPM												
Balcony														
Passage														
Drain water	Internal Walls					Special Remarks:								
Leakages	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall									
		W.C.	Kit	Bath										
Leakage from Flat Above														
Leakage to Flat below														
Condition of N Trap														
Condition of Tiles														
Condition of Door frame														
Good R-Rotten														
Flat No: 3-7-16	FARO HAR C.H.S.L., DADAR (E)					Flat No: 1 A	Wing:	Measurement						
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)								
	Location					Columns				Beams				Ceiling
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S	
Living Room	P.P.													
Balcony	CR P.P.													
Kitchen	Dry P.P.													
Bed Room (I) L-B	CR													
Balcony														
Bed Room (II) L-B		SPM												
Balcony														
Bed Room (III) L-B		SPM												
Balcony														
Passage														
Drain water	Internal Walls					Special Remarks:								
Leakages	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall									
		W.C.	Kit	Bath										
Leakage from Flat Above														
Leakage to Flat below														
Condition of N Trap														
Condition of Tiles														
Condition of Door frame														
Good R-Rotten														

NAME: Katy Singapore wala
Signature of Member: [Signature]

NAME: Mr T. D. Sassawalla
Signature of Member: [Signature]

Date: 3-7-16		FARO HAR C.H.S.L., DADAR (E)					Flat No: 2A				Wing:				Measurement			
Name of the Room Space	External Leakages					Structural Deformation (Approx. Sq. Ft.)												
	Location					Columns				Beams				Ceiling				
	Ceiling	N. Wall	S. Wall	E. Wall	W. Wall	NE	NW	SE	SW	N	E	W	S					
Living Room	1. Seepage																	
Balcony																		
Kitchen																		
Bed Room (I)																		
Balcony																		
Bed Room (II)																		
Balcony																		
Bed Room (III)																		
Balcony																		
Passage																		
W.C.																		
Bath																		
Drain water Leakages	Internal Walls					Special Remarks: No leakage & seepage Structural Good Condition												
	Ceiling	N. Wall	S. Wall	E. Wall	W. Wall													
	W.C.	Kit	Bath															
Leakage from Flat Above																		
Leakage to Flat below																		
Condition of N Trap						NAME:												
Condition of Tiles						Signature of Member: K.D. Dangiwalla												
Condition of Door frame																		
Good R-Rotten																		

Date: 3-7-16		FARO HAR C.H.S.L., DADAR (E)					Flat No: 2B				Wing:				Measurement			
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)												
	Location					Columns				Beams				Ceiling				
	Ceiling	N. Wall	S. Wall	E. Wall	W. Wall	NE	NW	SE	SW	N	E	W	S					
Living Room																		
Balcony																		
Kitchen																		
Bed Room (I)	CR	SPMP			SPM								CR					
Balcony																		
Bed Room (II)																		
Balcony																		
Bed Room (III)																		
Balcony																		
Passage																		
W.C.																		
Bath																		
Drain water Leakages	Internal Walls					Special Remarks: Bed room :- Ceiling seepage & w-beam cracks.												
	Ceiling	N. Wall	S. Wall	E. Wall	W. Wall													
	W.C.	Kit	Bath															
Leakage from Flat Above																		
Leakage to Flat below																		
Condition of N Trap						NAME:												
Condition of Tiles						Signature of Member: K.D. Dangiwalla												
Condition of Door frame																		
Good R-Rotten																		

Date: 3-7-16	FARO HAR C.H.S.L., DADAR (E)					Flat No: 3A	Wing:	Measurement					
Name of the Room Space	External Leakages					Structural Deformation (Approx. Sq. Ft.)							
	Location					Columns				Beams			
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S
Living Room	/												
Balcony	/												
Kitchen	/												
Bed Room (I)	/												
Balcony													
Bed Room (II)													
Balcony													
Bed Room (III)													
Balcony													
Passage	/												
W.C.													
Bath													
Toilet water leakages	Internal Walls					Special Remarks: No leakage of Seepage.							
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall								
W.C.	/	/	/	/	/								
Bath	/	/	/	/	/								
		W.C.	Kit	Bath									
Leakage from Flat Above													
Leakage to Flat below													
Condition of N Trap													
Condition of Tiles													
Condition of Door frame													
G-Good R-Rotten													
						NAME: Anamity K. Pooniwala							
						Signature of Member: Anamity K. Pooniwala							

Date: 3-7-16	FARO HAR C.H.S.L., DADAR (E)					Flat No: 3B	Wing:	Measurement					
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)							
	Location					Columns				Beams			
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S
Living Room	/												
Balcony	/												
Kitchen	/												
Bed Room (I)													
Balcony	m.e.p.p												
Bed Room (II)	/												
Balcony													
Bed Room (III)													
Balcony													
Passage	/												
W.C.													
Bath													
Toilet water leakages	Internal Walls					Special Remarks: No leakage of Seepage.							
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall								
W.C.	/	/	/	/	/								
Bath	/	/	/	/	/								
		W.C.	Kit	Bath									
Leakage from Flat Above													
Leakage to Flat below													
Condition of N Trap													
Condition of Tiles													
Condition of Door frame													
G-Good R-Rotten													
						NAME: PHIRDZ. D. VANDREWALA							
						Signature of Member: Vandrewala							

Date: 3-7-16	FAROHAR C.H.S.L., DADAR (E)					Flat No: 4B				Wing:				Measurement		
Name of the Room Space	External Leakages					Structural Deformation (Approx. Sq. Ft.)										Ceiling
	Location					Columns				Beams						
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S			
Living Room																
Balcony																
Kitchen																
Bed Room (I)																
Balcony																
Bed Room (II)																
Balcony														Pl-cr		
Bed Room (III)																
Balcony																
Passage																
P.C.																
Bath																
Soil water leakages	Internal Walls					Special Remarks: No leakage										
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal											
P.C.																
Bath																
		W.C.	Kit	Bath												
Leakage from Flat Above																
Leakage to Flat below																
Condition of N Trap																
Condition of Tiles																
Condition of Door frame																
Good R-Rotten																

NAME: J.D. Senavala

Signature of Member: *J.D. Senavala*

Date: 3-7-16	FAROHAR C.H.S.L., DADAR (E)					Flat No: 4B 4A				Wing: /				Measurement		
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)										Ceiling
	Location					Columns				Beams						
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S			
Living Room	F.c															
Balcony	Bad Dry															
Kitchen	Bad Dry															
Bed Room (I)																
Balcony																
Bed Room (II)																
Balcony																
Bed Room (III)																
Balcony																
Passage	P.p															
P.C.																
Bath																
Soil water leakages	Internal Walls					Special Remarks: No leakage.										
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal											
P.C.																
Bath																
		W.C.	Kit	Bath												
Leakage from Flat Above																
Leakage to Flat below																
Condition of N Trap																
Condition of Tiles																
Condition of Door frame																
Good R-Rotten																

NAME: J.D. Senavala

Signature of Member: *J.D. Senavala*

Date: 3-7-16		FARO HAR C.H.S.L., DADAR (E)					Flat No: 5A				Wing:				Measurement
Name of the Room Space	External Leakages					Structural Deformation (Approx. Sq. Ft.)									
	Location					Columns				Beams				Ceiling	
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S		
Living Room	✓														
Balcony	✓														
Kitchen	✓														
Bed Room (I)	✓														
Balcony	✓														
Bed Room (II)	✓														
Balcony	✓														
Bed Room (III)	✓														
Balcony	✓														
Passage	✓														
W.C.	✓														
Bath	✓														
Drain water Leakages	Internal Walls					Special Remarks: No leakage & seepage.									
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal										
W.C.	✓	✓	✓	✓	✓										
Bath	✓	✓	✓	✓	✓										
	W.C.	Kit	Bath												
Leakage from Flat Above															
Leakage to Flat below															
Condition of N Trap															
Condition of Tiles															
Condition of Door frame															
Good R-Rotten															
Date: 3-7-16		FARO HAR C.H.S.L., DADAR (E)					Flat No: 5B				Wing:				Measurement
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)									
	Location					Columns				Beams				Ceiling	
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S		
Living Room	MEPP														
Balcony															
Kitchen Bal.	me														
Bed Room (I)	SRM														
Balcony															
Bed Room (II)	P.P														
Balcony															
Bed Room (III)															
Balcony															
Passage	✓														
W.C.	✓														
Bath	✓														
Drain water Leakages	Internal Walls					Special Remarks: Bed room I:- Ceiling seepage from Terrace.									
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal										
W.C.	✓	✓	✓	✓	✓										
Bath	✓	✓	✓	✓	✓										
	W.C.	Kit	Bath												
Leakage from Flat Above															
Leakage to Flat below															
Condition of N Trap															
Condition of Tiles															
Condition of Door frame															
Good R-Rotten															
Date: 3-7-16		FARO HAR C.H.S.L., DADAR (E)					Flat No: 5B				Wing:				Measurement
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)									
	Location					Columns				Beams				Ceiling	
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S		
Living Room															
Balcony															
Kitchen Bal.	me														
Bed Room (I)	SRM														
Balcony															
Bed Room (II)	P.P														
Balcony															
Bed Room (III)															
Balcony															
Passage	✓														
W.C.	✓														
Bath	✓														
Drain water Leakages	Internal Walls					Special Remarks: Bed room I:- Ceiling seepage from Terrace.									
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal										
W.C.	✓	✓	✓	✓	✓										
Bath	✓	✓	✓	✓	✓										
	W.C.	Kit	Bath												
Leakage from Flat Above															
Leakage to Flat below															
Condition of N Trap															
Condition of Tiles															
Condition of Door frame															
Good R-Rotten															
Date: 3-7-16		FARO HAR C.H.S.L., DADAR (E)					Flat No: 5B				Wing:				Measurement
Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)									
	Location					Columns				Beams				Ceiling	
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S		
Living Room															
Balcony															
Kitchen Bal.	me														
Bed Room (I)	SRM														
Balcony															
Bed Room (II)	P.P														
Balcony															
Bed Room (III)															
Balcony															
Passage	✓														
W.C.	✓														
Bath	✓														
Drain water Leakages	Internal Walls					Special Remarks: Bed room I:- Ceiling seepage from Terrace.									
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal										
W.C.	✓	✓	✓	✓	✓										
Bath	✓	✓	✓	✓	✓										
	W.C.	Kit	Bath												
Leakage from Flat Above															
Leakage to Flat below															
Condition of N Trap															
Condition of Tiles															
Condition of Door frame															
Good R-Rotten															

NAME: Fali P. Talwar
Signature of Member: Fali P. Talwar

NAME: Myroona Karani
Signature of Member: SA Qubark

Date: 3-7-16 FAROHAR C.H.S.L., DADAR (E) Flat No: 'C' Block Wing: Measurement

Name of the Room Space	External Leakages					Structural Deformation (Approx. Sq. Ft.)								Ceiling
	Location					Columns				Beams				
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S	
Living Room														
Balcony														
Kitchen														
Bed Room (I)														
Balcony														
Bed Room (II)														
Balcony														
Bed Room (III)														
Balcony														
Passage														
W.C.														
Bath														
Toilet water														
Leakages														
W.C.														
Bath														
		W.C.	Kit	Bath										
Leakage from Flat Above														
Leakage to Flat below														
Condition of N Trap														
Condition of Tiles														
Condition of Door frame														
Good R-Rotten														

Special Remarks: No leakage.

NAME: Zenobia dehaiporia
Signature of: [Signature]
Member: Jor. Adil

Date: 3-7-16 FAROHAR C.H.S.L., DADAR (E) Flat No: 'B' Block Wing: Measurement

Name of the Room Space	External Leakages					Structural Deformation (Sq. Ft.)								Ceiling
	Location					Columns				Beams				
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wall	NE	NW	SE	SW	N	E	W	S	
Living Room	SPM/GR													
Balcony														
Kitchen	CR													8x6
Bed Room (I)														
Balcony														
Bed Room (II)														
Balcony														
Bed Room (III)														
Balcony														
Passage														
W.C.														
Bath														
Toilet water														
Leakages														
W.C.														
Bath														
		W.C.	Kit	Bath										
Leakage from Flat Above														
Leakage to Flat below														
Condition of N Trap														
Condition of Tiles														
Condition of Door frame														
Good R-Rotten														

Special Remarks: Ceiling Sagging & Ceiling Cracks.

NAME:
Signature of: K. D. Loongsiwalle
Member:

Retro fitters consulting engineers
Ground Floor.

3-7-16		FARO HAR C.H.S.L., DADAR (E)					Flat No : A' Block				Wing:				Measure ment			
Room	External Leakages					Structural Deformation (Approx.Sq.Ft.)												
	Location					Columns				Beams				Ceiling				
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S					
Room	/	/	/	/	/													
Room (I)	/	/	/	/	/													
Room (II)	/	/	/	/	/													
Room (III)	/	/	/	/	/													
Water Leaks	Internal Walls					Special Remarks: No leakage & seepage												
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal													
		W.C.	Kit	Bath														
						NAME: M. J. Bhalwala												
						Signature of Member:												

		FARO HAR C.H.S.L., DADAR (E)					Flat No :				Wing:				Measure ment			
Room	External Leakages					Structural Deformation (Sq.Ft.)												
	Location					Columns				Beams				Ceiling				
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal	NE	NW	SE	SW	N	E	W	S					
Room																		
Room (I)																		
Room (II)																		
Room (III)																		
Water Leaks	Internal Walls					Special Remarks:												
	Ceiling	N.Wall	S.Wall	E.Wall	W.Wal													
		W.C.	Kit	Bath														
						NAME:												
						Signature of Member:												

Retro fitters consulting engineers

DETAIL OBSERVATION
FOR LEAKAGES &
STRUCTURAL DAMAGES

FAROHAR C.H.S.L., DADAR (E)

OBSERVATIONS:- FOLLOWING FLATS CARRIED LEAKAGE AND STRUCTURAL PROBLEMS

GROUND FLOOR						
FLAT.NO	HALL	KITCHEN	BED-1	BED-2	WC	BATH
A	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM
B	CRACKS & SEEPAGE IN CEILING					
C	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM
1ST FLOOR						
FLAT.NO	HALL	KITCHEN	BED-1	BED-2/3	WC	BATH
1A	PAINT PEELING IN CEILING WITH CRACKS & PAINT PEELING IN BALCONY CEILING. ALSO RC CRACK IS FOUND IN EAST BEAM.	CEILING SHOWS DRY SEEPAGE & PAINT PEELING.	CRACKS IN CEILING WITH EAST BEAM SHOWING RC CRACK.	SOUTH WALL SHOWS EXTERNAL SEEPAGE IN SOUTH WALL AT BED-1/2.		
1B	CEILING SHOWS PAINT PEELING & CRACKS.	MINOR CRACKS & PAINT PEELING IN CEILING.	MINOR CRACKS & PAINT PEELING IN CEILING.			
2ND FLOOR						
FLAT.NO	HALL	KITCHEN	BED-1	BED-2/3	WC	BATH
2A	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.
2B	OK	OK	CRACKS & EXTERNAL SEEPAGE IN CEILING & WEST WALL WITH RC CRACK IN WEST BEAM.	OK	OK	OK

OBSERVATIONS:- FOLLOWING FLATS CARRIED LEAKAGE AND STRUCTURAL PROBLEMS

GROUND FLOOR						
FLAT.NO	HALL	KITCHEN	BED-1	BED-2	WC	BATH
A	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM
B	CRACKS & SEEPAGE IN CEILING					
C	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM	NO LEAKAGE & SEEPAGE PROBLEM
1ST FLOOR						
FLAT.NO	HALL	KITCHEN	BED-1	BED-2/3	WC	BATH
1A	PAINT PEELING IN CEILING WITH CRACKS & PAINT PEELING IN BALCONY CEILING. ALSO RC CRACK IS FOUND IN EAST BEAM.	CEILING SHOWS DRY SEEPAGE & PAINT PEELING.	CRACKS IN CEILING WITH EAST BEAM SHOWING RC CRACK.	SOUTH WALL SHOWS EXTERNAL SEEPAGE IN SOUTH WALL AT BED-1/2.		
1B	CEILING SHOWS PAINT PEELING & CRACKS.	MINOR CRACKS & PAINT PEELING IN CEILING.	MINOR CRACKS & PAINT PEELING IN CEILING.			
2ND FLOOR						
FLAT.NO	HALL	KITCHEN	BED-1	BED-2/3	WC	BATH
2A	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM. CRACKS & EXTERNAL SEEPAGE IN CEILING & WEST WALL WITH RC CRACK IN WEST BEAM.	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.	NO LEAKAGE & SEEPAGE PROBLEM.
2B	OK	OK		OK	OK	OK

