

MODI

**PROPERTIES &
INVESTMENT PVT. LTD.,**

**VISTA HOMES
RESIDENTIAL APARTMENTS**

**SITE VISIT REPORT ON
ELECTRICAL, PLUMBING &
FIRE FIGHTING SYSTEM**



INTRODUCTION

GENERAL:

The purpose of this document is to present all the information with respect to **MEP Services like Electrical, Plumbing & Fire Fighting system** in the existing Residential Apartments facility of **M/s. VISTA HOMES** at Kushaiguda, Hyderabad.

The following details are gathered during our visits along with drawings provided by the management.

1.0 DESCRIPTION OF BUILDING:

1.1 INTRODUCTION:

The Building consists of Common Basement, 9 Tower Blocks (A to I Blocks) & each tower consists of Ground floor, first floor, second floor, third floor, fourth floor and roof with separate Ground + Four floors Amenities Building.

The building is about

- 1,58,000 Sq. Ft (approx..) Common Basement area.
- 3,92,000 Sq.ft(approx..) Super built up area of total 9 towers Residential blocks
- 9,500 sq.ft (approx...) area of Amenities block.

The Building is constructed & completed on phase wise.

MEP SERVICES of the building including basement is as follows.

1. **Electrical system.**
2. **PHE system - Drainage, Water supply & Rain water.**
3. **Fire fighting system with sprinkler in basement**



2.0 General:

2.1 PREAMBLE:

2.1.1 The facility is provided with the following:

a) Electrical:

The Complete required Power tapping from 11KV OH line & it is step down to 433volts , 3-phase 4 wire system with 3nos. 315 KVA & 1no. 500KVA Distribution Transformers.

Power distribution is considered for all blocks is as per Electricity Board (EB) letters dated.

1. For A & I BLOCKS - G.O.O (COMML) MS.NO.17/13-14 DATED 28-02-2014.

2. For B & H BLOCKS - SP.O.O (COMML) MS.NO.05/2014-15 DATED 02-01-2015.

3. For C & G BLOCKS - MEMO NO. CGM / OPERATIONS/RR ZONE/HYD/DE(T)/ADE-I/D.NO.4810/16-17 DATED 16.02.2017

4. For D,E & F BLOCKS - LT.NO.CGM / OP/MEDCHAL ZONE/HYD/DE(TECH)/AE(C)/D.NO.1268/18-19 DATED 25/09/2018.

5. For E BLOCK-EXTENSION - L.R.NO.SE / OP/HBG/COMMERCIAL/DR.NO.279/20-21/ D.NO.2658/20-21 DT. 20/11/2020.

Note: Copy of letters attached as Annexure -01

& all safety standards followed as per EB Norms & requirements.

Power distribution to Individual Blocks & Amenities block is as follows

Block – A & I

The Total Required Electrical Power for **BLOCK - A & I** is feeding from 1 No. 315 kVA Distribution Transformer & it is Connected to :-

74 Flats (2BHK- 35Nos. + 3BHK - 39Nos.)@ 5KW Each Flat - 3Phase for Domestic,
1No. - 3Phase - 20KW Common Facility,
1No. - 3 Phase 5 KW for Non Domestic.



Block – B & H

The Total Required Electrical Power for **BLOCK - B & H** is feeding from 1 No. 315 kVA Transformer & it is Connected to :-

90 Flats (2BHK-50Nos. + 3BHK-40Nos.)@ 5KW Each Flat - 3Phase for Domestic,
1No. - 3Phase- 20KW Domestic,
2Nos -3 Phase 2 KW for Non Domestic.
1No. -3Phase- 20KW Non Domestic.

Block – C & G

The Total Required Electrical Power for **BLOCK - C & G** is feeding from 1 No. 315 kVA Transformer & it is Connected to :-

84 Flats (2BHK-40Nos.+ 3BHK-40Nos.+ 1BHK-4nos (3KW each))@ 5KW Each Flat - 3Phase (2BHK & 3 BHK) for Domestic,
1No. - 3Phase- 20KW Domestic,
2Nos -3 Phase 2 KW for Non Domestic.

Block – D, E, F & Amenities Block

The Total Required Electrical Power is feeding from 1 No. 500 kVA off circuit Transformer Connected to :-

130 Flats (2BHK-70Nos. + 3BHK-60Nos) @ 5KW Each Flat - 3Phase for Domestic,
2Nos -3 Phase 20 KW CT Operated.

The Above complete Electrical Works, Transformer Capacity, Loads for each Individual Flat, Common area loads are considered based on EB Requirements and Safety Standards followed, Executed according to EB Standards, approved drawings and estimation.



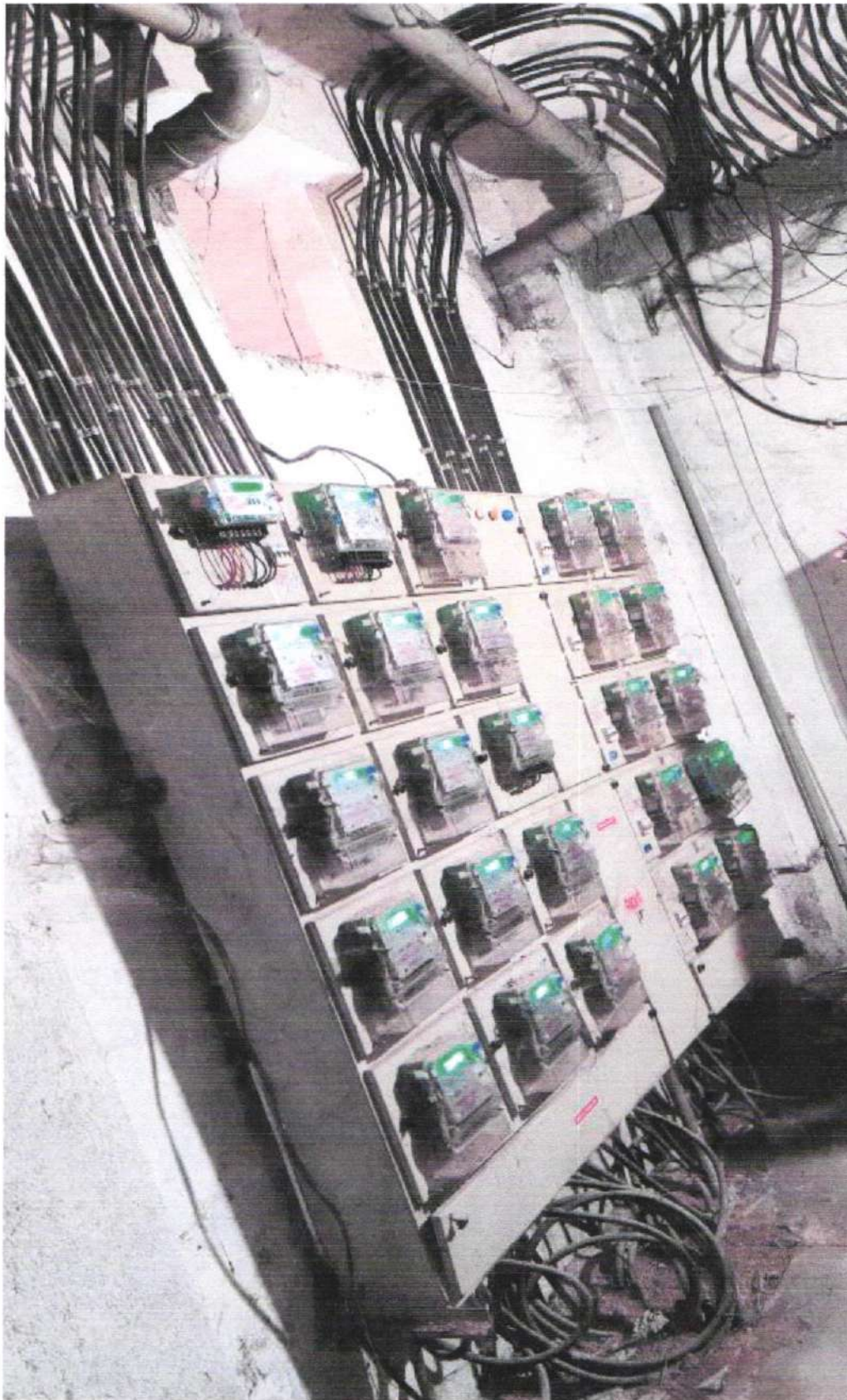
Transformer / Electrical Metering installation pictures.
TRANSFORMER YARD -01

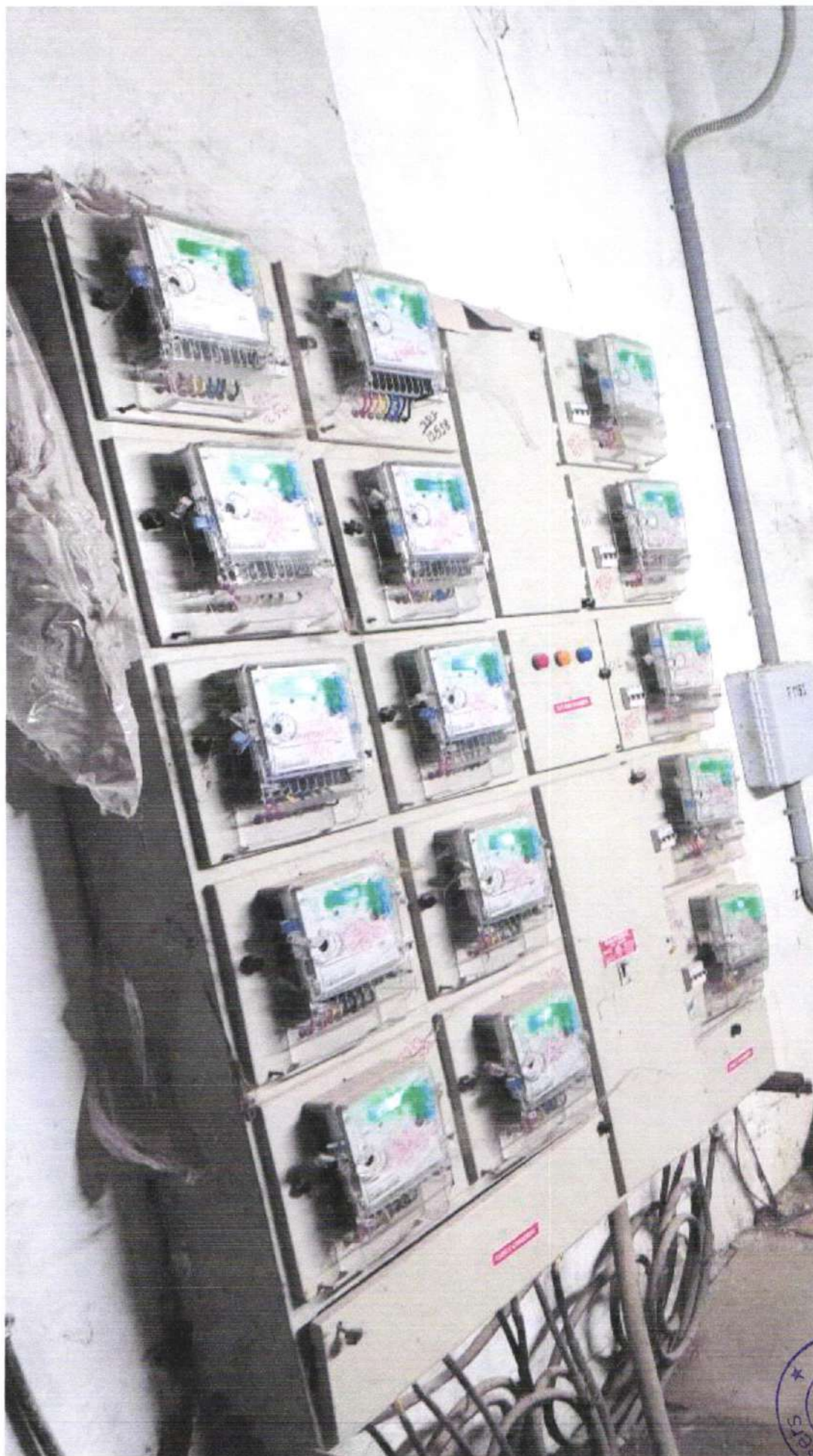


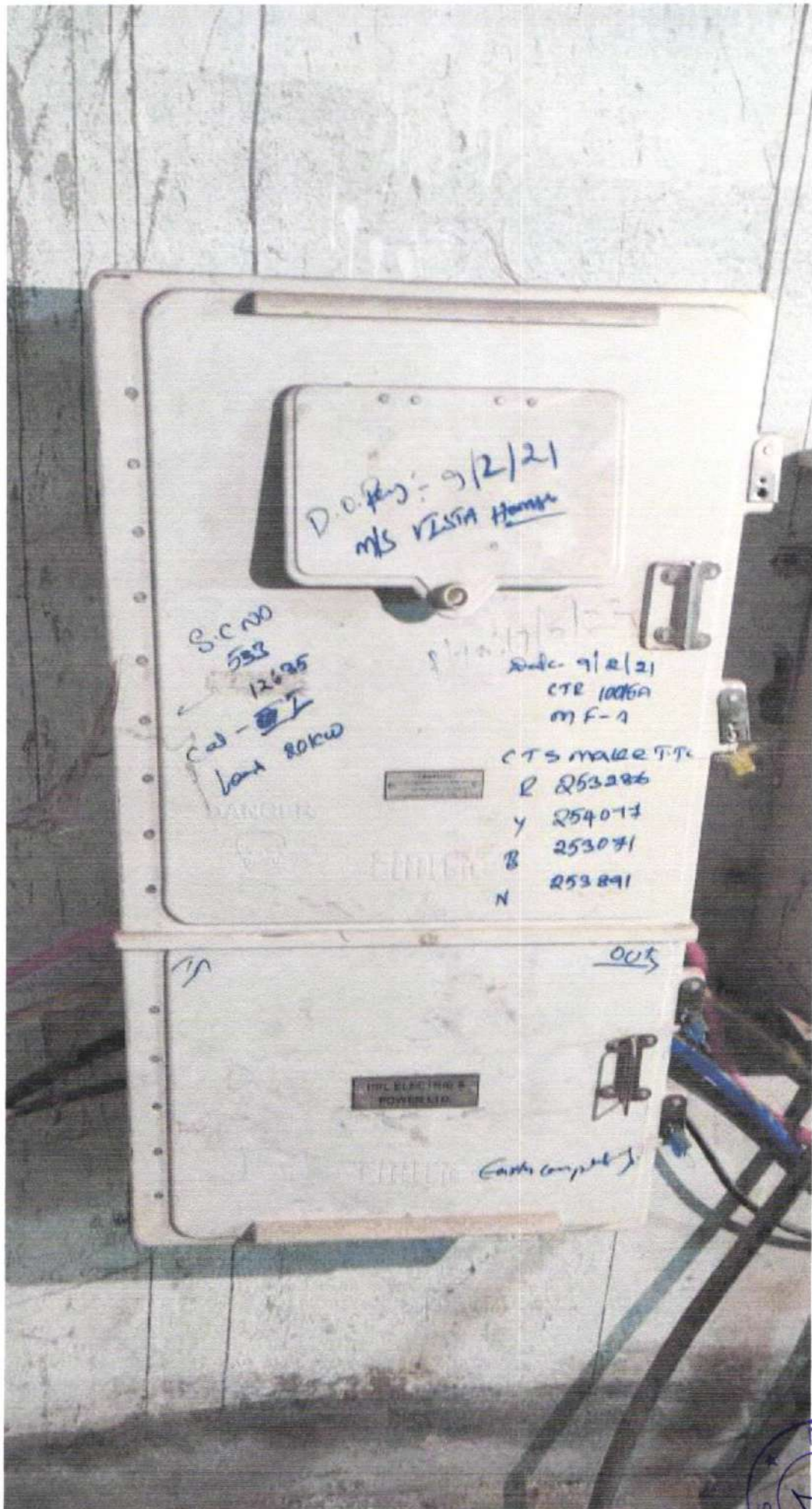
TRANSFORMER YARD -02



METERING PANEL BOARD AT ELECTRICAL ROOM (TYP)









ANNEXURE - 01 - ELECTRICAL AUTHORITIES LETTERS - FOR ALL BLOCKS

A&I check



CENTRAL POWER DISTRIBUTION CO. LTD.

OF A.P. LIMITED

Office of
THE CHIEF GENERAL MANAGER
COMMERCIAL
CORPORATE OFFICE
APPTCL
HYDRABAD

COMPLIANCE NO. 174/13-14, DATE: 28.02.2014

Ref: Estimate for extension of supply to 74 Nos 3 Ph each 5kW Domestic loads and 1 No 3 Ph 20KW Domestic load over and above the existing 110 S-PW (SL No 221201258) Non-Domestic load to M/s. Meta Homes at Sy No 193, 194 & 195 R.N Colony, Chetapally Section of Sainikpuri Sub-Division of Sainikpuri Division in Rang Reddy East Circle under capital works. Reg
Administrative approval Accorded

(Ref: Estimate Number: P-2013-14-03-11-04-170)

The above estimate is administratively approved and technically sanctioned and registered as 626/2/2013-14, DATE 26.02.2014

The sanction accords is subject to the following conditions:

1. APCPDCL after careful examination of the above proposal hereby accords approval for the scheme at a cost of Rs. 15,92,116.00
2. In exercise of the powers conferred under section 423 of the Electricity Act, 2003 Central Act, No 35 of 2003 to extend its area of supply and to supply electricity in accordance with the provisions contained in this act
3. The sanction accorded in para-1 above is subject to instructions issued already on release of service and tariff as may be in force from time to time.
4. The expenditure is chargeable to APCPDCL Capital Receipts and Expenditure: B. Expenditure 2 Transmission Lines (Including Sub Stations) 3 Distribution System (Including Sub Stations) capital works in progress Transmission plant (Extra High Voltage A/C, No.0204) Distribution System (High Voltage A/C, No.0204) Distribution System Medium Voltage (A/C No.0205) Street Lighting
5. The work will be executed by THE ASSISTANT DIVISIONAL ENGINEER OPERATION SAINIKPURI SUB DIVISION and all necessary approvals and payments must be ensured before release of supply.
6. Consumer has to pay the following charges through a single DD in the Customer Service Center / Integrated Customer Service Center.

A. Servicing charges	Rs. 9,02,116.00
B. Development charges	Rs. 4,64,400.00
C. Initial Consumption Deposit	Rs. 76,000.00
Total Amount	Rs. 14,49,516.00

SD/-

DIRECTOR COMMERCIAL





CENTRAL POWER DISTRIBUTION COMPANY OF A.P LIMITED

From,
THE CHIEF GENERAL MANAGER
COMMERCIAL
CORPORATE OFFICE
APCPDCL
HYDERABAD

To,
M/S VISTA HOMES
SYNO 193 TO 195
NAGARJUNA NAGAR
CHERLAPALLY
KUSHSAGUDA CHERLAPALLY

LR NO.CGM(COMM)/SE(C)/DE(C)/ADE-I/D.NO.4648/13-14, DATE 28.02.2014

Sub:- Estimate for extension of supply to 74 Nos 3-Ph each 5KW Domestic loads and 1No 3-Ph 20KW Domestic load over and above the existing 1No 5KW (SC.No 221203258) Non-Domestic load to M/s Vista Homes at Sy No 193, 194 & 195, N.N.Colony, Cherlapally Section of Sainikpuri Sub-Division of Sainikpuri Division in Ranga Reddy East Circle under capital works-approval issued.

Ref No: C.O.O.(COMM)/MS.NO.174/13-14, DATE:28.02.2014
Estimate Number: E-2013-14-03-11-04-170

The permission accorded is subjected to the following conditions:

- The work should be executed by a Licensed Contractor as per the standards of APCPDCL under supervision of THE ASSISTANT DIVISIONAL ENGINEER OPERATION SAINIKPURI SUB DIVISION
- The material used in the work should conform to APCPDCL specifications.
- If unforeseen calamities/ accidents occur during the execution of work, the APCPDCL authorities are not held responsible for such incident and consequential losses or damages. It is the responsibility of the consumer for any loss of material utilised in completing the work till all the services contemplated in the proposal are released.
- Major materials like AB Switches, HG Fuse sets, Conductor, Structure steel and other materials should be purchased as per APCPDCL specifications along with test certificate from APCPDCL vendor. The bills/voucher of materials purchased along with test certificate should be produced to concerned CSC/ICSC before execution of work.
- The work will be executed as per the sketch enclosed. The work executed by consumer shall be taken over by the APCPDCL after statutory APCPDCL after statutory inspection of APCPDCL officials. The installation shall be deemed to the property of APCPDCL after such takeover.
- The consumer should provide sealing arrangement for control panel and metering equipment.
- The consumer shall clear off the dues of UDC/Bill stopped services if any existing in the premises or found at a later date and no court case pending. If any legal disputes arise electricity supply will be disconnected to the premises.
- There should not be any 11 KV /LT lines passing through from other source of supply in the proposed premises.
- Distribution Transformer will be provided by the APCPDCL by collecting the cost of DTR/Development charges whichever is higher.
- Obtaining CEIG/CEA approval for electrical installing. Obtaining NDC as per requirement of A.P Fire Services act 1999, Multi storied build regulations.
- No service connection shall be released for Multi storied buildings / Complexes greater than 10Mtrs in height unless occupancy certificate unless occupancy certificate from concerned authorities.
- You are requested to pay the following charges through a single DD in the Customer Service center / Integrated Customer Service center:

A. Incidental charges i.e.	Rs. 1,42,410.00
B. Development charges / cost of the DTR	Rs. 4,68,000.00
C. Security deposit charges	Rs. 78,000.00
D. Cost of Materials	Rs. 1,039.00
E. 6% of DTR cost	Rs. 27,864.00
Total Amount	Rs. 7,24,313.00
- You are requested to pay an Amount Rs. 7,24,313.00 in shape of Demand Draft in favour of APCPDCL Payable at HYDERABAD and handed over to In charge of C.S.Center/Integrated C.S.Center
- D.D must be received to concerned CSC within 60 days from D.D issue date.
- Payments must be received before 24-06-2014, If not received existing registration will be cancelled.
- Work must be completed before 22-09-2014, If not completed you have to forfeit the already paid amount.

SD/-

DIRECTOR COMMERCIAL





CENTRAL POWER DISTRIBUTION COMPANY OF AP LIMITED

E/S 74 No.5KW&1 no.20KW D/S Load to Vist

Extension of supply to 74 Nos. 3Ph. each 5KW & 1 No 20 KW Domestic loads over and above the existing 1 No. 5KW Non-Domestic load(2212 03258) to M/s. Vista Homes at Sy No. 193,194,195,N.N. Colony in Cherlapally section of Sainikpuri Sub-Division of Sainikpuri Division in R.R. East Circle

Division	: SE/O/RR East	Section	: AE CHERLAPALLY
Project Type	: SC-Extension of Supply (L1)	Cost Center	: 114311401
Estimate No.	: E-2013-14-03-11-04-170	Estimate Description	: E/S 74 No.5KW&1 no.20KW D/S Load to Vist
Network No.	: 520000127709	Estimate Created Date	: 04.12.2013
Reservation No.	: 8000716731	Plant	: 1060
User Status	: CGMZ NBGD	System Status	: CRTD AVAC
Estimate Approved date	:	Estimate Sanctioned By	:

Work to be executed by : CONSUMER

CSC Ren no	Appl. Name	HT Ca Sub C Load1	Ca Sub C Load2	Hi-Mon	Do Se Exst. Load
		1 1 Cat	2 cat		Re Co
		1	2		E. D.
LTM136270008	M/S VISTA HOMES	1 01 000	390,000.00 02 00	0.00	X 0.00

SL.No.	Proposals involves	Total in Rs.
1	10 - Detailed Estimate-I	1501085.438512
	Estimate Cost (Gross) :	1501085.44
	Less Credits :	0.00
	Estimate Cost (Net) :	1501085.44
	10% incidental Charges to be collected :	147409.613

Longer





SOUTHERN POWER DISTRIBUTION COMPANY OF T.S LIMITED

Office of
THE CHIEF GENERAL MANAGER
COMMERCIAL
CORPORATE OFFICE
TSSPDCL
HYDERABAD

SP.O.O(COMMERCIAL)MS.NO.05/2014-15, DATE:02.01.2015

Sub:- Estimate for extension of supply to 90Nos 3-Ph each 5KW domestic load under LT Cat-I, 1No 3-Ph 20KW Domestic load under LT Cat-I & 2Nos S-Ph each 2KW Non-Domestic load under LT Cat-II to over and above the existing 1No 20KW Non-Domestic load(Sc NO.090 4 23 03258) to M/s Vista Homes at Sy.No.193 194 & 195, N N Colony, Cherlapally Section of Sainikpuri Sub-division in Sainikpuri Division of Ranga Reddy East Circle under Capital Works. - Reg.

Ref : Estimate Number: E-2014-14-03-11-04-095

The above estimate is administratively approved and technically sanctioned and registered as 2755/2014-15, DATED:31.12.2014

The sanction accords is subject to the following conditions:

1. TSSPDCL after careful examination of the above proposal hereby accords approval for the scheme at a cost of 13,19,936.62
2. In exercise of the powers conferred under section 42.1 of the Electricity Act, 2003 Central Act. No.36 of 2003 it system in his area of supply and to supply electricity in accordance with the provisions contained in this act.
3. The sanction accorded in para-1 above is subject to instructions issued already on release of service and tariff as may be in force from time to time.
4. The expenditure is chargeable to TSSPDCL Capital Receipts and Expenditure - B, Expenditure-2 Transmission Lines (Including Sub Stations) Distribution System (Including Sub-Stations) capital works in progress Transmission plant (Extra High Voltage A/C. No.0204) Distribution System (High Voltage A/C. No.0204) Distribution System Medium Voltage (A/C. No.0206) Street Lighting.
5. The work will be executed by THE ASSISTANT DIVISIONAL ENGINEER OPERATION SAINIKPURI SUB-DIVISION and all necessary approvals and payments must be ensured before release of supply.
6. Consumer has to pay the following charges through a single DD in the Customer Service Center / Integrated Customer Service Center.

A. Serviceline charges	Rs. 5,85,161.00
B. Development charges	Rs. 5,68,800.00
C. Initial Consumption Deposit	Rs. 2,91,600.00
Total Amount	Rs. 14,45,561.00

SD/-

DIRECTOR COMMERCIAL


Divisional Engineer (Commercial)
TSSPDCL, Corporate Office,
Mint Compound, Hyderabad-500 063.





SOUTHERN POWER DISTRIBUTION COMPANY OF T.S LIMITED

FROM,
THE CHIEF GENERAL MANAGER
COMMERCIAL
CORPORATE OFFICE
TSSPDCL
HYDERABAD

TO,
M/S VISTA HOMES
SYNO: 193 TO 195
NAGARJUNA NAGAR COLONY
CHERLAPALLY
KUSHAIGUDA CHERLAPALLY

LR.NO.CGM(COMML)/SE(C)/DE(C)/ADE/HO.NO.2125/2014-15, DT.02.01.2015

Sub:- Estimate for extension of supply to 90Nos 3-Ph each 5KW domestic load under LT Cat-I, 1No 3-Ph 20KW Domestic load under LT Cat-I & 2Nos S-Ph each 2KW Non-Domestic load under LT Cat-II to over and above the existing 1No 20KW Non-Domestic load(Sc.NO 090 4 23 03258) to M/s Vista Homes at Sy.No 193,194 & 195, N N Colony, Cherlapally Section of Sainikpuri Sub-division in Sainikpuri Division of Ranga Reddy East Circle under Capital Works.-
Turnkey approval - Reg

Ref No: SP.O.O(COMMERCIAL)/MS NO 05/2014 15, DATE:02.01.2015
Estimate Number: E-2014 14 03 11-04 095.

This permission accorded is subjected to the following conditions

- The work should be executed by a Licensed Contractor as per the standards of TSSPDCL under supervision THE ASSISTANT DIVISIONAL ENGINEER OPERATION SAINIKPURI SUB-DIVISION
- The material used in the work should conform to TSSPDCL specifications
- If unforeseen calamities/ accidents occur during the execution of work, the TSSPDCL authorities are not held responsible for such incidents and consequential losses or damages. It is the responsibility of the consumer for any loss of material utilised in completing the work till all the services contemplated in the proposal are released
- Major materials like AB Switches, HG Fuse sets, Conductor, Structure steel and other materials should be purchased as per TSSPDCL specifications along with test certificate from TSSPDCL vendor. The bills/voucher of materials purchased along with test certificate should be produced to concerned CSC/ICSC before execution of work.
- The work will be executed as per the sketch enclosed. The work executed by consumer shall be taken over by the TSSPDCL after statutory TSSPDCL after statutory inspection of TSSPDCL officials. The installation shall be deemed to the property of TSSPDCL after such takeover.
- The consumer should provide sealing arrangement for control panel and meeting equipment.
- The consumer shall clear off the dues of UDC/Bill stopped services if any existing in the premises or found at a later date and no court cases pending. If any legal disputes arise electricity supply will be disconnected to the premises.
- There should not be any 11 KV /LT lines passing through from other source of supply in the proposed premises.
- Distribution Transformer will be provided by the TSSPDCL by collecting the cost of DTR/Development charges whichever is higher.
- Obtaining CEIG/CEA approval for electrical installing. Obtaining NOC as per requirement of A.P Fire Services act 1999, Multi storied building regulations.
- No service connection shall be released for Multi storied buildings / Complexes greater than 10Mtrs in height unless occupancy certificate from concerned authorities.
- You are requested to pay the following charges through a single DD in the Customer Service center / Integrated Customer Service center

A. Incidental charges i.e	Rs. 1,10,475.00
B. Development charges / cost of the DTR	Rs. 5,68,800.00
C. Security deposit charges	Rs. 2,91,500.00
D. Cost of Materials	Rs. 1,717.00
E. 6% of DTR cost	Rs. 34,044.00
Total Amount	Rs. 10,26,586.00

13. You are requested to pay an Amount Rs. 10,26,586.00 in shape of Demand Draft in favour of TSSPDCL Payable at HYDERABAD

and handed over to In charge of C.S Center/Integrated C.S.Center

14. D.D must be received to concerned CSC within 60 days from D.D issue date.
15. Payments must be received before 02-04-2015. If not received existing registration will be cancelled.
16. Work must be completed before 01-07-2015. If not completed you have to forfeit the already paid amount.

SD/-

DIRECTOR COMMERCIAL

(Signature)
Divisional Engineer (Commercial)
TSSPDCL, Corporate Office,
Mini Compound, Hyderabad-500 063.



Estimate Cost Calculation Sheet

WBS Element: E 2014-14-03-11-04-093 WBS Desc: E/S 90 No Skw 2No.2KW&T No 20 KW to Visit
 Work Executed by: CONSUMER
 Service Connection Estimate: NO
 Estimate Plant Cost: 13,19,935.62

CSC Registration Number	Applicant Name	FE / LT	Cat	Sub-Cat / Volt	Conn. load	Cat	Conn. load	Rt. Monthly	All Doc. Received	No of Shifts	Exst. load	Exst. Cat	Exst. S.D
LTM146270018	M/S VISTA HOMES	FE	01		470,000	02	4,000						0

SD Calculation:

CSC Registration Number	Cat	Conn. load	Tariff S.D	Tariff D.C	Cat	Conn. load	Tariff S.D	Tariff D.C	No. of Times S.D	No of Shifts	S.D Charges	Development Charges
LTM146270018	01	470,000	0200	1200	02	4,000	0800	1200	3		291,600	568,800
Total	00	0									291,600	568,800

DC Calculation:

New DTR/PTR Cost: 5,67,400.00
 Final DTR/PTR Cost: 5,67,400.00
 DC as per Load: 5,68,800.00
 Final Dev. Charges: 5,68,800.00

Materials to be issued by TGSPDCL:

Sl. No	Material	Material Description
1	CAH00178	GPRS Modem
2	MTE10018	1 Ph 5-30A Elec meter with PP box
3	MTE30026	LT TVR Meters (4 CT's 0.5S) ILMs protocol
4	MTE30028	3PH 0-40A W/C PP box with tri vector featr
5	MTE30030	LT TVR 100/5A PP BOX 4 CT's 0.5S I Cat C
6	DTC30009	3-Ph 315KVA DTR CRGO CSP
7	TLE10045	Sim Card

Materials issued from Stores as per the payments to be made by the Customer (including 6%):

Sl. No	Material	Material Description	Quantity	Unit Price	Total Price
1	HWR00002	11KV Metal parts(C&T)	6	77.90	467.40
2	NS10002	11KV Disc insulators(C&T)	6	192.00	1,152.00
	Total				1,619.40
	3% S&H Ch.	3% Storage & Handling Charges			48.58
	3% Contgs.	3% Contingencies			48.58
	6 Total				1,717.00

Incidental Charges Calculation :

Gross Cost of the Estimate: 13,19,935.62
 12.36% Service Tax on Services: 1,631.86
 Total (Gross cost + 12.36% ST): 13,04,254.76
 Incidental Charges: 1,30,425.80

Incidental charges: 1,30,425.80
 Development charges / Cost of the DTR: 5,68,800.00
 Security deposit charges: 2,91,600.00
 Cost of Materials: 1,717.00
 6% of DTR/PTR: 34,044.00
Total Amount: 10,26,586.00



Estimate Cost Calculation Sheet

WBS Element: F 2019-04-01-04-093 WBS Desc: L 5.90 No skw. 2No 2KW&1 No 20 KW to 91st
 Work Executed by: CONSUMER
 Service Connection Estimate: NO
 Estimate Plan Cost: 13,19,935.62

CSC Registration Number	Applicant Name	HT Cat	Sub Cat	Conn. load	Cat	Conn. load	R Monthly	All Doc. Received	No of Shifts	Ext. load	Ext. Cat	Ext. SD
LTM146270018	M/S VISTA HOMES	01	01	470,000	02	4,000						0

SD Calculation:

CSC Registration Number	Cat	Conn. load	Tariff S.D	Tariff D.C	Cat	Conn. load	Tariff S.D	Tariff D.C	No. of Times S.D	No of Shifts	S.D Charges	Development Charges
LTM146270018	01	470,000	0200	1200	02	4,000	0800	1200	1		291,600	568,800
Total	00	0									291,600	568,800

DC Calculation:

New DTR/PTR Cost: 5,67,400.00
 Final DTR/PTR Cost: 5,67,400.00
 DC as per Load: 5,68,800.00
 Final Dev. Charges: 5,68,800.00

Materials to be issued by TGSPDCL:

S. No	Material	Material Description
1	CAH00178	GPRS Modem
2	MTE10018	1 Ph 5-30A Electrometer with PP box
3	MTE30026	LT TVR Meters 4 CT's 0.5S IEC MS protocol
4	MTE30028	3Ph 10-40A WCT PP Box with Insect Proof
5	MTE30030	LT TVR 100/5A PP BOX 4 CT's 0.5S (Cat C)
6	DTC30009	3-Ph 315KVA DTR CRGO CSP
7	TLE10045	Sim Card

Materials issued from Stores as per the payments to be made by the Customer (including 6%):

Sl. No	Material	Material Description	Quantity	Unit Price	Total Price
1	HW00002	11KV Metal parts(C&T)	6	77.90	467.40
2	HS10002	11KV Disc Insulators(C&T)	6	192.00	1152.00
	Total				1,619.40
	3% S&H Ch.	3% Storage & Handling Charges			48.58
	3% Contigs.	3% Contingencies			48.58
	Sub Total				1,717.00

Incidental Charges Calculation :

Gross Cost of the Estimate: 13,19,936.62
 12.36% Service Tax on Services: 1,631.86
 Total(Gross cost + 12.36% ST): 13,05,254.76
 Incidental Charges: 1,30,425.00

Incidental charges: 1,30,425.00
 Development charges / Cost of the DTR: 5,68,800.00
 Security deposit charges: 2,91,600.00
 Cost of Materials: 1,717.00
 6% of DTR/PTR: 34,044.00
Total Amount: 10,26,586.00





SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

E/S 90 No.5kw,2No.2KW&1 No.20 KW to Vist

Estimate for extension of supply to 90 No- 3Ph, each 5KW, 1 No.20 KW Domestic loads & 2 No.s 1- Ph 2 KW non-domestic load to over and above the existing 1 No. 20 KW Non-Domestic load(0904 23 03258) to M/s. Vista Homes at Sy No.193,194,195 at N.N. Colony in Cherlapally section of Sainikpuri Sub-Division of Sainikpuri Division in R.R.East Circle- under capital works- reg.
Reg. No LTM146270018 dt.13.11.2014.

Division	: SE/O/RR East	Section	: AE CHERLAPALLY
Project Type	: SC-Extension of Supply (LT)	Cost Center	: 114311401
Estimate No.	: E-2014-14-03-11-04-095	Estimate Description	: E/S 90 No.5kw,2No.2KW&1 No.20 KW to Vist
Network No.	: 520000143989	Estimate Created Date	: 02.12.2014
Reservation No.	: 8000895558	Plant	: 1060
User Status	: CGMZ NBGD	System Status	: CRTD AVAC
Estimate Approved date	:	Estimate Sanctioned By	:

Work to be executed by : CONSUMER

CSC Ren no.	Appl. Name	HT/ LT	Cat. 1	Sub Cat. 1	C.L1	Cat. 2	Sub Cat. 2	C.L2	Bi-Mon.	Doc. Rec.	Ser. Con.	Exst. Load
LTM146270018	M/S VISTA HOMES	LT	01	000	475.00	02	00	4.00				0.00

SL.No.	Proposals involves	Total in Rs.
1	10 - Detailed Estimate	1319936.623712
	Estimate Cost (Gross) :	1319936.62
	Less Credits :	0.00
	Estimate Cost (Net) :	1319936.62
	10% Incidental Charges to be collected :	130425.476





SOUTHERN POWER DISTRIBUTION COMPANY OF T.S LIMITED

Office of the
Chief General Manager,
Operation, Ranga Reddy Zone.

Memo No.CGM/Operation/RR Zone/Hyd/DE(T)/ADE -I/D.No. 4910 /16-17, Dt:6 .02.2017

Sub: Eley - RR Zone - Estimate for extension of supply to 84 No's 3-Ph 5KW Domestic load and 1 No. 3-Ph 20KW Domestic load over and above the existing 1 No. 3-Ph 21KW Non-Domestic load and thus making a total load 461KW to M/s Vista Homes at Plot No 193, 194 & 195, N.N.Colony, Kushaiguda, Cherlapally in Cherlapally section of Sainikpuri sub-division in Sainikpuri Division of RR East Circle - under capital works - Sanctioned.

Ref: 1. Lr.No. SE/OP/RR East/Comm1/D.No. 909/16-17, Dt: 02.02.2017,
2. Lr.No. DEE/OP/SKP/AET/F.No. SE Capital(LT)/D.No. 2361/16-17, Dt: 20.01.2017

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1. The Chief General Manager/ Operation/ Ranga Reddy Zone/ TSSPDCL/ Hyderabad administratively approves the proposal of Superintending Engineer/Operation/Ranga Reddy East Circle vide reference 1st cited above, for extension of supply to 84No's 3-Ph 5KW Domestic load and 1No. 3-Ph 20KW Domestic load over and above the existing 1No. 3-Ph 21KW Non-Domestic load and thus making a total load 461KW to M/s Vista Homes at Plot.No 193, 194 & 195, N.N.Colony, Kushaiguda, Cherlapally in Cherlapally section of Samikpuri sub-division in Samikpuri Division of RR East Circle - under capital works and sanction for an gross amount of Rs.15,86,230/- (Rupees Fifteen Lakhs Eighty Six Thousand Two Hundred and Thirty only) towards expenditure as per the detailed estimate enclosed.

The estimate No is SAP E-2016-14-03-11-04-143. The estimate is technically sanctioned and registered as

CGM/Op/RR Zone/ C.R.No. 32 /2016-17. (Capital) /Ranga Reddy East Circle.

2. The salient features of the scheme are as follows:

- a. Erection of 1 Nos. 3-Ph 315 KVA DTR.
- b. Stringing of 55sqmm line 3 conductor for a distance of 0.010 Km.
- c. Laying of UG Cable 11KV 3X185 Sqmm Conductor for a distance of 100 Mtrs.
- d. Laying of the Cable LT 3 ½ X185 Sqmm Conductor for a distance of 35 Mtrs
- e. Effecting of supply to 84No's 3-Ph 5KW Domestic load and 1No. 3-Ph 20KW Domestic load over and above the existing 1No. 3-Ph 21KW Non-Domestic load and thus making a total load 461KW.
3. The anticipated Annual Revenue at the rate basic rate works out to Rs -- /- yielding a revenue return of -- % on the capital cost of the scheme. Hence, the scheme is un-remunerative. An amount of Rs --/- per service per year as special AMG is to be collected for a period of five (5) years.
4. In exercise of the powers conferred by section 67 of the Electricity act, 2003, the Company shall have for the placing of any lines, poles, distribution of electricity or for the transmission of telegraphic or telephone communications necessary for the proper co-ordination of the work of the Company all the powers which the telegraphic authority possesses under part of the India Telegraph Act, 1885 (13 of 1885) with regard to Telegraph established or maintained. This will be without prejudice to the requirement of section 17 of I.E. Act 1910.
5. The expenditure is chargeable to: TSSPDCL-Capital receipts & expenditure- B.Expenditure-3Distribution system-High voltage-A/c No.14.5 &14.6 (11KV & 33KV).
6. The sanction accorded in Para 1 above is subject to instructions issued by the company on release of service and tariff as may be in force from time to time.
7. The work will be executed by Superintending Engineer /Operation/ RR East Circle.
8. Amounts to be collected from the consumers by SE /Op/ RR East Circle.

I.	Service Line Charges	Rs.8,24,609/-
II.	Development Charges	Rs.5,59,854/-
III.	Security Deposit	Rs.88,000/-

9. Against the lump sum provision made in the estimate, detailed working estimate should be got sanctioned by the competent authority.

10. The Superintending Engineer /Operation/Ranga Reddy East Circle is requested to release the supply after duly obtaining the Occupancy Certificate from the concerned authority.

11. The concerned officers are responsible for any wrong or excessive estimation.

Chief General Manager,
Operation, RR Zone, Hyderabad.

To: The Superintending Engineer / Operation/RR East Circle.
Copy to: The Divisional Engineer/Operation/Sainiukpuri.





SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

M/s Vista Homes at P.No:- 193, 194 & 195, N.N.Colony.

The Estimate is for Extension of supply to 84No's 3-Ph 5KW Domestic load and 1No. 3-Ph 20KW Domestic load over and above the existing 1No. 3-Ph 21KW Non-Domestic load and thus making a total load 461KW to M/s Vista Homes at P.No:- 193, 194 & 195, N.N.Colony, Kushaiguda, Cherlapally in operation section Cherlapally of Sainikpuri Sub-division in Sainikpuri Division of RR East Circle. Estimate under capital works. I.C.S.C. Registration No. LTM166270038/29.12.2016

Division	: SE/O/RR East	Section	: AE CHERLAPALLY
Project Type	: SC-Extension of Supply (LT)	Cost Center	: 114311401
Estimate No.	: E-2016-14-03-11-04-143	Estimate Description	: M/s Vista Homes at P.No:- 193 194 & 195
Network No.	: 520000180588	Estimate Created Date	: 04.01.2017
Reservation No.	: 8001230147	Plant	: 1060
User Status	: SE NBDG	System Status	: CRTD AVAC
Estimate Approved date	:	Estimate Sanctioned By	:

Work to be executed by : CONSUMER

CSC Ren no	Appl. Name	HT/ LT	Cat 1	Sub Cat 1	C.L1	Cat 2	Sub cat.2	C.L2	Bi-Mon.	Doc Rec.	Ser. Con.	Exst. Load
LTM166270038	M/S VISTA HOMES	LT	01	000	440.00	02	00	0.00		X		0.00

Estimate Cost (Gross) :		1586226
Less Credits :		0
Estimate Cost (Net) :		1586226
10% Incidental Charges to be collected :		155719.8
SL.No.	Proposals involves	Total in Rs.
1	10 - DTR Side Materials List	936018.5
2	30 - Metering Side Materials List	650207.

[Signature]
 Chief General Manager
 Operation Range
 TSPDCL, Mint Compound, 1979.



Estimate Cost Calculation Sheet

WBS Element : E-2016-14-03-11-04-143 WBS Desc : M/s Vista Homes at P.No: 193, 194 & 195
 Work Executed by : CONSUMER
 Service Connection Estimate : NO
 Estimate Plan Cost : 15,86,226.13

CSC Registration Number	Applicant Name	HT / LT	Cat.	Sub-cat / Volt.	Con. load	Cat.	Con. load	Bl. Mont h/y	All Doc. Received	No of Shifts	Exst. load	Exst. Cat	Exst. SD
LTM166270038	M/S VISTA HOMES	LT	01		440,000	02			X				0

SD Calculation:

CSC Registration Number	Cat.	Con. load	Tariff S.D	Tariff D.C	Cat.	Con. load	Tariff S.D	Tariff D.C	No. of Times S.D	No of Shifts	S.D Charges	Development Charges
LTM166270038	01	440,000	0200	1200	02				1		88,000	528,000
Total	00	0									88,000	528,000

DC Calculation:

New DTR Cost : 5,59,853.85
 Final DTR Cost : 5,59,854.00
 DC as per Load : 5,28,000.00
 Final Dev. Charges : 5,59,854.00

Materials to be issued by TSSPDCL:

Sl. No.	Material	Material Description
1	CAH00178	GPRS Modem
2	DTC30009	3-PH 315KVA DTR CRGO CSP
3	MTE30026	LT TVR Meters (4 CTs 0.5S) DLM5 protocol
4	MTE30030	LT TVR 100/5A PP BOX 4 CTs 0.5S (Cat-C)
5	MTE30038	3ph 10-40A Electronic IRDA port in PPBox
6	TLE10045	Sim Card

Materials issued from Stores as per the payments to be made by the Customer (including 6%):

Sl. No	Material	Material Description	Quantity	Unit Price	Total Price
1	JNS10009	11KV Polymer Pin Insulators with G pins	3	184.58	553.74
2	CDR00003	AAA conductor 55 Sq. mm	30	23.37	701.10
	Total				1,254.84
	3% S&H Ch.	3% Storage & Handling Charges			37.65
	3% Contgs.	3% Contingencies			37.65
	G.Total				1,330.04

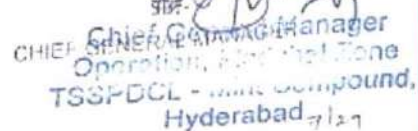
Incidental Charges Calculation:

Gross Cost of the Estimate : 15,86,226.13
 15% Service Tax on Services : 29,027.87
 Total (Gross cost + 15% ST) : 15,57,198.26
 Incidental Charges : 1,55,720.00

Incidental charges : 1,55,720.00
 Development charges / Cost of the DTR : 5,59,854.00
 Security deposit charges : 88,000.00
 Cost of Materials : 1,330.00
 6% of DTR/PTR : 33,591.00
 Application Fee : 0.00
 PT & Cost : 0.00
Total Amount : 8,38,495.00



(Signature)
 Operation, Rangareddy Zone,
 TSSPDCL, Mittam Compound, Hyd.





SOUTHERN POWER DISTRIBUTION COMPANY OF T.S. LIMITED

Office of
THE CHIEF GENERAL MANAGER
OPERATION
MEDCHAL ZONE
TSSPDCL
HYDERABAD

MEMO NO. CGM/OP/MEDCHAL ZONE/HYD/DE(TECH)/AE(CYD) NO. 1267/18-19, DT: 25.09.2018.

Subj: Estimate for Extension of supply to 115 No's 3-Ph 5KW Domestic loads (115*5=575KW) and 40 No's S-Ph 2KW Domestic loads (40*2=80KW) and 2 No's 3-Ph 20KW CT operated energy meters Domestic loads (2*20=40KW) and thus making a total load 695KW to M/s Vista Homes at H.No. 1-10-2/193 to 195, Nagarjuna Nagar Colony, Kusaiguda, Cherlapally in operation section Cherlapally IDA-II of Cherlapally Sub-division, in Sainikpuri Division of Habsiguda Circle under capital works - Sanctioned - Reg

Ref: Estimate Number: E-2018-14-03-13-02-032

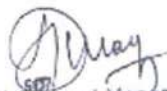
The above estimate is administratively approved and technically sanctioned and registered as CGM/OP/MEDCHAL ZONE/CAPITAL / C.R.NO. 78/2018-19, DT: 25.09.18

The sanction accords is subject to the following conditions:

1. TSSPDCL after careful examination of the above proposal hereby accords approval for the scheme at a cost of 25,35,829.53
2. In exercise of the powers conferred under section 42.1 of the Electricity Act, 2003 Central Act. No.36 of 2003 in system in his area of supply and to supply electricity in accordance with the provisions contained in this act.
3. The sanction accorded in para-1 above is subject to instructions issued already on release of service and tariff as may be in force from time to time.
4. The expenditure is chargeable to TSSPDCL-Capital Receipts and Expenditure- B, Expenditure-2 Transmission Lines (Including Sub-Stations) 3 Distribution System (Including Sub-Stations) capital works in progress Transmission plant (Extra High Voltage A/C. No.0204) Distribution System (High Voltage A/C. No.0204) Distribution System Medium Voltage (A/C. No.0206) Street Lighting.
5. The work will be executed by THE ASSISTANT DIVISIONAL ENGINEER OPERATION CHERLAPALLY SUB-DIVISION and all necessary approvals and payments must be ensured before release of supply.
6. Consumer has to pay the following charges through a single DD in the Customer Service Center / Integrated Customer Service Center.

A. Serveline charges	Rs.	15,02,982.00
B. Development charges	Rs.	8,34,000.00
C. Initial Consumption Deposit	Rs.	1,39,000.00
D. Application Fee	Rs.	0.00
CGST on Application Fee	Rs.	0.00
SGST on Application Fee	Rs.	0.00
E. PTR Cost	Rs.	0.00

Total Amount Rs. 24,75,982.00


Chief General Manager
CHIEF GENERAL MANAGER ZONE
TSSPDCL - Habsiguda Compound,
Hyderabad 501209



WBS Element
Work Executed by
Service Connection Estimate
Estimate Plan Cost

E-2018-14-03-13-02-032
CONSUMER
NO
25,85,829.53

Estimate Cost Calculation Sheet

WBS Desc: M/s Vista Homes at H No. 1-10-2/103 to

CSC Registration Number	Applicant Name	HT / LT	Cat.	Sub-cat / Volt.	Con. load	Cat.	Con. load	BT Mont hly	All Doc. Receiv ed	No of Shifts	Ext. load	Ext. Cat	Ext. SD
11MTR06-00022	M/S VISTA HOMES	11	01		695,000	02			X				0

SD Calculation:

CSC Registration Number	Cat	Con. load	Tariff S.D	Tariff D.C	Cat	Con. load	Tariff S.D	Tariff D.C	No. of Times S.D	No of Shifts	S.D.Charges	Development Charges
11MTR06-00022	01	695,000	0200	1200	02				1		139,000	834,000
Total	00	0									139,000	834,000

DC Calculation:

New DTR Cost 8,09,267.60
Final DTR Cost 8,09,268.00
DC as per Load 8,34,000.00
Final Dev. Charges 8,34,000.00

Materials to be issued by TSSPDCL:

Sl. No	Material	Material Description
1	CAH00178	GPRS Modem
2	MTE10021	1ph 5-30A Electronic IRDA port in PPBox
3	MTE30026	11 TVR Meters (4 CTs) 0.5S-DLMS protocol
4	MTE30038	1ph 10-40A Electronic IRDA port in PPBox
5	MTE30040	11 TVR 100/5A PP 0.5S (CAT-Q) OLM-XIRDA
6	DTC10124	3-PH 500 KVA DTR with BIS EE Level 2
7	TLE10045	Sim Card

Materials issued from Stores as per the payments to be made by the Customer (including 6%):

Sl. No	Material	Material Description	Quantity	Unit Price	Total Price
1	INS10002	11KV Metal part(C&T)	6	84.30	505.80
2	INS10009	11KV Polymer Pin Insulators with GI post	3	179.36	538.08
3	INS10001	11KV Polymer Insulators (C&T)	6	138.15	828.90
4	CDH00005	AAA conductor 55 Sq mm	80	22.58	1,806.40
	Total				3,127.58
	4% S&H Ch.	4% Storage & Handling Charges			105.81
	3% Contgs	3% Contingencies			1,739.00
	G.Total				952
	9% CGST-S&H Ch.	9% CGST on Storage & Handling Charges			952
	9% SGST-S&H Ch.	9% SGST on Storage & Handling Charges			

Incidental Charges Calculation :

Gross Cost of the Estimate 25,85,829.53
18% GST on Services 74,850.22
12% GST on Road Cutting charges 600
Total (Gross cost - GST charges) 25,10,979.31
Incidental Charges 2,51,097.93
9% CGST Incidental charges 22,599.00
9% SGST Incidental charges 22,599.00
Incidental charges 2,96,296.00
Development charges / Cost of the DTR 8,34,000.00
Security deposit charges 1,39,000.00





SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

M/s Vista Homes at H.No:- 1-10-2/193 to 195, Nagarjuna Nagar Colony, Kushaiguda, Cherlapally.
The Estimate is for Extension of supply to 115No's 3-Ph 5KW Domestic loads (115*5=575KW) and 40No's S-Ph 2KW
Domestic loads (40*2=80KW) and 2No's 3-Ph 20KW CT operated energy meters Domestic loads (2*20=40KW) and
thus making a total load 695KW to M/s Vista Homes at H.No:- 1-10-2/193 to 195, Nagarjuna Nagar Colony,
Kushaiguda, Cherlapally in operation section Cherlapally IDA-II of Cherlapally Sub-division in Sainikpuri Division of
Habsiguda Circle. Estimate under capital works.
ICSC Registration No: LTM186640022/03.08.2018

Division	: SE/O/RR East	Section	: AE OP Cherlapally II
Project Type	: SC-Extension of Supply (LT)	Cost Center	: 114313201
Estimate No.	: E-2018-14-03-13-02-032	Estimate Description	: M/s Vista Homes at H.No:- 1-10-2/193 to
Network No.	: 520000212305	Estimate Created Date	: 22.08.2018
Reservation No.	: 8001511072	Plant	: 1060
User Status	: SE NBGD	System Status	: CRTD AVAC
Estimate Approved date	:	Estimate Sanctioned By	:

Work to be executed by : CONSUMER

CSC Ren no.	Appl. Name	HT/ LT	Cat. 1	Sub. Cat. 1	C.L1	Cat. 2	Sub. cat. 2	C.L2	Bi-Mon.	Doc Rec.	Ser. Con	Exst. Load
LTM186640022	M/S VISTA HOMES	LT	01	000	695.00	02	00	0.00		X		0.00

Estimate Cost (Gross) :	2585829.53
Less Credits :	0.00
Estimate Cost (Net) :	2585829.53
10% Incidental Charges to be collected :	251097.931
Proposals involves	Total in Rs. 2585829.534
SL.No.	
1	10 - Materials List


Chief General Manager
Operation, Medchal Zone
TSSPDCL - Mint Compound,
Hyderabad 1029





SOUTHERN POWER DISTRIBUTION COMPANY OF T.S LIMITED

From,
THE SUPERINTENDING ENGINEER
OPERATION
HABSIGUDA CIRCLE
TSSPDCL
HABSIGUDA

To,
M/S VISTA HOMES
SYNO 193&194
BLOCK E, VISTA HOMES
N N COLONY KAPRA
KUSHAIGUDA

LR.NO SE/OP/HBG/COMML/DR.NO.279/20-21 D.NO.2658/20-21 DT.20.11.2020.

Sub:- Extension of supply to 15Nos.3-Ph each 5KW Domestic loads making a total load of 75KW to M/s.Vista Homes at Sy.No.193&194,Block-E,Nagarjuna Nagar Colony, Kusaiguda, Cherlapally in Cherlapally IDA-II Section of Cherlapally Sub-division in Sainikpuri Division of Habsiguda Circle under Capital Works-Payment Intimation for Turnkey-Reg.

Ref-Lr.No.DEE/OP/SKP/AET/F.No./D.No.2320/20-21,DL13.11.2020.

No: SANCTION MEMPO NO.SE/OP/HBG/COMML/DR.NO.279/20-21 D.NO.2657/20-21 DT.20.11.2020.

Estimate Number: E-2020-14-03-13-02-037

The permission accorded is subjected to the following conditions:

- The work should be executed by a Licensed Contractor as per the standards of TSSPDCL under supervision THE ASSISTANT DIVISIONAL ENGINEER OPERATION CHERLAPALLY SUB-DIVISION
- The material used in the work should conform to TSSPDCL specifications.
- If unforeseen calamities/ accidents occur during the execution of work, the TSSPDCL authorities are not held responsible for such incidents and consequential losses or damages. It is the responsibility of the consumer for any loss of material utilised in completing the work till all the services contemplated in the proposal are released.
- Major materials like AB Switches, HG Fuse sets, Conductor, Structure steel and other materials should be purchased as per TSSPDCL specifications along with test certificate from TSSPDCL vendor. The bills/voucher of materials purchased along with test certificate should be produced to concerned CSC/ICSC before execution of work.
- The work will be executed as per the sketch enclosed. The work executed by consumer shall be taken over by the TSSPDCL after statutory TSSPDCL after statutory inspection of TSSPDCL officials. The installation shall be deemed to the property of TSSPDCL after such takeover.
- The consumer should provide sealing arrangement for control panel and metering equipment.
- The consumer shall clear off the dues of UDC/Bill stopped services if any existing in the premises or found at a later date and no court cases pending. If any legal disputes arise electricity supply will be disconnected to the premises.
- There should not be any 11 KV /LT lines passing through from other source of supply in the proposed premises.
- Distribution Transformer will be provided by the TSSPDCL by collecting the cost of DTR/Development charges whichever is higher.
- Obtaining CEIG/CEA approval for electrical installing. Obtaining NOC as per requirement of A.P Fire Services act 1999, Multi-storied building regulations.
- No service connection shall be released for Multi-storied buildings / Complexes greater than 10Mtrs in height unless occupancy certificate from concerned authorities.
- You are requested to pay the following charges through a single DD in the Customer Service center / Integrated Customer Service center

A. Incidental Charges	12,152.00	CGST	1,094.00	SGST	1,094.00
B. Development Charges	99,000.00	CGST	8,100.00	SGST	8,100.00
C. Security Deposit	15,000.00				
D. Material Cost	133.00				
Material Storage and Handling	4.00	CGST	0.00	SGST	0.00
Material Contingencies	4.00	CGST	0.00	SGST	0.00
E. DTR Cost	0.00				
DTR Storage and Handling	0.00	CGST	0.00	SGST	0.00
DTR Contingency	0.00	CGST	0.00	SGST	0.00
F. Application fee	0.00	CGST	0.00	SGST	0.00
G. PTR Cost	0.00				

H. SLC

Rs.

Total Amount

Rs.

1,35,681.00

13. You are requested to pay an Amount Rs. 1,35,681.00

in shape of Demand Draft in favour of

TSSPDCL

Payable at HYDERABAD

and handed over to in charge of C.S.Center/Integrated C.S.Center.

14. D.D must be received to concerned CSC within 60 days from D.D issue date.

15. Payments must be received before 19-02-2021. If not received existing registration will be cancelled.

16. Work must be completed before 20-05-2021. If not completed you have to forfeit the already paid amount.

// Forwarded By Order //

SD/-

THE SUPERINTENDING ENGINEER

Asst. Divisional Engineer (Cr)
Habsguda Circle TSSPDCL





SOUTHERN POWER DISTRIBUTION COMPANY OF T.S. LIMITED

Office of
THE SUPERINTENDING ENGINEER
OPERATION
HABSIGUDA CIRCLE
TSSPDCL
HABSIGUDA

SANCTION MEMPO NO. SE/OP/HBG/COMML/DR. NO. 279/20-21 D. NO. 2657/20-21 DT. 20.11.2020.

Sub:- Extension of supply to 15Nos.3-Ph each 5KW Domestic loads making a total load of 75KW to M/s.Vista Homes at Sy.No.193&194,Block-E,Nagarjuna Nagar Colony, Kushalguda, Cherlapally in Cherlapally IDA-II Section of Cherlapally Sub-division in Sainikpuri Division of Habsguda Circle under Capital Works-Sanction-Reg.

Ref:-Lr.No.DEE/OP/SKP/AET/F.No./D.No.2320/20-21, Dt.13.11.2020.

Ref : Estimate Number: E-2020-14-03-13-02-037

The above estimate is administratively approved and technically sanctioned and registered as DR.NO.279/20-21.

The sanction accords is subject to the following conditions:

1. TSSPDCL after careful examination of the above proposal hereby accords approval for the scheme at a cost of 1,25,151.12
2. In exercise of the powers conferred under section 42.1 of the Electricity Act,2003 Central Act. No.36 of 2003 It system in his area of supply and to supply electricity in accordance with the provisions contained in this act.
3. The sanction accorded in para-1 above is subject to instructions issued already on release of service and tariff as may be in force from time to time.
4. The expenditure is chargeable to TSSPDCL-Capital Receipts and Expenditure- B, Expenditure-2 Transmission Lines (Including Sub-Stations) 3 Distribution System (Including Sub-Stations) capital works in progress Transmission plant (Extra High Voltage A/C. No.0204) Distribution System (High Voltage A/C. No.0204) Distribution System Medium Voltage (A/C. No.0206) Street Lighting.
5. The work will be executed by THE ASSISTANT DIVISIONAL ENGINEER OPERATION CHERLAPALLY SUB-DIVISION and all necessary approvals and payments must be ensured before release of supply.
6. Consumer has to pay the following charges through a single DD in the Customer Service Center / Integrated Customer Service Center.

A. Serviceline charges	Rs.	92,761.00
B. Development charges / DTR Cost	Rs.	90,000.00
CGST on Development Charges	Rs.	8,100.00
SGST on Development Charges	Rs.	8,100.00
C. Initial Consumption Deposit	Rs.	15,000.00
D. Application Fee	Rs.	0.00
CGST on Application Fee	Rs.	0.00
SGST on Application Fee	Rs.	0.00
E PTR Cost	Rs.	0.00

- Total Amount Rs. 2,13,961.00

// Forwarded By Order //

Asst. Divisional Engineer (Comm)
Habsguda Circle, TSSPDCL

SD/-

THE SUPERINTENDING ENGINEER



Estimate Cost Calculation Sheet

WBS Element : E-2020-14-03-13-02-037 WBS Desc. : M/s Vista Homes at Sy.No - 193 <(> & <) > 194
 Work Executed by : CONSUMER
 Service Connection Estimate : NO
 Estimate Plan Cost : 1,25,161.12

CSC Registration Number	Applicant Name	HT / LT	Cat.	Sub-cat. / Volt.	Con. load	Cat.	Con. load	Bl. Mont. nly	All Dev. Receiv. ed	No of Shifts	Exst. load	Exst. Cat	Exst. SD
LTM206640021	M/S VISTA HOMES	LT	01		75,000	02			X				0

SD Calculation:

CSC Registration Number	Cat.	Con. load	Tariff S.D	Tariff D.C	Cat.	Con. load	Tariff S.D	Tariff D.C	No. of Times S.D	No of Shifts	S.D Charges	Development Charges
LTM206640021	01	75,000	0200	1200	02				1		15,000	90,000
Total	00	0									15,000	90,000

DC Calculation / DTR:

DC as per Load (incl GST) : 1,06,200.00
 Final Dev. Charges : 1,06,200.00

Materials to be issued by TSSPDCL:

Sl. No.	Material	Material Description	Quantity
1	MTEJ0038	3ph 10-40A Electronic IRDA port in PPBox	15

SLC (Refundable Deposit) / Materials Issued from Stores as per the payments to be made by the Customer (including 6%):

Sl. No	Material	Material Description	Quantity	Unit Price	Total Price
1	SCB1 D039	ALLUMINIUM LUGS 70 SQ MM	12	11.05	132.60
	Total				132.60
	3% S&H Ch.	3% Storage & Handling Charges			3.98
	3% Contgs.	3% Contingencies			3.98
	CG Total				141.00
	9% CGST-S&H Ch.	9% CGST on Storage & Handling Charges			0.36
	9% SGST-S&H Ch.	9% SGST on Storage & Handling Charges			0.36
	9% CGST-Cont.	9% CGST on Contingencies			0.36
	9% SGST-S&H Ch.	9% SGST on Contingencies			0.36

Incidental Charges Calculation:

Gross Cost of the Estimate : 1,25,161.12
 GST on Services : 3,694.10
 12% GST on Road Cutting Charges : 0.00
 Total (Gross cost + GST charges) : 1,29,151.02
 Incidental Charges : 12,151.70
 CGST Incidental charges : 1,094.00
 SGST Incidental charges : 1,094.00

SLC

SLC Cost (Excl GST) :
 Incidental charges (Incl. GST) : 14,340.00
 Development charges : 90,000.00
 CGST on Development Charges: 8100.00
 SGST on Development : 8100.00
 Application Fee : 0.00
 PTR : 0.00
 Security deposit charges : 15,000.00
 DTR Cost : 0.00



Estimate Cost Calculation Sheet

WBS Element	:		WBS Desc. :	M/s Vista Homes at Sy.No: 193 c(>B<)>194
Work Executed by	:	CONSUMER		
Service Connection Estimate	:	NO		
Estimate Plan Cost	:	1,25,161.12		
DTR Storage and handling	:	0.00		
CGST	:	0.00		
SGST	:	0.00		
DTR Contingency	:	0.00		
CGST	:	0.00		
SGST	:	0.00		
Materials cost	:	133.00		
Materials Storage and Handling	:	4.00		
CGST	:	0.00		
SGST	:	0.00		
Material Contingencies	:	4.00		
CGST	:	0.00		
SGST	:	0.00		
SLC(Bay Extension incl. 18% GST)	:	0.00		
Total Amount	:	1,35,681.00		

// Forwarded By Order //

Asst. Divisional Engineer (Consumer)
Habsiguda Circle, TSSPDCL

Sd/-
SE/OP/Habsiguda Circle





SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

M/s Vista Homes at Sy.No:- 193&194,Block-E, Nagarjuna Nagar Colony, Kusahaiguda, Cherlapally. ICSC Registration No: LTM206640021/28.09.2020

Extension of supply to 15Nos.3-Ph each 5KW Domestic loads making a total load of 75KW to M/s.Vista Homes at Sy.No.193&194,Block-E,Nagarjuna Nagar Colony, Kusahaiguda, Cherlapally in Cherlapally IDA-II Section of Cherlapally Sub-division in Sainikpuri Division of Habsiguda Circle under Capital Works.

Justification: The M/s.Vista Homes previously applied for 115 Nos.3-Ph 5Kw Domestic loads(115*5=575Kw), 40Nos.S-Ph 2KW Domestic loads (40*2=80KW) and 2Nos.3-Ph 20KW CT operated energy meters Domestic loads (2*20=40KW) and thus making a total load 695KW vide Registration no: LTM186640022 and same was sanctioned by CGM Medchal Zone Vide : MEMO. NO. CGM/OP/MEDCHAL ZONE/HYD/DE(TECH)/AE(C)/D.NO.1267/18-19,DT.25.09.2018. But Consumer does not want 40 No's S-Ph 2KW Domestic loads (40*2=80KW) instead of that he wants 15 No's 3-Ph 5Kw Domestic loads(15*5=75Kw) because consumer changed the plan previously from Single Bed Room Flat's to Double Bed Room Flat's. so the consumer returned unused 40 No's S-Phase meter's to AE/op/Cherlapally-2 office.Hence Consumer as applied for LTM with Reg no:LTM206640021 for another 15 No's 3-Ph 5Kw Domestic loads(15*5=75Kw Load). As the work order of previously sanctioned Estimate is closed,the estimate for 15 No's 3-Ph 5Kw Domestic loads(15*5=75Kw) is prepared under capital works instead of revision of estimate. The proposed loads will be tapped on to Existing dedicated 500 KVA Vista Homes DTR(1511099474) pertaining to consumer is quite adequate to cater existing loads along with proposed loads and Tapped on to 11 KV Vasavi Shiva Nagar Feeder . Hence New DTR is not provided in the Estimate.

Division	: SE/O/RR East	Section	: AE OP Cherlapally II
Project Type	: SC-Extension of Supply (LT)	Cost Center	: 114313201
Estimate No.	: E-2020-14-03-13-02-037	Estimate Description	: M/s Vista Homes at Sy.No:- 193(>&<)194
Network No.	: 520000261211	Estimate Created Date	: 01.10.2020
Reservation No.	: 8001874178	Plant	: 1060
User Status	: APRD NBGD	System Status	: CRTD AVAC
Estimate Approved date	: 21.11.2020	Estimate Sanctioned By	: HBG_SE

Work to be executed by : CONSUMER

CSC Ren no.	Appl. Name	HT/ LT	Cat. 1	Sub. Cat.1	C.L1	Cat. 2	Sub. cat.2	C.L2	Bi-Mon.	Doc. Rec.	Ser. Con.	Exst. Load
LTM206640021	M/S VISTA HOMES	LT	01	000	75.00	02	00	0.00		X		0.00

Estimate Cost (Gross) :		125161.1
Less Credits :		0.0
Estimate Cost (Net) :		125161.1
10% Incidental Charges to be collected :		12151.70
SL.No.	Proposals involves	Total in Rs.
1	10 - MATERIAL LIST	125161.1

Sd/-
SE/OP/Habsiguda Circle

// Forwarded By Order //

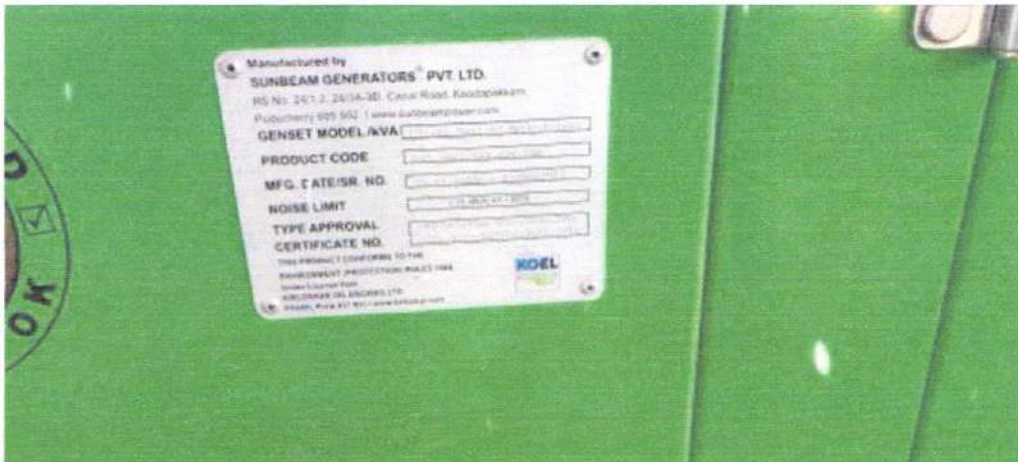
Asst. Divisional Engineer (Control)
Habsiguda Circle, TSSPDCL



D.G. SET Backup

The complete common facility requirements like, Lifts for all blocks, Common area lightings, water pumps, Rain water pumps etc., are feeding from 2nos. of 82.5 KVA D.G. Sets with change over system as a power backup in case of Power failure.

DG Set installation pictures.



FIRE FIGHTING SYSTEM

As per Pre Provisional NOC Certificate issued by **GHMC FIRE PREVENTION WING** letter dated RC.NO: 689 / AD / FPW / GHMC/2012 dated 17-07-2012, the required fire fighting system has been provided for Amenities Block, Fire Sprinkler System for complete common basement as per fire protection system safety requirement.

Based on fire fighting system work completion, Fire department authorities inspected & issued the NOC for occupancy, letter dated: RC.NO:1113/AD/FPW/GHMC/2016/ dated 28-01-2016
Copies attached.



File No.FPD/FNOC/EDN/OCP/0291/2016/SFO(EZ)

GREATER HYDERABAD MUNICIPAL CORPORATION

FIRE PREVENTION WING

From:

The Commissioner,
Greater Hyderabad Municipal
Corporation, Head Office,
Tank Bund Road, Hyderabad.

To:

Sri Soham Modi,
M/s. Vista Homes, (Amenities Block),
Plot Nos: 193, 194 & 195, Kapra (V),
Keesara (M), R.R. District.

RC.No: 1113/AD/FPW/GHMC/2016 Dated: 28.11.2016.

Sir,

Sub: Greater Hyderabad Municipal Corporation- Fire Prevention Wing- Existing Non - Multi
Storied Building of M/s. Vista Homes, (Amenities Block), (Occupied & Underuse),
Situating at Plot Nos: 193, 194 & 195, Kapra (V), Keesara (M), R.R. District -
Issuance of **FIRE NO OBJECTION CERTIFICATE** - Regarding.

- Ref: 1. Proceeding Rc. No: 5041/B2/97, Dated:12-03-2010 of the Director General of State
Disaster Response and Fire Services Department, Andhra Pradesh, Hyderabad
2. Provisional Fire NOC issued vide RC.No.689/AD/FPW/GHMC/2012 Dated:
17.07.2012 by the Commissioner, GHMC, Hyderabad.
3. Application Dated: 22.11.2016 of Sri Soham Modi C/o. M/s. Vista Homes,
(Amenities Block), Kapra (V), Keesara (M), R.R. District.

Under the powers delegated vide reference 1st cited, the District Fire Officer along with the
Station Fire Officer, East Zone have inspected the existing Non - Multi Storied building of M/s.
Vista Homes, (Amenities Block), Situating at Plot Nos: 193, 194 & 195, Kapra (V), Keesara (M),
R.R. District on **23.11.2016** and submitted the inspection report.

2) The Builder has constructed the Non- Multi Storied building (Amenities Block) with Ground
+ Four Floors with a height of 14.95 Mtrs for **Mixed Occupancy (Educational + Assembly)**. The
Builder has requested to issue **FIRE NO OBJECTION CERTIFICATE** and submitted the
application along with Checklist and asbuilt Plans.

3) PARTICULARS OF THE BUILDING:

a)	Address of the Premises	M/S. VISTA HOMES, (AMENITIES BLOCK), PLOT NOS: 193, 194 & 195, KAPRA (V), KEESARA (M), R.R. DISTRICT.
b)	Total Built Up Area/Height	896.60 Sq.Mtrs/ 14.95 Mtrs
c)	No of blocks/ floors	One/ Ground + Four Floors
d)	Type of occupancy	Mixed Occupancy (Educational + Assembly)

::1::



4) FLOOR WISE DETAILS:

Sl. No.	Floor	Area in Sq. Mtrs	Occupancy	Occupant Load as per Area
1.	GROUND FLOOR	179.32	Assembly (Banquet Hall)	120
2.	FIRST FLOOR	179.32	Mercantile (Sales Office)	30
3.	SECOND FLOOR	179.32	Assembly (Recreation & Cafeteria)	120
4.	THIRD FLOOR	179.32	Educational (Library & Creche)	45
5.	FOURTH FLOOR	179.32	Vacant	--
	Total	896.60		

5) The Management provided the following open Spaces all around building:

Directions	Open space to be provided as per the G.O. Ms. No. 168, Dated : 07-04-2012 MAUD(M) Department, Section -7.1 in Table -III	Open spaces provided by the builder (Mtrs)	Deficit (Mtrs)
FRONT	03.00 Mtrs.	06.00	Nil
SIDE - I	02.00 Mtrs.	07.00	Nil
SIDE - II	02.00 Mtrs.	06.00	Nil
REAR	02.00 Mtrs.	10.00	Nil

6) Means of Escape required and provided by the Management:

Sl. No.	Means of Escape	Required as per NBC 2005 & Travel Distance		Proposed		Deficit (Mtrs)
		No.	Width (Mtrs)	No.	Width (Mtrs)	
01	Internal Staircase	01	02.00	01	1 x 01.25 = 01.25	0.75
	Total		02.00	01	01.25	0.75

7) The Minimum Fire Safety Installations required & proposed by the Builder as per the Table 23 including Part-4 of N.B.C of India 2005.

Sl. No.	Fire Safety Measures	Required	Provided	Deficit
1.	Fire Extinguishers as per IS:2190	Required	Proposed	Nil
2.	Hose Reel	Required	01 No. in each floor	Nil
3.	Down Comer	Required	01 No.	Nil
4.	Landing Valve with Hose Box and Delivery hose	Required	01 No. in each floor	Nil
5.	Manually Operated Electric Fire Alarm System	Required	01 No. in each floor	Nil
6.	Terrace Water Tank of 10,000 Ltrs	Required	30,000 ltrs	Nil
7.	Booster Pump of 900 LPM	Required	Provided	Nil
8.	Two Way Fire Brigade Inlet	Required	Provided	Nil

::2::



8) The building is provided with required Fire Safety Measures, **FIRE NO OBJECTION CERTIFICATE** for above building is issued subject to compliance of building permit with following conditions.

- 1 The NOC issued is confined to the Fire Safety measures installed in the building and does not confer any Legal right for claiming of Ownership of property or Conversion of land use/ Occupancy or Building Regularization. The Owner /Occupier shall comply the Building Rules / Govt. Orders as applicable.
- 2 Evacuation plan showing exit routes and recommended action plan be displayed at conspicuous Locations shall be exhibited at all times, all escape/exit routes shall not be blocked or encroached.
- 3 Fresh NOC would be required for any change in occupancy as per NBC and building bye/laws.
- 4 The management has to maintain Fire Safety Measures at all times in good working Condition.
- 5 The Builder shall provide Wet Riser with One Electrical and Diesel Pump each of 2280 LPM and Jockey Pump of 180 LPM near the Underground Static Water Storage tank of 50,000 Ltrs capacity if the vacant 4th floor is used for Assembly Occupancy.
- 6 Any Loss of life or property due to Non-functioning of Fire Safety Measures and other installations shall be the responsibility of the management/owner.
- 7 All the Occupants must know the correct method of operation of the Fire Fighting System installed.
- 8 All occupants/security personnel shall be trained to operate the Fire Safety Equipment during the Emergency
- 9 Additional/Alteration, if any, in the building may be verified by building authority.
- 10 The Fire Drills Shall be conducted once in every Six months for initial two years, thereafter, once in every 3 months.
- 11 This **FIRE NO OBJECTION CERTIFICATE** for Existing Building is valid for (05) Years year from the date of issue.
12. **This Order will be without any prejudice to take action against the Unauthorized Construction if any made.**

COMMISSIONER
GHMC, HYDERABAD

Copy to:

1. Sri Soham Modi C/o. M/s. Vista Homes, (Amenities Block), Kapra (V), Keesara (M), R.R. District.
2. The Chief City Planner, GHMC, Hyderabad.

Signature valid

Digitally signed by B. JEE
PRASANNA KUMAR
Date: 2016.12.07 12:15:23 IST
Reason: Approved

::3::



GREATER HYDERABAD MUNICIPAL CORPORATION**FIRE PREVENTION WING****PROVISIONAL FIRE NO OBJECTION CERTIFICATE**

From:

The Commissioner,
Greater Hyderabad Municipal
Corporation, Head Office,
Tank Bund, Hyderabad.

To:

JSH Soham Modi,
Vista Homes (Amenities Block),
Sy. No. 193, 194 & 195, Kapra (V), Keesara (M),
R.R. District.

Rc.No:689/AD/FPW/GHMC/2012, Dated: 17 - 07 - 2012

Sir,

Sub: Greater Hyderabad Municipal Corporation - Non-Multi Storied Buildings - Proposed Construction of Multi Storied Building of Vista Homes (Amenities Block), Situated at Sy. No: 193, 194 & 195, Kapra (V), Keesara (M), R.R. District - Issuance of **PROVISIONAL FIRE NO OBJECTION CERTIFICATE** - Regarding.

- Ref: 1. Govt. Memo.No: 22242/Prisons-A/A2/2009, Home prison - (A), Department, Dated:09-03-2010.
2. Letter Rc.No: 5041/B2/97 of Director General, A.P Disaster Response & Fire Services Department, Dated: 12-03-2010.
3. Application Dated:21-06-2012 of Sri Soham Modi C/o. Vista Homes (Amenities Block), Kapra (V), Keesara (M), R.R. District.

*** ***

Under the powers delegated vide reference 2nd cited the inspection committee has inspected the proposed site for Construction of Non- Multi Storied building of Vista Homes (Amenities Block), Situated at Sy. No: 193, 194 & 195, Kapra (V), Keesara (M), R.R. District on 17-07-2012 and submitted the following report.

2) The Management Proposes to Construct Multi Storied building with Ground + Four Floors with a height of 14.90 Mtrs each and built up area of 896.60 Sq. Mtrs as per the plan [Mixed Occupancy]. Now the management has submitted application for the issuance of **PROVISIONAL NO OBJECTION CERTIFICATE**.

3) a) PARTICULARS OF THE BUILDING:-

a)	Address of the building	VISTA HOMES (AMENITIES BLOCK), SY. NO: 193, 194 & 195, KAPRA (V), KEESARA (M), R.R. DISTRICT.
b)	Built up area/height of the building	896.60 Sq. Mtrs/14.90 Mtrs
c)	No of blocks / floors	One/ Ground + Four Floors
d)	Type of occupancy	Mixed Occupancy [Educational + Commercial]

b) PROPOSED FLOOR WISE DETAILS:

Sl. No.	Floor	Area in Sq. Meters.	Occupancy (Educational/ Hostel/Dormitory occupancy)	Proposed Occupant Load as given the management
1.	GROUND FLOOR	179.32	Educational	Proposed - 50
2.	FIRST FLOOR	179.32	Mercantile	Proposed - 20
3.	SECOND FLOOR	179.32	Mercantile	Proposed - 50
4.	THIRD FLOOR	179.32	Mercantile	Proposed - 20
5.	FOURTH FLOOR	179.32	Mercantile	Proposed - 30
	TOTAL	896.60		

4) The builder has proposed to provide One Internal staircase with a width of 01.50 Mtrs. The OSRT Images of the Proposed site taken on 17-07-2012.

5) PROPOSED OPEN SPACES ALL ROUND BUILDING:-

	Open space to be provided as per the G.O. Ms. No. 168, Dated : 07-04-2012 MAUD(M) Department, Section -7.1 in Table -III	Open spaces proposed by the builder.	Deficit
FRONT SIDE	03.00 Mtrs	03.00 Mtrs	Nil (Internal Abutting Road)
SIDE-1	02.00 Mtrs	02.00 Mtrs	Nil
SIDE-2	02.00 Mtrs	02.00 Mtrs	Nil
REAR SIDE	02.00 Mtrs	02.00 Mtrs	Nil



6) The following fire fighting systems Proposed by the builder as per Table 23 of Part-4 N.B.C. of India 2005.

1	Fire Extinguishers as per IS 2190	
	a) Fire buckets 9 liters Capacity with water & Dry Sand	(Propose to Provide) 04 Nos.
	b) ABC Type Fire Extinguisher 05 Kg Capacity	(Propose to Provide) 02 Nos. in each Floor
	c) Co2 Type of 4.5 Kg Capacity	(Propose to Provide) 02 Nos.
	NOTE:-	
	(1) Fire Extinguishers should be placed as near as possible to exits of stair lands without hindering the escape routes.	
	(2) Wall mounted fire extinguishers should be placed on the supporting wall or in wooden, metal or plastic cabinets in such a way that their bottom is 1000 MM above ground level.	
2	Hose Reel in each floor.	(Propose to Provide) in each Floor
3	Down Comer	(Propose to Provide) in each Floor
4	Landing Valve+ Hose Box+ (02) Nos. of Delivery Hose	(Propose to Provide)) in each Floor
5	One terrace tank of 10,000 liters capacity.	(Propose to Provide)- 10,000 Ltrs
6	One Under Ground Sump	(Propose to Provide)- 50,000 Ltrs
7	One Booster pump of 900 LPM capacity.	(Propose to Provide) at Terrace Level
8	Two Way Fire Brigade Inlet	(Propose to Provide) at Ground Level)
9	MOEAS with Hooters	(Propose to Provide) in each Floor
10	Smoke Detectors	(Propose to Provide)
11	Sprinklers in Ground & First Floor	(Propose to Provide)
12	Openable Windows	(Propose to Provide)

7) The Provisional Fire No Objection Certificate is issued subject to the following conditions:

1	All fire safety measures as advised above should be provided without fail.
2	No temporary structure such as tents or without thatched construction shall be allowed for educational institutions.
3	Every room with a capacity of 45 Nos. shall have at least two doorways.
4	Occupant load per floors should not exceed 200 Nos.

8) The management may be informed the following Rules and Regulations:-

A	As per clause 13.1 of part-II of the National Building Code of India "neither granting of the permit nor the approval of the drawings and specifications, nor inspections made by the Authority during erection of the building shall in any way relieve the owner of such building from full responsibility for carrying out the work in accordance with the requirements of the National Building Code of India".
B	As per Clause 9.3 of part II of the National Building Code of India "the Licensed Architect/Engineer/Structural Engineer/Supervisor/Town Planner shall be responsible for supervision of the construction and for the completion certificates. In the event of violation of the provisions of the code he shall be liable to penalties as prescribed by the Authority including cancellation of the License."

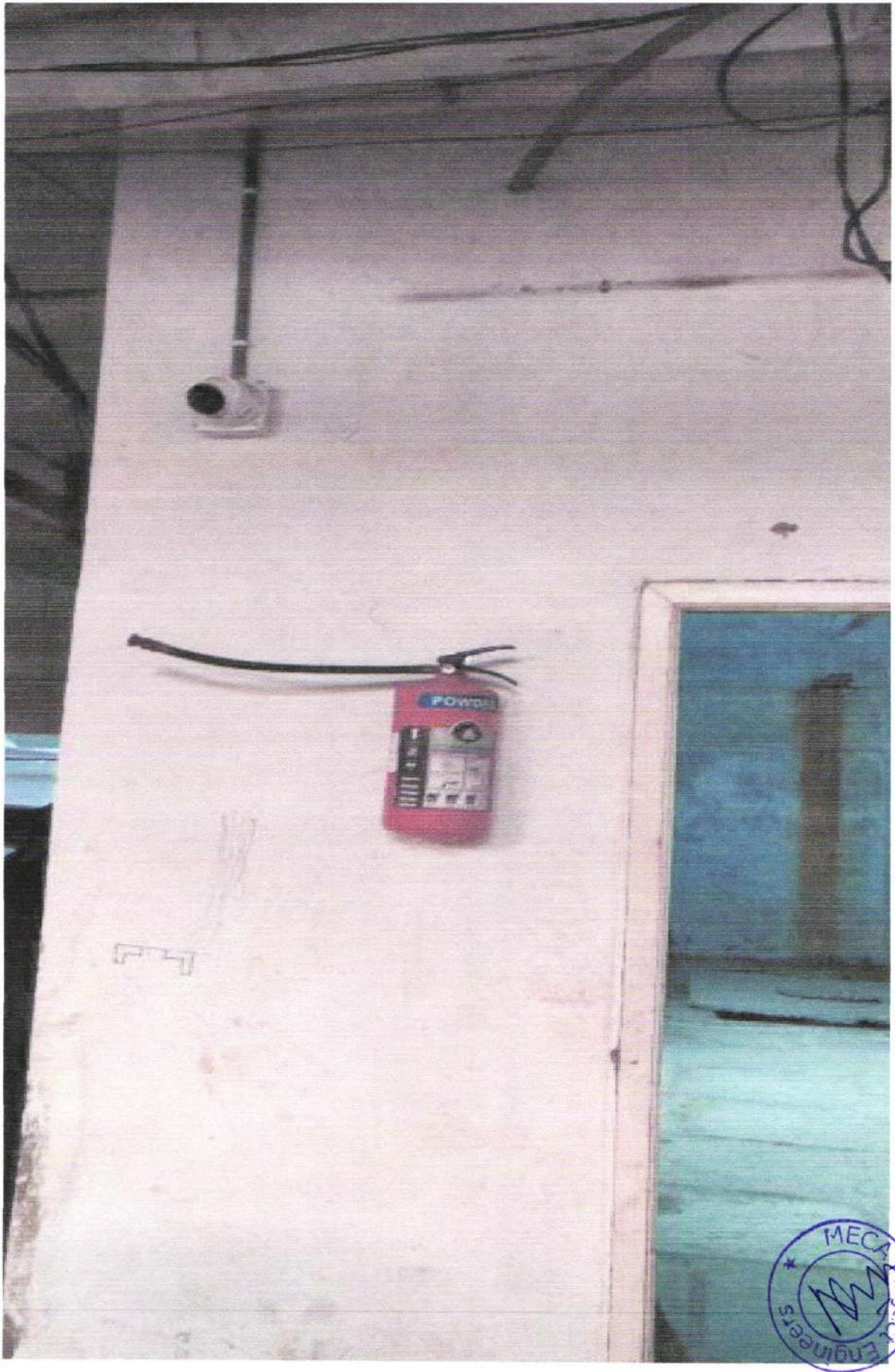
9) In View of the above, **PROVISIONAL FIRE NO OBJECTION CERTIFICATE** from fire Safety point of view may be issued subject to the following Conditions.

1.	The NOC issued is confined to the Fire Safety measures to be installed in the building and does not confer any Legal right for claiming of Ownership of property or Conversion of land use / Occupancy or Building Regularization. The Owner / Occupier shall comply the Building Rules / Govt.Orders as applicable.
2.	Evacuation plan showing exit routes and recommended action plan be displayed at conspicuous locations and shall be exhibited at all times, all escape/exit routes shall not be locked or encroached.
3.	Fresh NOC would be required for any change in occupancy or addition/alterations in the building structure as per NBC and building bye/laws.
4.	The Management is advised to provide Sprinklers in Ground & First Floor.
5.	The management has to provide and maintain Fire Safety Measures as per the approved plan and as per table 23 of part 4 NBC of India at all times in good working Condition.
6.	Any Loss of life or property due to Non - functioning of Fire Safety Measures and other installations shall be the responsibility of the management/owner.
7.	All the Occupants must know the correct method of operation of the Fire Fighting System installed.
8.	All Occupants/ security personnel shall be trained to operate the Fire Safety Equipment during the Emergency.



Note 02: Fire fighting system Installation pictures.

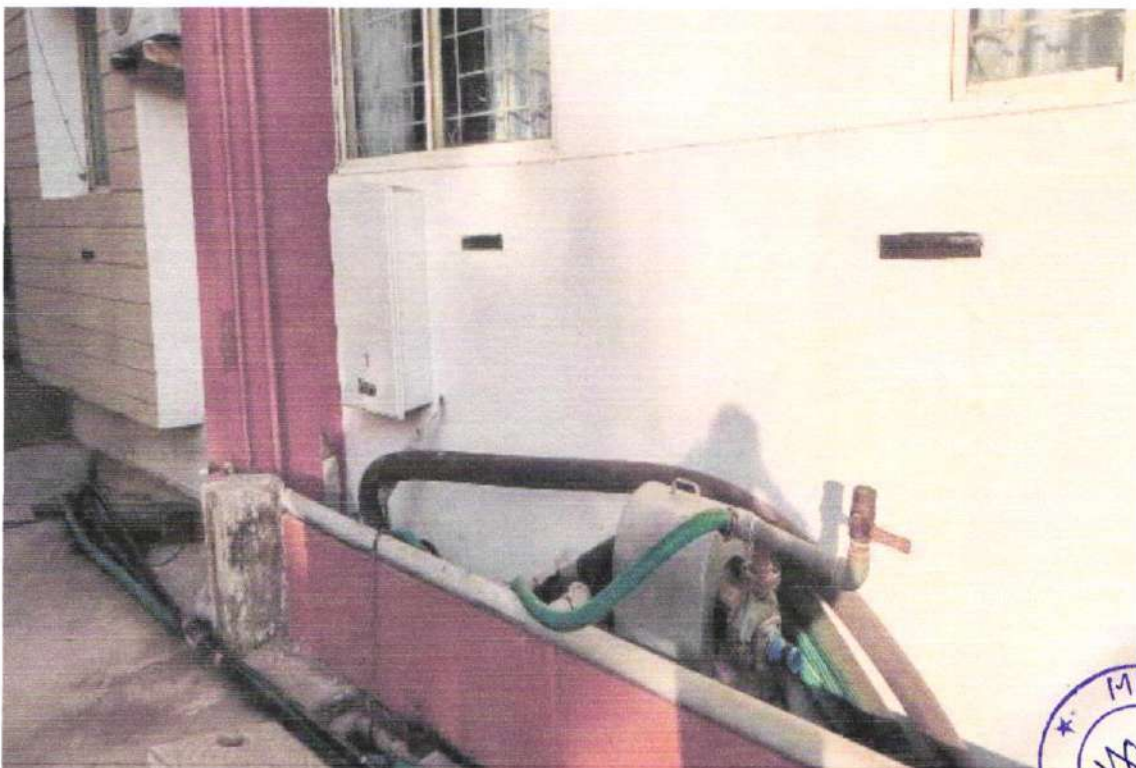
FIRE EXTINGUISHERS NEAR ELECTRICAL ROOM (TYPICAL)



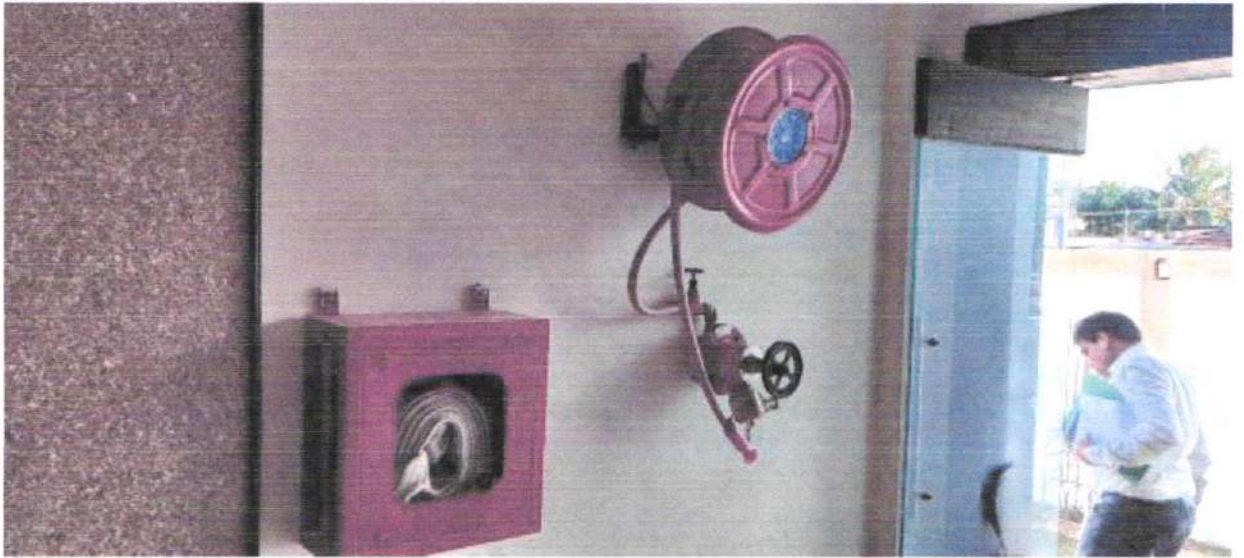
SPRINKLER SYSTEM INSTALLED AT BASEMENT



FIRE WATER UNDER GROUND SUMP



FIRE HOSE REEL BOX AT AMENITIES BLOCK (TYPICAL)



FIRE FIGHTING DRY RISER SYSTEM AS PER FIRE AUTHORITIES REQUIREMENT



TERRACE FIRE WATER TANK-FIRE BOOSTER PUMP WITH ACCESSORIES



CELLAR FLOOR SPRINKLER SYSTEM INSTALLED



PLUMBING SYSTEM

WATER SUPPLY

The total water required for Domestic usage is considered from Municipal & 6nos. Bore wells, As per **Annexure -03** attached, the total water requirement for all 9 blocks With Amenities Block shall be 2,00,000 Ltrs per day considering 135 ltrs per person per day as per Plumbing standards.

U.G. Sumps provided for storage at below Ground level. (Photos attached)

1. GENERAL WATER SUMP - 50,000 Ltrs.
2. MANJEERA WATER SUMP - 25,000 Ltrs.
3. TREATMENT WATER SUMP - 50,000 Ltrs.
4. FIRE SAFETY WATER SUMP - 25,000 Ltrs.

5. With 6Nos. Bore wells also considered as water Sumps.

All Septic Tanks Capacity is 400 Cum (sewage collection tanks) at site.

The over flow of sewage is pumped to nearest Drainage Manhole (NALA) with the help of 2nos. Sludge Pumps. (1 working + 1 stand by)

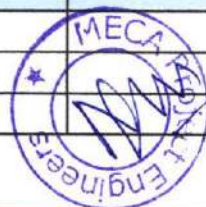
OVER HEAD TANK CAPACITY AT SITE

- | | | |
|-----------------------|---|--------------|
| • OVER HEAD TANK - 01 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 02 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 03 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 04 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 05 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 06 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 07 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 08 | - | 30,000 Ltrs. |
| • OVER HEAD TANK - 09 | - | 25,000 Ltrs. |



PROPOSED RESIDENTIAL BUILDING FOR MODI PROPERTIES

Sl	Description of Calculations							
	WATER REQUIREMENT / CALCULATIONS							
			NO.OF FLAT					
	BLOCK A							
	DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED		
	total of Number of 1BHK flats		0	2	0			
	total of Number of 2BHK flats		10	3	30			
	total of Number of 3BHK flats		19	4	76			
	total number of person				106			
	Qty of water required for person / day					135		ltrs
	Total water required for per 1 Day						14310	ltrs
	SAY						14000	ltrs
	TOTAL NUMBER OF FLAT IN BLOCK A		29					
			NO.OF FLAT					
	BLOCK B							
	DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED		
	total of Number of 1BHK flats		0	2	0			
	total of Number of 2BHK flats		25	3	75			
	total of Number of 3BHK flats		20	4	80			
	total number of person				155			
	Qty of water required for person / day					135		ltrs
	Total water required for per 1 Day						20925	ltrs
	SAY						20000	ltrs
	TOTAL NUMBER OF FLAT IN BLOCK B		45					
	BLOCK C							
	DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED		
	total of Number of 1BHK flats		4	2	8			
	total of Number of 2BHK flats		15	3	45			
	total of Number of 3BHK flats		20	4	80			
	total number of person				133			
	Qty of water required for person / day					135		ltrs
	Total water required for per 1 Day						17955	ltrs
	SAY						18000	ltrs
	TOTAL NUMBER OF FLAT IN BLOCK C		39					



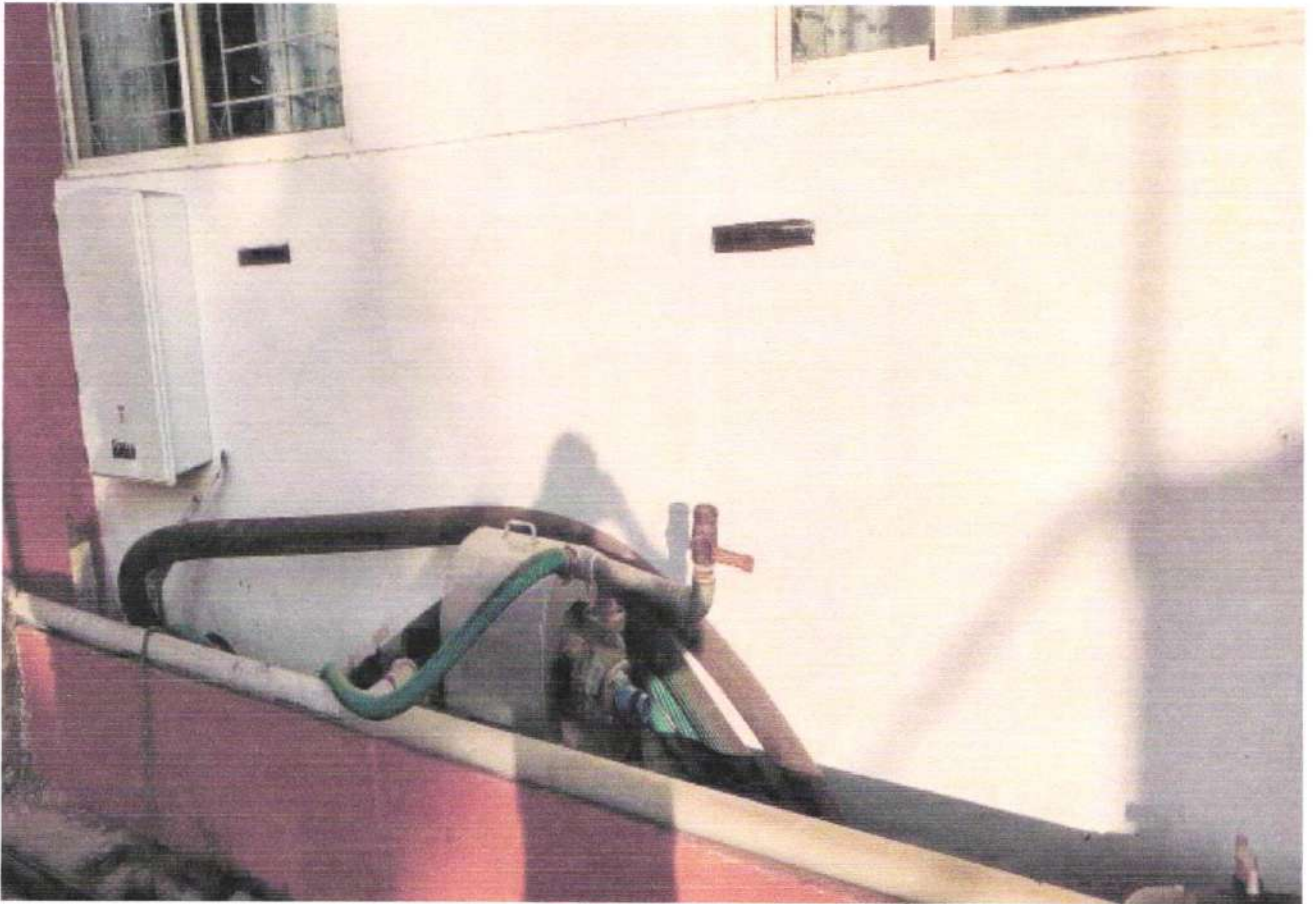
BLOCK D							
DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED		
total of Number of 1BHK flats		0	2	0			
total of Number of 2BHK flats		5	3	15			
total of Number of 3BHK flats		20	4	80			
total number of person				95			
Qty of water required for person / day					135		ltrs
Total water required for per 1 Day						12825	ltrs
SAY						13000	ltrs
TOTAL NUMBER OF FLAT IN BLOCK D		25					
BLOCK E							
DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED		
total of Number of 1BHK flats		36	2	72			
total of Number of 2BHK flats		25	3	75			
total of Number of 3BHK flats		20	4	80			
total number of person				227			
Qty of water required for person / day					135		ltrs
Total water required for per 1 Day						30645	ltrs
SAY						30000	ltrs
TOTAL NUMBER OF FLAT IN BLOCK E		81					
BLOCK F							
DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED		
total of Number of 1BHK flats		0	2	0			
total of Number of 2BHK flats		25	3	75			
total of Number of 3BHK flats		20	4	80			
total number of person				155			
Qty of water required for person / day					135		ltrs
Total water required for per 1 Day						20925	ltrs
SAY						20000	ltrs
TOTAL NUMBER OF FLAT IN BLOCK F		45					
BLOCK G							
DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED		
total of Number of 1BHK flats		0	2	0			
total of Number of 2BHK flats		25	3	75			
total of Number of 3BHK flats		20	4	80			
total number of person				155			
Qty of water required for person / day					135		ltrs
Total water required for per 1 Day						20925	ltrs
SAY						20000	ltrs
TOTAL NUMBER OF FLAT IN BLOCK G		45					



	BLOCK H						
	DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED	
	total of Number of 1BHK flats	0	2	0			
	total of Number of 2BHK flats	25	3	75			
	total of Number of 3BHK flats	20	4	80			
	total number of person			155			
	Qty of water required for person / day				135		ltrs
	Total water required for per 1 Day					20925	ltrs
	SAY					20000	ltrs
	TOTAL NUMBER OF FLAT IN BLOCK H	45					
	BLOCK I						
	DESCRIPTION OF FLATS			NO.OF PEOPLE EACH FLAT	TOTAL PERSON IN FLATS	PER PERSON DAY WATER REQUIRED	
	total of Number of 1BHK flats	0	2	0			
	total of Number of 2BHK flats	25	3	75			
	total of Number of 3BHK flats	20	4	80			
	total number of person			155			
	Qty of water required for person / day				135		ltrs
	Total water required for per 1 Day					20925	ltrs
	SAY					20000	ltrs
	TOTAL NUMBER OF FLAT IN BLOCK I	45					
3	CLUB HOUSE						
	Number of people considered			150			
	Qty of water required for person / day				50		ltrs
	Total water required for CLUB HOUSE per day					7500	ltrs
	SAY					7500	ltrs
	Total water required per day [1 Day Capacity]					182500	ltrs
					Visitors	15000	
					Total water requirement	197500	
					SAY	200000	ltrs



UG SUMP PUMP LOCATION



UG SUMP LOCATION



OVER HEAD TANK AT CLUB HOUSE



SEWERAGE SYSTEM

The Project is constructed & completed based on phases,
The completed building block sewerage connections are given to Nearest Municipal Drain (it is connected to Nala located adjacent to the site).

During coarse of completion, all sewerage connections from all the blocks are connected thru SEPTIC TANK & over flow is pumping thru SLUDGE PUMPS to the Nearest Municipal Drain (NALA) with 1 working + 1 standby pumps with separate lines.

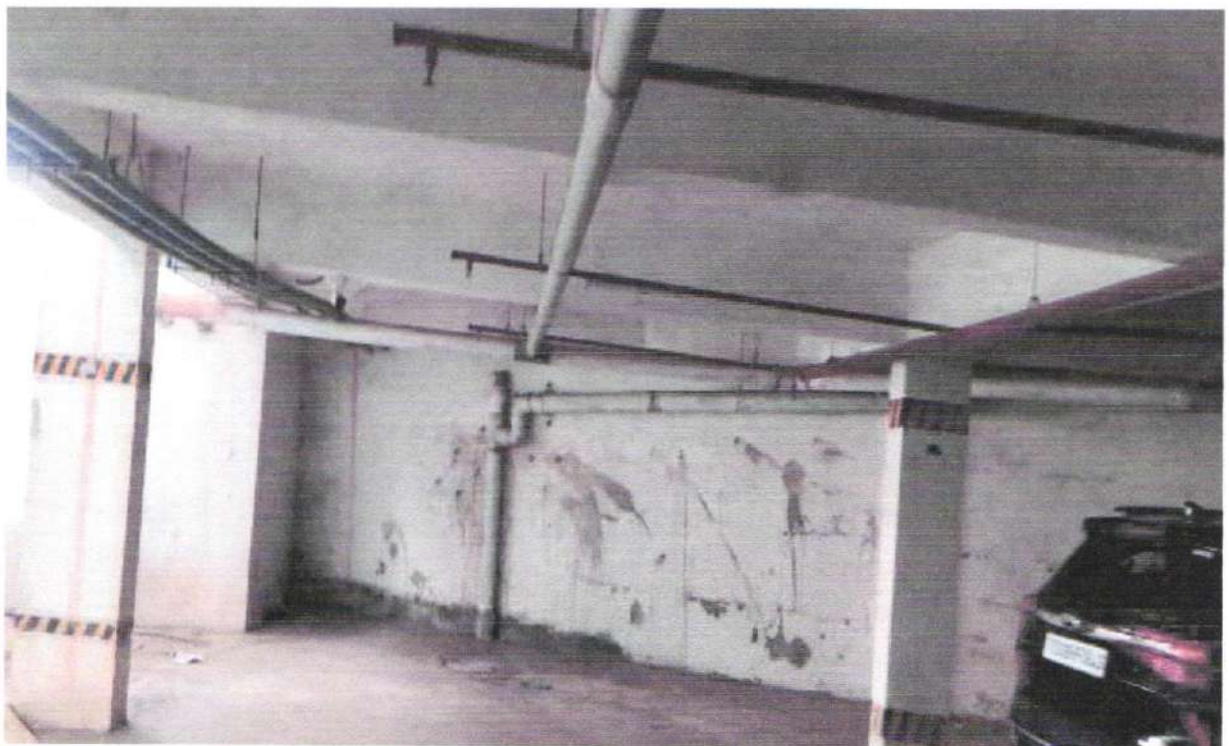
DRAINAGE SYSTEM PIPING



DRAINAGE SYSTEM FLOW CONNECTED TO MUNICIPAL LINE OUTSIDE THE BUILDING



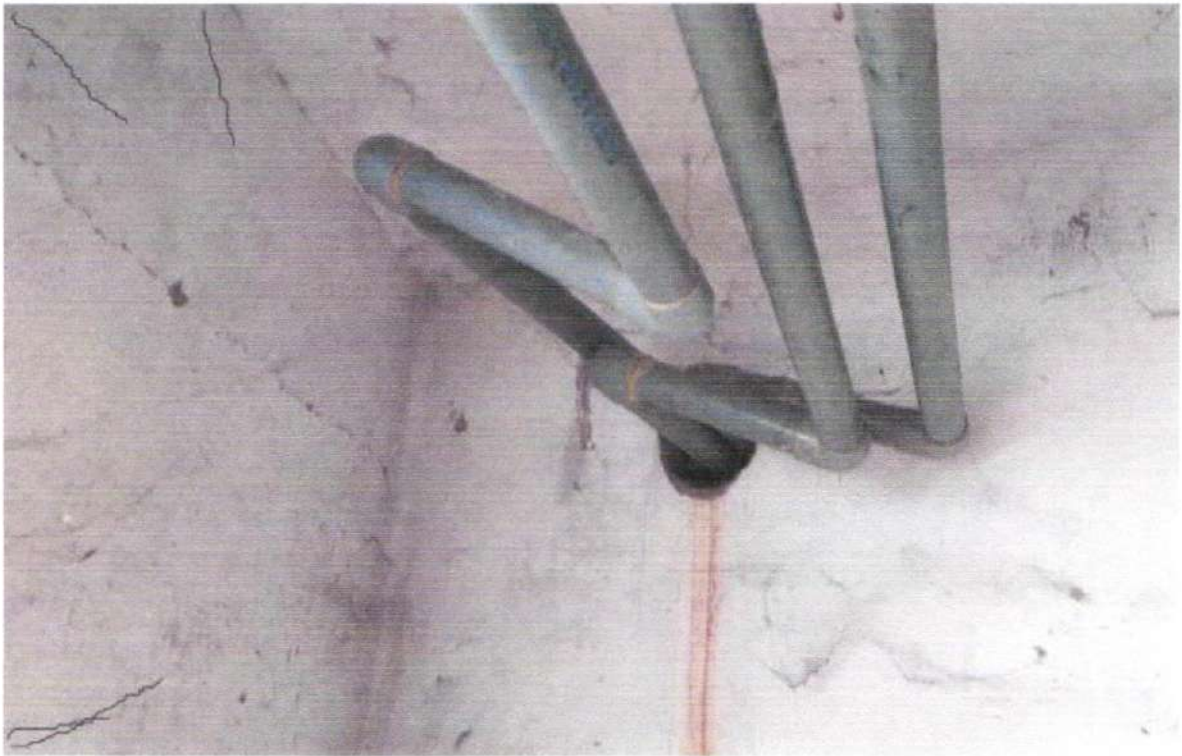
SEWERAGE SYSTEM CONNECTED TO SEPTIC TANK & OVER FLOW IS PUMPING OUTSIDE THE BUILDING



SEWAGE OVER FLOW PUMPING LINE CONNECTED MUNICIPAL DRAIN OUTSIDE



PUMPED / OVER FLOW OF SEWERAGE & RAIN WATER PIPES ARE CONNECTED OUT SIDE TO NALA



RAIN WATER HARVESTING SYSTEM

As per drawings & site visit, the roof top area rain water & the surface area water is connected to Rain water Harvesting pits.

Based on the rain fall considering the intensity is as per Hyderabad standard condition the intensity of rain fall considered is 0.07mm with run off co-efficient of 0.7 for surface area & 0.8 for roof top area.

For total Roof Top & Surface area the requirement shall be 25nos Recharge / Harvesting pits as per GHMC standards & the size of recharge pit shall be 2Mtrs wide X 3Mtrs Long & Depth shall be 3mtrs.

The total number of harvesting pits shall be 25Nos, & it is total 31 nos. is provided.



Note: Annexure -5 attached for rain water harvesting system.

ANNEXER - 04 [RAIN WATER CALCULATION]		
ROOF TOP AREA - RAIN WATER CALCULATION		
Roof Top Area [approx.]	7303	sq.m
Intensity of rainfall (average)	0.07	MM
Runoff Co-efficient	0.8	
The collected from the roof top area [Approx]	408.968	cum/Hr
FOR 15 MIN	102.2	
HOWEVER SINCE THE RAINFALL INTENSITY IS NOT CONSISTENT FOR ONE HOUR, WE INTEND TO PROPOSE HARVESTING FOR ABOUT 15 MINUTES WHICH WILL BE 102.24 CUMM. (SAY 102 Cum.)		
Total Rain water / storm water from Roof Top & Surface Area = 380 Cum [102 + 278]		
Rain water / storm water directly Rechrge to Ground through Recharge pits [21 TO 25 Nos.]		
[Recharge Pit Size 2.0Mtrs Dia , 3mtrs Deep]		
TOTAL NUMBERS OF RAIN WATER RECHARGE PITS PROVIDED @ SITE ARE 31NOS		

SURFACE AREA - RAIN WATER CALCULATION		
SURFACE Area [approx.]	22763	sq.m
Intensity of rainfall (average)	0.07	MM
Runoff Co-efficient	0.7	
The collected from the Surface area [Approx]	1115.387	cum/Hr
FOR 15 MIN	278.8	
HOWEVER SINCE THE RAINFALL INTENSITY IS NOT CONSISTENT FOR ONE HOUR, WE INTEND TO PROPOSE HARVESTING FOR ABOUT 15 MINUTES WHICH WILL BE 189.44CUMM. (SAY 190. Cum.)		



Note:

As per site survey, we found the following.

1. FLOW OF RAIN WATER INSIDE THE PIPES ARE BLOCKED.
2. RAIN WATER GUTTERS FOR RAMP ENTRY & EXIT AREAS NOT PROVIDED.
3. RAIN WATER MAN HOLES ARE FILLED WITH LOT OF DEBRIS, MUD...ETC.,
4. BASEMENT AREA SEEPAGE / SURFACE WATER COLLECTION TANK PUMPS ARE NOT IN WORKING CONDITION, LEADS TO FLOODING IN ELECTRICAL TRENCHES, LIFT WELLS , RAIN WATER MAN HOLES , SEWERAGE MAN HOLES & SEPTIC TANK.

NOTE: ATTACHED THE FOLLOWING SITE PHOTOS

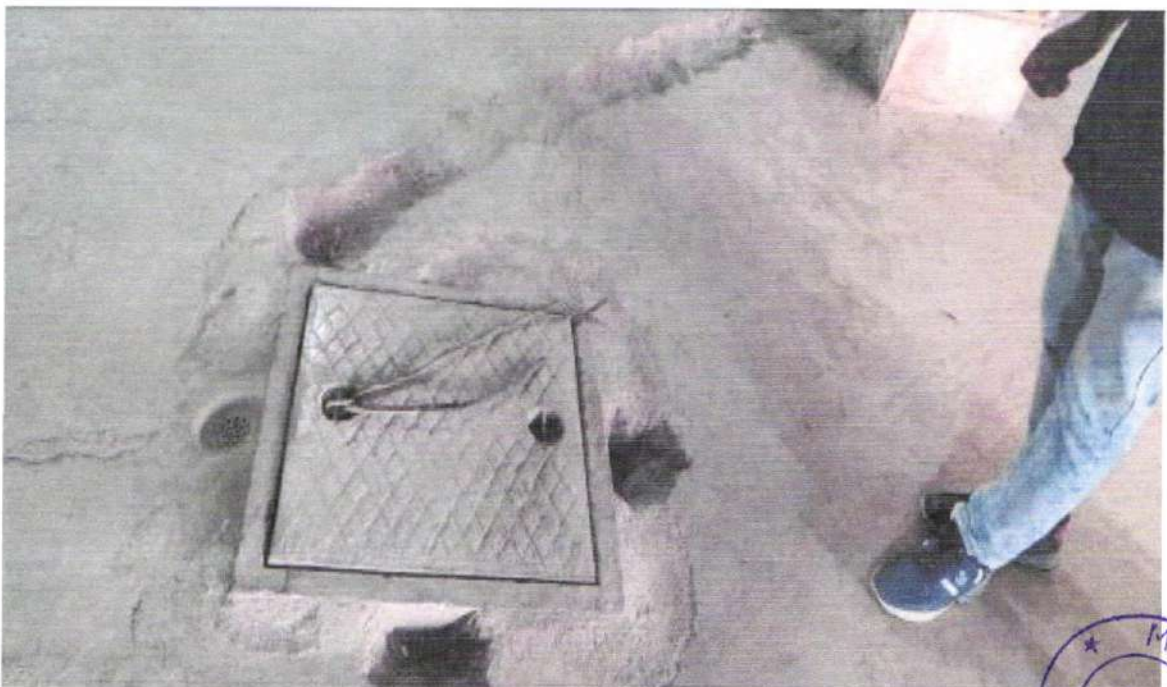
1. SEEPAGE WATER FROM ELECTRICAL TRENCHES



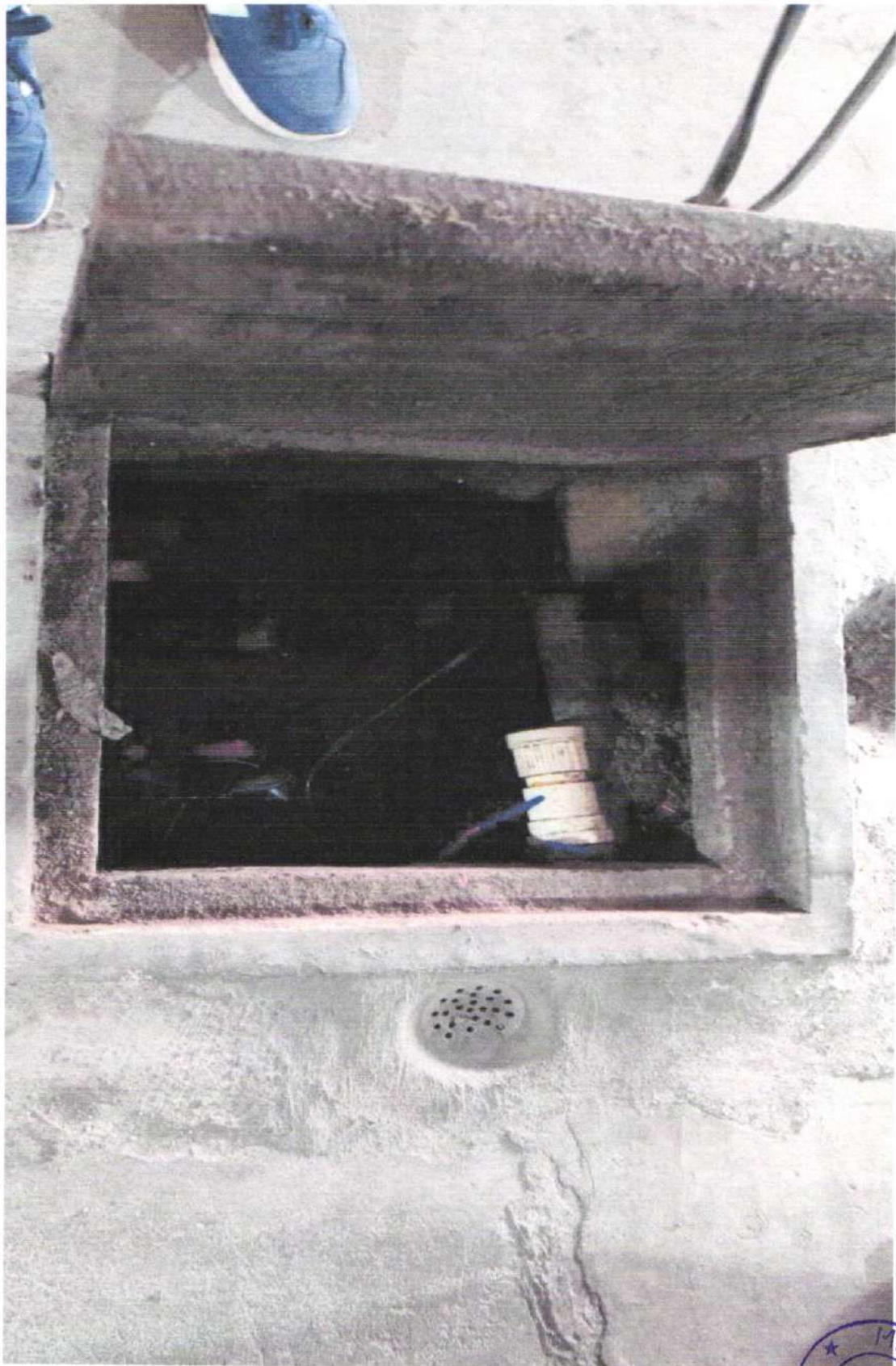
2. SEEPAGE WATER IN ELECTRICAL TRENCHES



3. FLOODING WATER ENTER IN TO MAN HOLES / INSPECTION CHAMBERS



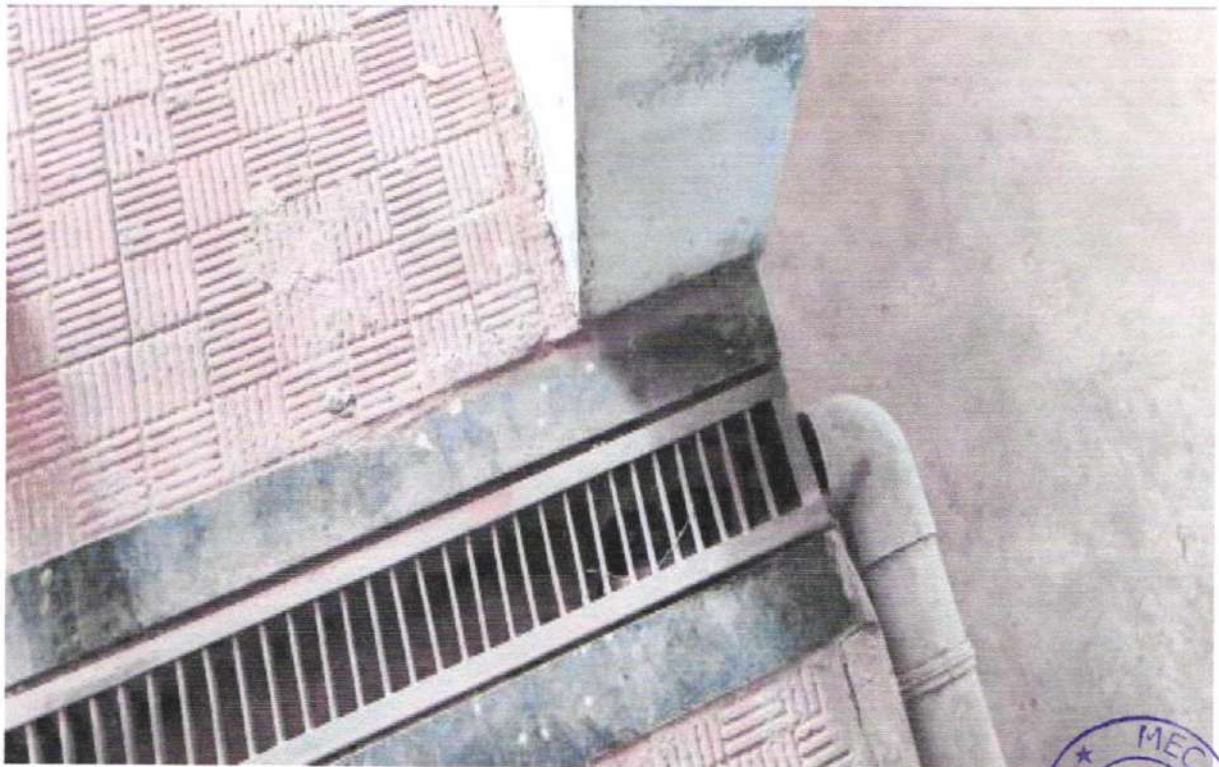
4. BASEMENT AREA COLLECTION WATER TANKS PUMPS ARE NOT WORKING



5. RAMP AREA ENTRY - SURFACE WATER GUTTER NOT PROVIDED



6. RAMP AREA ENTRY - SURFACE WATER GUTTER NOT PROVIDED AS PER SIZE REQUIRED (VERY SMALL & IT LEADS TO FLOODING)



7. FLOODED WATER ENTER IN TO MAN HOLES / INSPECTION CHAMBERS



8. COMMUNICATION / ELECTRICAL TRENCH FILLED WITH WASTE, DEBRIS & MUD..NO EASY FLOW



9. HUGE RAMP AREA ENTRY - BOTTOM LVL. - SURFACE WATER GUTTER NOT PROVIDED



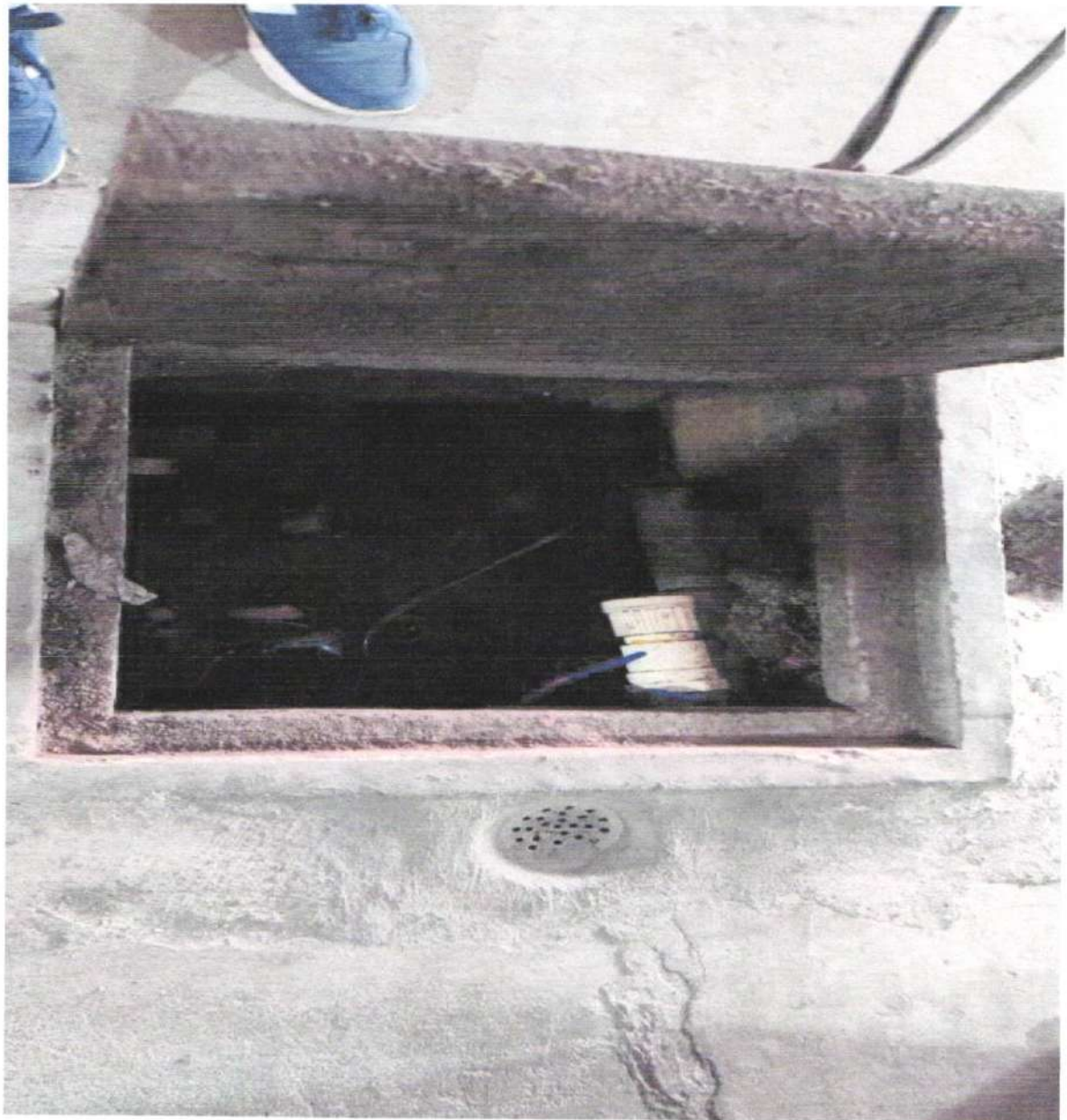
10. HUGE RAMP AREA ENTRY LVL. - SURFACE WATER GUTTER NOT PROVIDED



As per site visit & the pictures shown above , the major problems arising due to irregular maintenance especially in Rain water Seepage & lack of collection surface water.

Following pictures shows the lack of operation & maintenance issues.

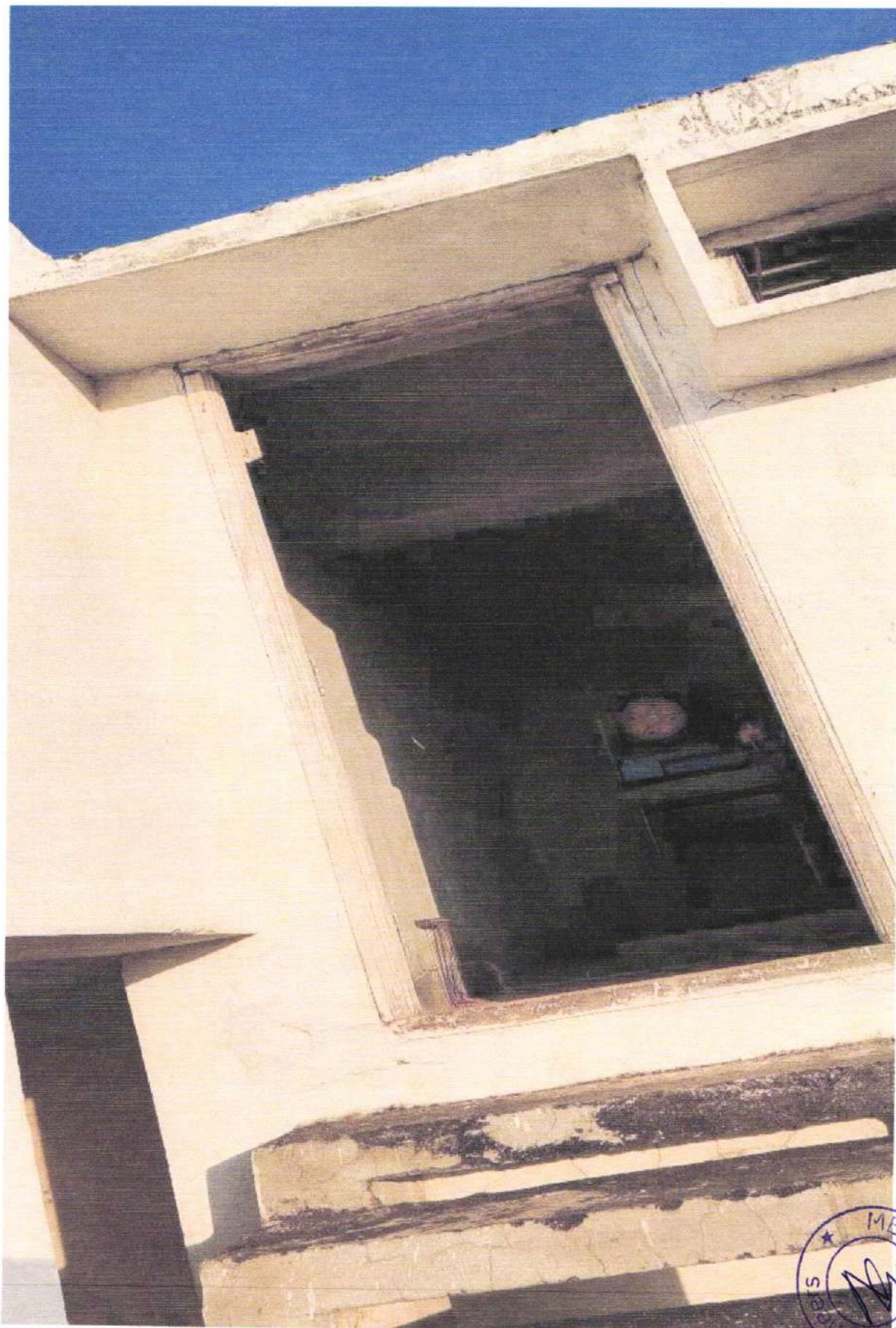
COLLECTION TANK PUMPS ARE NOT WORKING



WATER TREATMENT PLANT NOT WORKING



DOORS ARE DAMAGED FOR LIFT MACHINE ROOM - LEADS TO ENTER RAIN WATER THRU LIFT WELL ROPE OPENINGS & FILLS AT THE BOTTOM OF THE LIFT WELL.



SUGGESSTIONS

1. ALL RAIN WATER MAN HOLES & ROUTING PIPE LINES HAS TO BE CLEANED PROPERLY.

2. FOR RAMP AREA - TOP LVL & BOTTOM LVL. SHOULD HAVE ADEQUATE SIZE OF TRENCH WITH GUTTER, CONNECTION PIPE SHOULD CONNECT TO BASEMENT WATER COLLECTION TANK.

3. ALL COLLECTION TANKS SHOULD HAVE 1 WORKING & STAND BY PUMPS, SAME HAS TO CONNECT TO EMERGENCY POWER (D G SET).

NOTE:

O & M TEAM SHOULD CHECK REGULAR FUNCTIONALITY & THEY SHOULD MAINTAIN LOG BOOK.

4. WE SHOULD NOT ALLOW OUTSIDE SURFACE WATER ENTER INTO BASEMENT AREA DURING RAINY SEASON & SEEPAGE WATER IN THE BASEMENT AREA SHOULD PUMP OUT AUTOMATICALLY WITH THE HELP OF USING AUTO LVL SENSOR CONTROLLERS

5. LEAKEGE FROM RETAINING WALLS / TRENCHES / MAN HOLES HAS TO ARRESTED IMMIDIATELY.

6. AS SHOWN IN THE FOLLOWING DRAWINGS, ADDITIONAL SEEPAGE WATER COLLECTION TANKS FOR ALTERNATIVE BUILDING BLOCKS SHOULD BE MADE WITH 2 SETS OF PUMPS FOR EACH COLLECTION TANK WITH AUTO LVL. SENSOR CONTROLLERS & SAME SHOULD CONNECT TO EMERGNECY POWER (D G SET) TO DRAIN OUT.



THANKING YOU



PROJECT - VISTA HOMES APARTMENT FOR M/S MODI PROPERTIES & INVESTMENT PVT. LTD.,

TITLE : SITE SURVEY REPORT SUMMARY

Sl.	Item Description	Details of requirement	Details of installation at site	Recommendations
1.	Electrical Power Supply	Total - 378 Flats X 5KW, 6Nos X 20KW for Common Area & Amenities	Permits obtained as per requirement, Transformers, Panels, Distribution Cables, etc., were installed.	Electrical Cable Trenches were flooded with water. Sub-surface dewatering system is not functional. Sub-surface dewatering to be repaired and kept operational 24 x7.
2.	Power Backup - DG Sets	2Nos. 82.5 KVA DG. Sets	Installed @ Site for Emergency Load Only	Used for Lifts, Water Pumps, De-watering Pumps, Sludge Pumps & Common Area Lighting.
3.	Municipal Water Supply for Drinking	for Drinking water	60, 000 ltrs Provided	Sufficiently Provided.
4.	Domestic Water Supply	Supplied Through 9 Nos. Borewell & Tanker water Provision.	Adequate UG Sumps & OHTs are Provided.	Sufficiently Provided.
5.	Drainage system	Collected in Septic Tanks	2 Nos. Septic Tanks provided & treated water pumped to nearest Municipal Drain [Nala] with sludge pumps. (2nos. Pumps - 1 Working & Standby)	It is in working condition.



PROJECT - VISTA HOMES APARTMENT FOR M/S MODI PROPERTIES & INVESTMENT PVT. LTD.,

TITLE : SITE SURVEY REPORT SUMMARY

Sl.	Item Description	Details of requirement	Details of installation at site	Recommendations
6.	Rain Water Harvesting & Disposal	Harvesting Pits	Provided as per Requirement & excess water pumped to Storm Water Drain.	Total Piping Network to be maintained properly to avoid flooding.
7.	Fire Fighting System	As per Fire Department Requirement	The Fire Fighting System provided for Club House & complete Sprinkler System in Basement Floor with fire Zoning System.	Permits Obtained [FIRE NOC]
8.	Sub- Surface Drainage System	Total Network System Provided with 2Nos. 28,000 Ltrs capacity collection Tank @ Below Basement Floor	Installed & working with pumps [1Working & 1 Standby]	Should be Operational 24 X 7
9.	Operation & Maintenance	Team Required 24 X 7		Log Book should be maintained to supervise.

