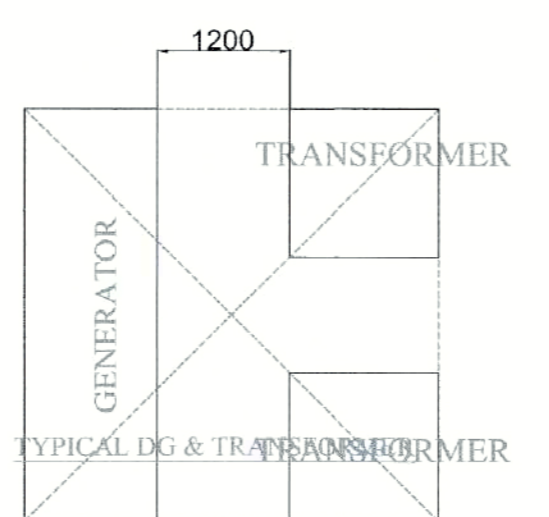
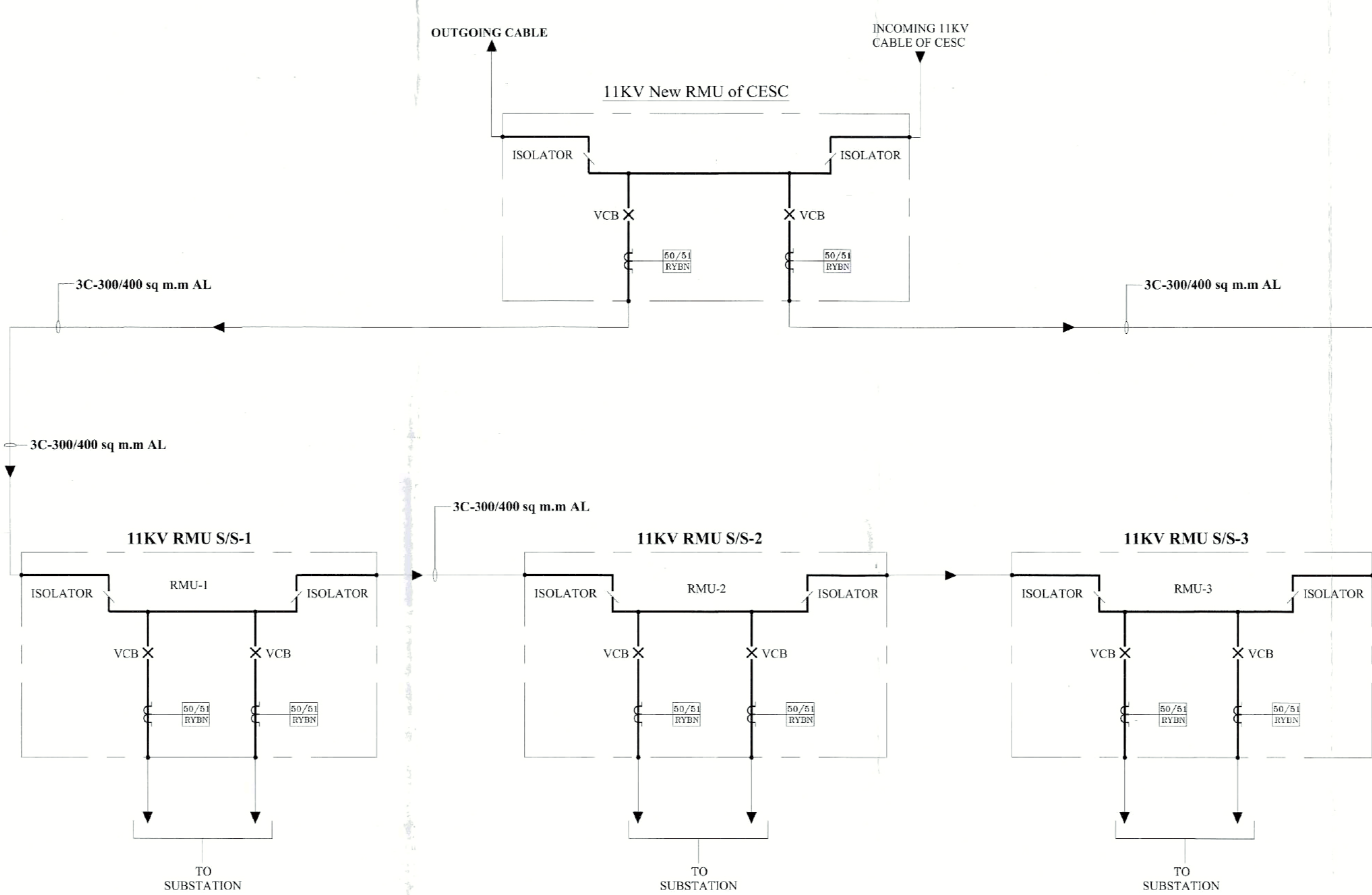


**SINGLE LINE DIAGRAM OF RING MAIN UNIT**



SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL PROJECT PHASE 1				
AREA	GL-100	MD-100	MD-100	MD-100
SUMMARY OF ELECTRICAL LOAD OF COMMON AREA OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 1	305	71	71	0.71
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 2	1258	189	113	1.36
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 3	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 4	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 1	178	41	41	0.41
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 2	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 3	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 4	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 5	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 6	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 7	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 8	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 9	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 10	995	282	71	2.52
TOTAL	8888	2752	854	13.75
AVERAGE LOADING ON DEMAND LOAD	8888	2752	854	13.75
TOTAL FOR PROJECT	8888	2752	854	13.75

ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 1				
AREA	GL-100	MD-100	MD-100	MD-100
SUMMARY OF ELECTRICAL LOAD OF COMMON AREA OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 1	305	71	71	0.71
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 2	1258	189	113	1.36
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 3	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 1 TOWER 4	995	282	71	2.52
TOTAL	3553	1025	266	3.55

TRANSFORMER RATING CALCULATIONS FOR ZONE 1 (COMMON TOWER 1,2,3,4)				
DEMAND LOAD	1164 KW			
AVERAGE LOADING FACTOR	0.8			
FINAL DEMAND LOAD @ 0.85 PF	931 KW			
FINAL DEMAND LOAD @ 0.85 PF	1036 KVA			
TRF LOADING FACTOR	1.25			
DERIVED CAPACITY OF TRF	1314			
NEAREST CAPACITY AVAILABLE	2 X 750 KVA			

DG RATING CALCULATIONS FOR ZONE 1 (COMMON TOWER 1,2,3,4)				
DEMAND LOAD	307 KW			
AVERAGE LOADING FACTOR	0.8			
FINAL DEMAND LOAD	245 KW			
FINAL DEMAND LOAD @ 0.85 PF	285 KW			
TRF LOADING FACTOR	1.25			
DERIVED CAPACITY OF DG	356			
NEAREST CAPACITY AVAILABLE	1 X 500 KVA			

ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2				
AREA	GL-100	MD-100	MD-100	MD-100
SUMMARY OF ELECTRICAL LOAD OF COMMON AREA OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 1	305	71	71	0.71
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 2	1258	189	113	1.36
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 3	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 4	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 5	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 6	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 7	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 8	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 9	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 2 TOWER 10	995	282	71	2.52
TOTAL	8888	2752	854	13.75
AVERAGE LOADING ON DEMAND LOAD	8888	2752	854	13.75
TOTAL FOR PROJECT	8888	2752	854	13.75

TRANSFORMER RATING CALCULATIONS FOR ZONE 2 (COMMON TOWER 5,6,7,8)				
DEMAND LOAD	607 KW			
AVERAGE LOADING FACTOR	0.8			
FINAL DEMAND LOAD	485 KW			
FINAL DEMAND LOAD @ 0.85 PF	568 KW			
TRF LOADING FACTOR	1.25			
DERIVED CAPACITY OF TRF	710			
NEAREST CAPACITY AVAILABLE	1 X 750 KVA			

DG RATING CALCULATIONS FOR ZONE 2 (COMMON TOWER 5,6,7,8)				
DEMAND LOAD	416 KW			
AVERAGE LOADING FACTOR	0.8			
FINAL DEMAND LOAD	332 KW			
FINAL DEMAND LOAD @ 0.85 PF	387 KW			
TRF LOADING FACTOR	1.25			
DERIVED CAPACITY OF DG	484			
NEAREST CAPACITY AVAILABLE	1 X 600 KVA			

ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3				
AREA	GL-100	MD-100	MD-100	MD-100
SUMMARY OF ELECTRICAL LOAD OF COMMON AREA OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 1	305	71	71	0.71
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 2	1258	189	113	1.36
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 3	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 4	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 5	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 6	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 7	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 8	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 9	995	282	71	2.52
SUMMARY OF ELECTRICAL LOAD OF SHALIMAR RESIDENTIAL ZONE 3 TOWER 10	995	282	71	2.52
TOTAL	10743	3485	1088	14.81
AVERAGE LOADING ON DEMAND LOAD	10743	3485	1088	14.81
TOTAL FOR PROJECT	10743	3485	1088	14.81

TRANSFORMER RATING CALCULATIONS FOR ZONE 3 (COMMON TOWER 9,10,11,12,13, CLUB)				
DEMAND LOAD	3481 KW			
AVERAGE LOADING FACTOR	0.8			
FINAL DEMAND LOAD	2785 KW			
FINAL DEMAND LOAD @ 0.85 PF	3277 KVA			
TRF LOADING FACTOR	1.25			
DERIVED CAPACITY OF TRF	4100			
NEAREST CAPACITY AVAILABLE	4 X 750 KVA			

DG RATING CALCULATIONS FOR ZONE 3 (COMMON TOWER 9,10,11,12,13, CLUB)				
DEMAND LOAD	1808 KW			
AVERAGE LOADING FACTOR	0.8			
FINAL DEMAND LOAD	1446 KW			
FINAL DEMAND LOAD @ 0.85 PF	1687 KW			
TRF LOADING FACTOR	1.25			
DERIVED CAPACITY OF DG	2133			
NEAREST CAPACITY AVAILABLE	4 X 750 KVA			

CLUB					
ITEM	QTY	SLDLOAD KW	DIV	NEEDLOAD KW	REQD CAP IN KW
GROUND FLOOR	1	15.3	0.8	12.2	0.1
GROUND FLOOR POWER	1	19.1	0.6	15.5	
GROUND FLOOR TYPICAL	1	145.0	0.7	101	
GROUND FLOOR TOTAL	1	25.3	0.5	20.5	
FIRST FLOOR	1	15.3	0.8	12.2	0.1
FIRST FLOOR POWER	1	19.1	0.6	15.5	
FIRST FLOOR TYPICAL	1	10.0	0.6	8	
FIRST FLOOR TOTAL	1	0.8	0.8	0.8	0.13
SECOND FLOOR	1	24.0	0.8	19.2	0.04
EXTERNAL WIRE	1	0.8	0.8	0.8	0.04
EXTERNAL WIRE	1	1.5	0.8	1.2	0.3
TOTAL		375		302	

LOAD CALCULATIONS					
ITEM	QTY	UNIT LOAD KW	CLUB	NET	REQD KW
PLUMBING	2	175	1.5	1.8	
ELECTRICAL	2	175	1.5	1.8	
TOTAL				3.6	

TOTAL CONNECTED LOAD	390 KW	0.85 PF
TOTAL DEMAND LOAD	261 KW	307 KVA
DERIVED CAPACITY OF TRF	358	
NEAREST CAPACITY AVAILABLE	300 KW	248 KVA

**PROJECT**  
**ADDITION ALTERATION OF PROPOSED G+12,G+18 AFFORDABLE HOUSING UNDER PRADHAN MANTRI AWAS YOJANA & G+28 STORIED BUILDING PRE. NO.39/1 SHALIMAR ROAD, MOUZA SHIBPUR SHEET NO.169,170,179,180, J.I. NO. 1, L.R. KHATIAN NO. 170,9,15,17, L.R. DAG NO.12,13,39,40,41,42,44,45,60,61, 62,63,6,7,8,9,10,11,12,13,14,15,16,17,21,22,24,1,2,11 P.S-SHIBPUR, WARD NO-39, BOROUGH-VI,DIST HOWRAH-711103, UNDER HOWRAH MUNICIPAL CORPORATION,WEST BENGAL, PREVIOUSLY SANCTIONED VIDE BRC NO. 358/19-20 DATED 4.02.2020**

**TITLE :**  
**OVERALL ELECTRICAL POWER DISTRIBUTION PLAN WITH REQUIRED LOAD CALCULATION**

- SPECIFICATION**
1. 1ST CLASS CEMENT BRICK WORK IN SUPERSTRUCTURE
  2. 200 THK EXT. BRICK WALL & 100 THK INT. BRICK WALL IN 1:4 CEMENT SAND MORTAR
  3. LEAN CONC. (1:3) WITH 19 MM DOWN GRADED STONE CHIPS FOR ALL P. C. C. WORKS
  4. M-25 CONC. (1:1:2) FOR ALL R.C.C. WORKS
  5. 20 MM & 16MM THK PLASTER (1:3) ON EXT. & INT. BRICK WALL RESPECTIVELY & 10 MM. THK PLASTER (1:3) ON CEILING
  6. 20 X 6 FLAT ORNAMENTAL GRILL WITHIN WINDOW FRAME & 40 MM THK MARBLE FLOORING INCLUDING SKirting OVER R.C.C. FLOOR SLAB
  7. SINGLE LAYER F.S.S. IN FOUNDATION & PLINTH
  8. HIRE A LABOUR FOR SHUTTERS & LABOUR WORKS INCLUDING STOUT PROPS TO BE PLACED AS PER DIRECTION
  9. TOR STEEL BAR FOR ALL R.C.C. WORKS INCLUDING DISTRIBUTERS & BINDERS
  10. SANITARY & PLUMBING FITTING & FIXING COMPLETE AS PER RULE
  11. MATERIALS TO BE USED : CEMENT-PORTLAND, SAND-MEDIUM COARSE, STONE CHIPS- 19 MM DOWN GRADED
  12. CLEAR COVER TO MAIN REIN. FOUNDATION- 50 MM, COLUMN- 40 MM, BEAM- 25 MM, SLAB- 20 MM
  13. S.W. WOOD TO BE USED FOR DOOR & WINDOW FRAME & TEAK WOOD FOR SHUTTERS
  14. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED & WRITTEN DIMENSIONS WILL SUPERCEDE MEASURED DIMENSIONS.

**D E C L A R A T I O N**  
 THE PLOT IS SITUATED IN AN UNBOUNDARY WALL. THE CHARACTER OF THE ROAD IS A M.M.C. ROAD. I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN BY ME AS PER PROVISION OF K.M.C. BUILDING RULES 2009 AS EXTENDED MUTATIS - MUTANDIS TO H.M.C. AND THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFORM WITH THE SITE PLAN AND THAT IS BUILDABLE SITE AND NOT A TANK OR FILLED UP LAND.

IDEAL RIVERVIEW PROJECTS PVT. LTD.  
 SIGNED BY ARCHITECT  
 SIGNED BY ARCHITECT  
 SIGNED BY ARCHITECT

**SIGNATURE OF APPLICANT**  
 DR. SARAT BANERJEE  
 35A, DR. SARAT BANERJEE ROAD, KOLKATA-700 029  
 PIN NO. - 700 029  
 MOBILE NO. - 98303 41515

**UNDERTAKING**

- 1/ I/ WE UNDERTAKE THAT WHEN THE SEWER LINE WILL BE AVAILABLE, I/ WE SHALL TAKE CONNECTION AT MY OWN COST & AS PER RULE.
- 2/ NO BUILDING MATERIALS WILL BE STACKED/ DEPOSITED ON ROAD OVERNIGHT.
- 3/ I/ WE SHALL ARRANGE FOR RAINING & MAINTENANCE OF FREE AS SHOWN IN THE DRAWING AT MY OWN COST.

SCALE : 1:500 REF. NO. : ESP/2020/SHALIMAR/PSMC/WORK-03B  
 DATE : 10.08.23 DING. NO. :  
 SEAL :  
 ARCHITECTS : P.L.S.B. ENGINEERS & M.O.

35A, DR. SARAT BANERJEE ROAD, KOLKATA-700 029  
 PIN NO. - 700 029  
 MOBILE NO. - 98303 41515

THE DRAWING IS A PROPERTY OF P.L.S.B. & A. SARAT BANERJEE ROAD, KOLKATA-700 029. ANY MODIFICATION, CHANGES, DEVIATIONS IS NOT PERMISSIBLE WITHOUT PRIOR INTIMATION TO P.L.S.B. & A. SARAT BANERJEE ROAD, KOLKATA-700 029.



FOR H.M.C. PURPOSE

APPLICANT HAS TO EXHIBIT AT A CONSPICUOUS PLACE:  
PERMITS NO. :-  
NAME OF THE I.P.A. LIA.  
NAME OF THE STRUCTURAL ENGRG.  
NAME OF THE CIVIL ENGINEER  
NAME OF OWNER :-  
NAME OF THE APPLICANT :-  
BUILDING PERMIT

THE SANCTION IS VALID  
UP TO 20/11/2025

APPROVED AS PER  
COMMISSIONING OF 20/11/25

APPLICANT SHALL KEEP AT THE SITE ONE SET  
OF PLANS AND SPECIFICATIONS AND SHALL  
EXHIBIT A CONSPICUOUS PLACE THE NUMBER  
OF THE PERMIT. THE NAME OF THE ARCHITECT  
OR LICENSED BUILDING SURVEYOR, STRUCTURAL  
ENGINEER AND CIVIL ENGINEER  
NAME OF OWNER AND NUMBER AND DATE OF  
THE BUILDING PERMIT.

CONSTRUCTION SITE SHALL  
MAINTAIN TO PREVENT  
WORMS OR BREEDING IN ALL  
WATERBODIES SO THAT ALL WATERS  
COLLECTION & PARTICULARLY  
WELLS, VATS, BASEMENT CURBS,  
PITS, OPEN RECEPTACLES ETC.  
MUST BE EMPTIED COMPLETELY  
AT REGULAR INTERVALS.

Sanctioned Conditionally on  
undertaking from the owner  
that if any part of the building  
to be constructed falls within  
the alignment of HMC, the  
same will be demolished by  
the owner at his/her risk and  
for this the owner will not claim  
any compensation from HMC.

Plans for water connection arrangement  
SEMI U. G. should be submitted at the  
Office of the Assistant Engineer of  
Borough and sanction to be obtained  
before proceeding with the work of  
Water Supply. Any deviation may lead to  
disconnection / demolition.

No rain water pipe should be fixed or  
discharged on Road or Footpath.  
Drainage plan should be submitted  
at the Borough Assistant Engineer's  
Office and the sanction obtained before  
proceeding with the drainage work.

PLACED IN MUNICIPAL  
BUILDING COMMITTEE  
DATE: 18/11/25

**PARTY'S COPY**



CORRECTIONALIAN 97  
900 No. 11/11/25  
S. K. Saha  
Sub. Asst. Engineer  
Building Department  
Townraha Municipal Corporation

Structural plan and design calculation as submitted by the  
structural engineer, have been kept with B.R.  
No. 117/25. The date of submission of the  
records of the Townraha Municipal Corporation without  
verification. Non-compliance from the submitted structural plan  
should be taken care of during erection without submitting  
fresh structural plan along with design calculation and  
stability calculation. Necessary steps  
should be taken to ensure the safety of the adjoining premises  
public and private properties during construction.

Construction site shall be maintained to prevent  
worms or breeding in all waterbodies so that all waters  
collection & particularly wells, vats, basement curbs,  
pits, open receptacles etc. must be emptied completely  
at regular intervals.

Before starting any construction site must conform with the  
sanctioned and all the conditions proposed in the plan should be fulfilled.

The validity of the written permits to execute the work is subject to the above conditions.

The Building Materials necessary for construction should conform to the standard specified in the National Building Code of India.

Design of all structural members including that of the foundation should conform to Standards specified in the National Building Code of India.

Non-Commencement of Erection / Re-Erection within Two Years will Require Fresh Application for Sanction.

RESIDENTIAL BUILDING

DEVIATION WOULD MEAN DEMOLITION

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction. Also to avoid pollution as per WPPCB Guidelines in Vague.

Tower-G  
Section X-X  
Section Y-Y