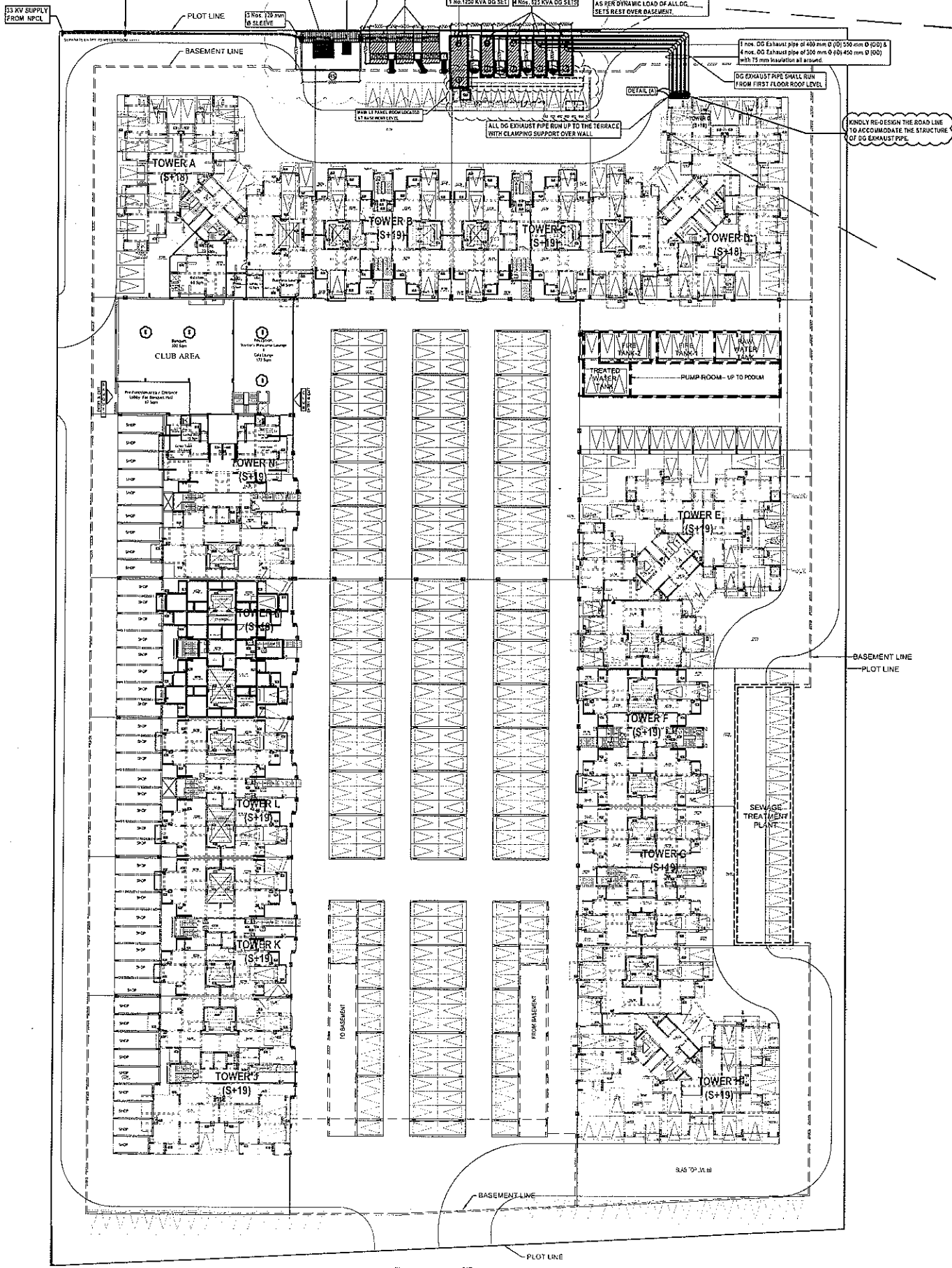
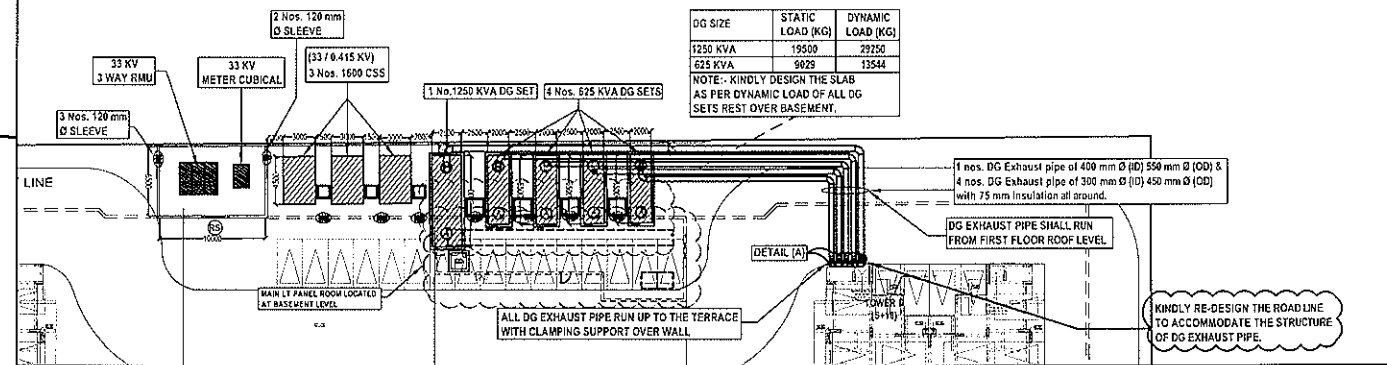


SIZE OF HT METER ROOM & BCU ROOM SHOULD BE FINALIZED AFTER GETTING CLEARANCE / SANCTION OF ELECTRICAL LOAD & SPECIFY AUTHORITY REQUIREMENTS SUCH AS SIZE OF METER, REQUIREMENT OF RMU ETC.

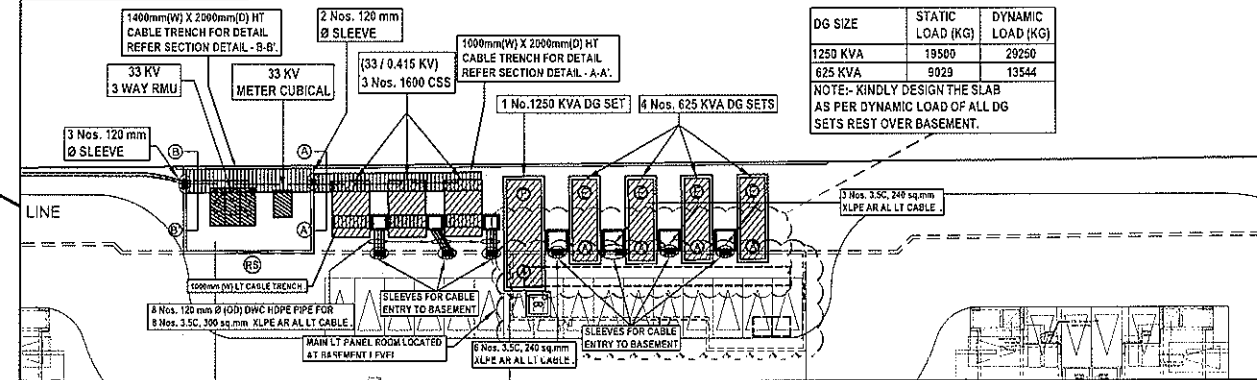
2 RUN 3C, 300 SQ MM, HT 33 KV (E) XLPE AL AL CABLE BURIED IN GROUND AT DEPTH OF 1000 MM BELOW FINAL FINISHED GROUND LEVEL.



DG EXHAUST & DIMENSION DETAIL

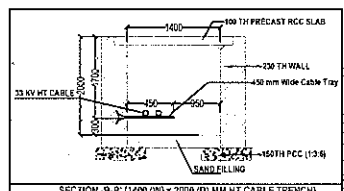
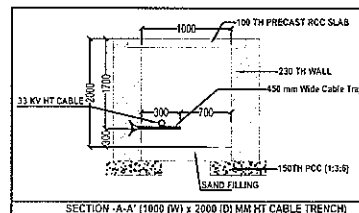
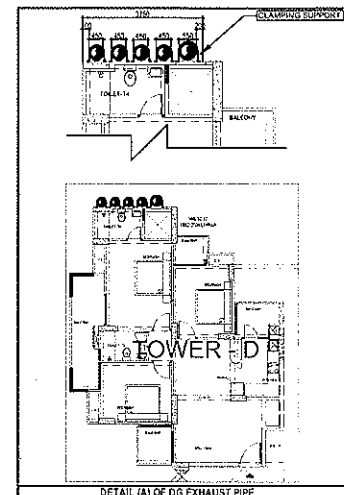


TRENCH & CABLE ENTRY DETAIL



NOTE :- CLEAR HEIGHT OF ROLLING SHUTTER = 3000 MM (MIN) FROM FFL.

- IMPORTANT NOTES :**
1. TRANSFORMER & DG SETS FOUNDATION SHALL BE GIVEN BY VENDOR.
 2. VCB PANEL SIZE SHALL BE GOT APPROVED FROM CONSULTANT BEFORE PLACEMENT OF ORDER.
 3. EXACT LOCATION OF CABLE TRENCH SHALL BE FINALIZE AFTER GETTING THE DETAIL OF GLAND PLATE IN HT PANEL.



For Gulshan Homz Pvt. Ltd.
Shankar
 Authorised Signatory

NOTES : FOR HT, LT & VCB ROOM

- 1) Clear height of 33 KV Meter room shall be minimum 3.6 mtr. below clear beam.
- 2) Plinth Level of Meter room & VCB room shall be 450 mm above final finished ground level.
- 3) Trench detail shall be finalized after receiving foundation detail of HT Meter Panel & 33 KV VCB Panel.
- 4) Ventilation is to be planned as per architecture surrounding level.

rev. no.	date	revision
R2.	21.09.2016	HT SUPPLY REVISED
R1.	18.07.2016	DG SETS CONFIGURATION REVISED
R0	05.12.2015	GFC ISSUED.

project
GULSHAN BELLINA
 PROPOSED GROUP HOUSING AT GREATER NOIDA.

title
ELECTRICAL DRAWING

sub title
SETTING-OUT LAYOUT AT SITE PLAN

drawing released for
☐ APPROVAL ☐ SUBMISSION
☐ ADVANCE COPY ☒ CONSTRUCTION

drw. no.
 GB / ELEC / EXT / 01

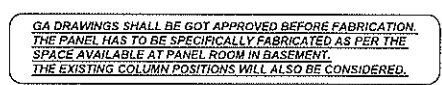
scale
 1: 430 @ A1

date
 Dec. 2015

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The diagram illustrates a 33 KV substation layout. At the top, two 33KV lines enter from the left and right, both labeled "33KV, I/C SUPPLY FROM SEB". The left line is labeled "1R, 3C, 200 SQ MM 33KV HT (6) XLPE AL. AL. CABLE" and connects to a "3 WAY 33 KV BUS (2 POC M. INCL)". The right line is labeled "1R, 3C, 200 SQ MM 33KV HT (5) XLPE AL. AL. CABLE" and connects to a "33 KV VCB". Below these, a central horizontal busbar is shown. A "33 KV VCB" is connected to the left end of this busbar, and another "33 KV VCB" is connected to the right end. A "33 KV METERING PANEL" is connected to the bottom of the central busbar. A "33KV VCB" is also connected to the bottom of the central busbar. At the bottom, a line labeled "1R, 3C, 200 SQ MM 33KV HT (5) XLPE AL. AL. CABLE" exits the substation. A note at the bottom right states "TO CONNECT MAIN EARTH GRID BY 2 nos. 50 x 50 x 6mm/2 STRAP".



- ☆ 1 No. CT's TO BE PROVIDED IN LOOSE CONDITION BY THE PANEL MANUFACTURER TO THE CLIENT FOR REF PROTECTION.
- ☆ 3 Nos. CT's TO BE PROVIDED IN LOOSE CONDITION BY THE PANEL MANUFACTURER TO THE CLIENT FOR DIFFERENTIAL PROTECTION.

- CSS HAVE PROVISION IN NEUTRAL CT BEFORE STAR POINT OF SECONDARY WINDING

GENERAL NOTE:- In normal case all three lamps shall be "ON" to indicate that incoming power supply is available. In case of power resumption after failure buzzer shall ring to indicate that power supply is resume, there shall be one push button to acknowledge the same.

- 1) The PLC shall have a provision of interlocking between different Incomers & Bus couplers to avoid Paralleling of two different supplies from Transformer & DG sets.
- 2) Logic to AUTO START & AUTO STOP for each DG sets.
- 3) Tripping data from Energy Analysers and Issuing and selecting starting command for DG sets as per above logic. Further it shall also be possible to START/STOP DG sets in Manual/Test Mode.
- 4) Paralleling of DG sets have not been envisaged.
- 5) In case of any discrepancy in interlocking scheme inform consultant before execution.

FOR MAIN LT PANELS

- 1) All ACB should have Ics = Icu = low = 50 KA for 1 sec, fully rated at 50 deg C ambient temperature
- 2) All ACB's shall have an inbuilt facility of O/G, S/C, instantaneous S/C & Earth fault protection
- 3) All ACB's shall have Auxiliary switches with 4NO + 4NC contacts.
- 4) All Incoming ACB's shall facility with LCD / LED display for event history & measurement of current parameters.
- 5) All MCCB shall be microprocessor based with Inbuilt: O/L & S/C release with E/F protection
- 6) All MCCB's shall be Ics = 100% Icu.
- 7) All MCCB's shall have adjustable O/L & S/C trip setting as per load requirement

project GULSHAN BELLINA PROPOSED GROUP HOUSING AT GREATER NOIDA.		title ELECTRICAL DRAWING		drawing released for ☐ APPROVAL ☐ ADVANCE COPY ☐ SUBMISSION ☒ CONSTRUCTION		drg. no. GB/ELEC/EXT./102-01		drawn by M. Firoz		architects DEEPAK MEHTA & ASSOCIATES ARCHITECTS, PLANNERS, VALUERS, LANDSCAPE & INTERIORS PLOT NO. 16 ABHISHEK PLAZA, L.S.C. MAYUR VIHAR PH II DELHI 91 PH: 65272180 TEL: 65271182		services consultant Consummate Engineering Services (P) Ltd. Huda Office - B - 47, Sector - 67, Noida - 201 301 Tel: (0120) 544350 / 241004 Cko. Office - R 034, Rohta Panchayat, Goud Nagar, Lucknow email : mail@cespln.in, website : www.cespln.in		<table><tr><th>no.</th><th>date</th><th>revision</th></tr><tr><td>R1.</td><td>21.09.2016</td><td>HT SUPPLY & DG SET REVISED</td></tr><tr><td>R9.</td><td>05.09.2016</td><td>REVISED.</td></tr></table>		no.	date	revision	R1.	21.09.2016	HT SUPPLY & DG SET REVISED	R9.	05.09.2016	REVISED.
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R1.	21.09.2016	HT SUPPLY & DG SET REVISED																						
R9.	05.09.2016	REVISED.																						
sub title MAINS SCHEMATIC DIAGRAM (SHEET 01 OF 02)		scale N.T.S @ A1		date Dec. 2015		designed by Ateeq Ur Rehman		checked by Anand Havella		date Dec. 2015		revision												

For Gulshan
 Authorised Signatory