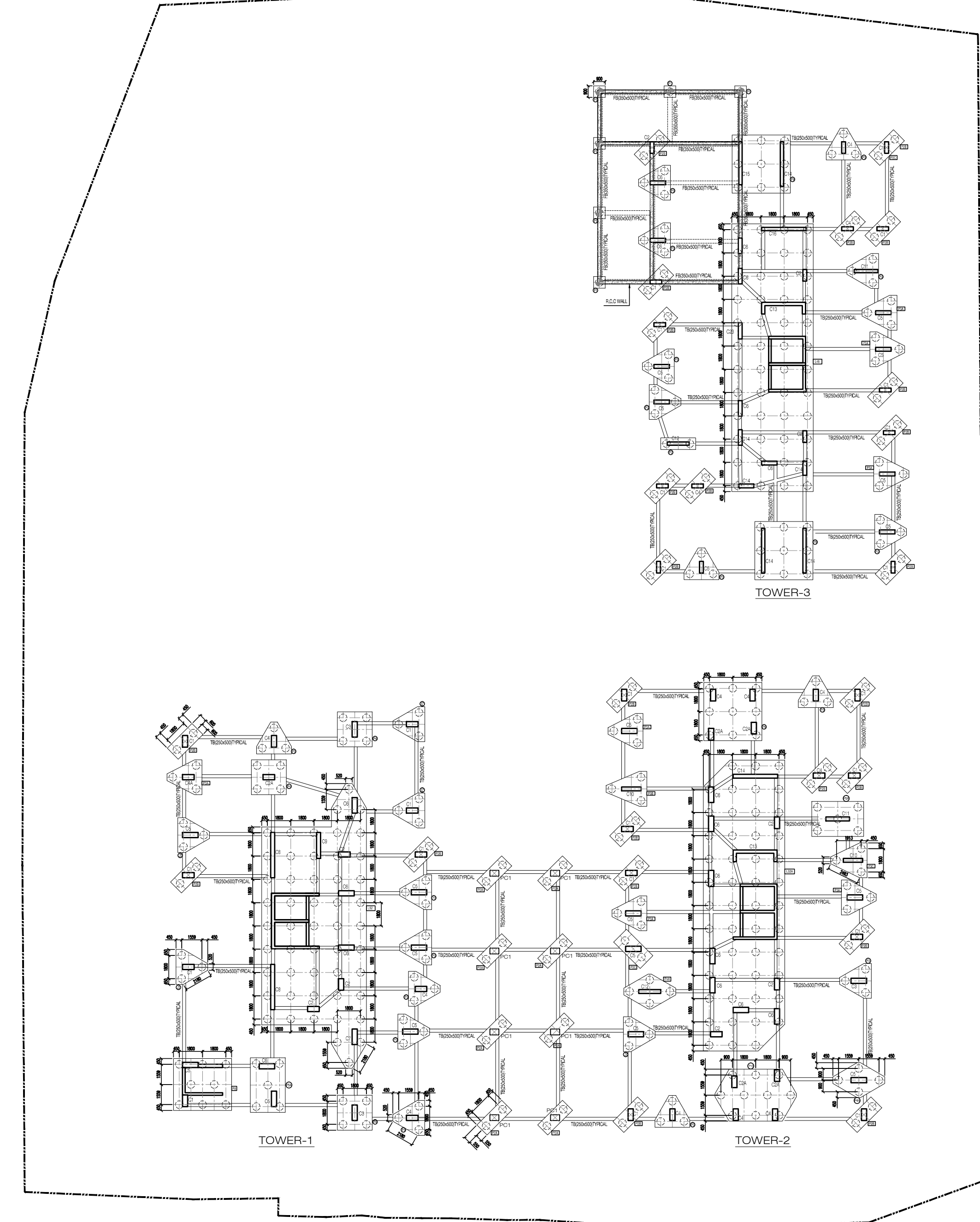
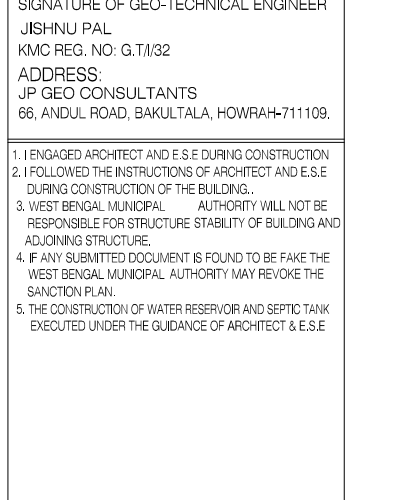
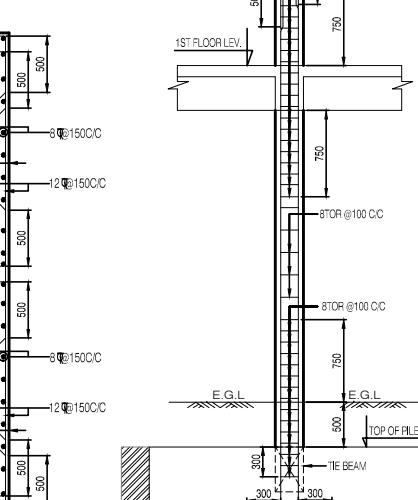
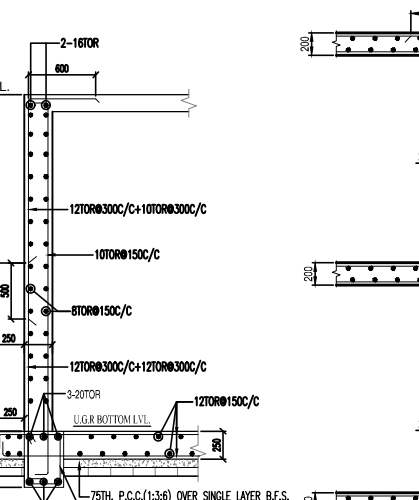
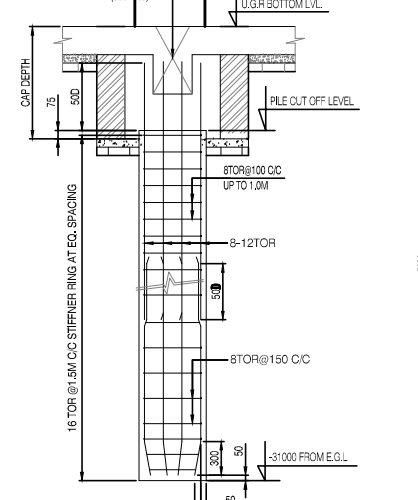
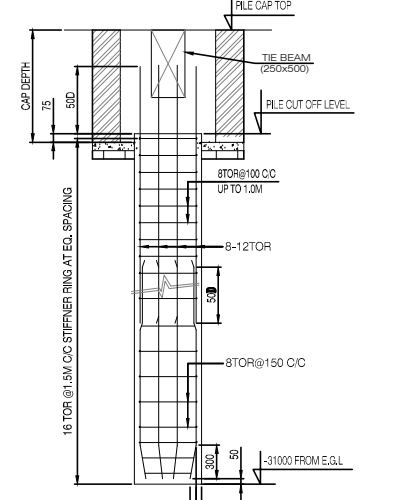
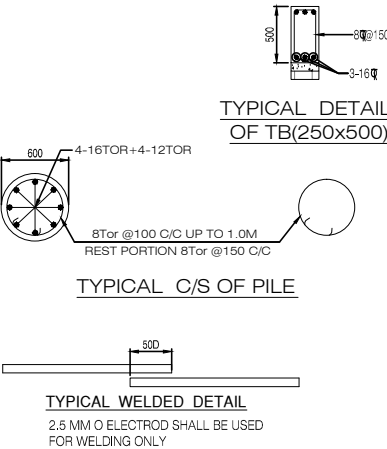


COLUMN SCHEDULE (TOWER-1,2 & 3)												
GRADE OF CONCRETE - M30												
10TH FLOOR TO ROOF	25-12 ॥	16-20 ॥ 10-16 ॥	16-20 ॥ 10-16 ॥	34-12 ॥	25-12 ॥	25-12 ॥	34-12 ॥	20-20 ॥ 14-16 ॥	34-12 ॥	36-16 ॥ 32-12 ॥	॥	॥
8TH FLOOR TO 10TH FLOOR	8-16 ॥ 16-12 ॥	16-20 ॥ 10-16 ॥	16-20 ॥ 10-16 ॥	34-12 ॥	25-16 ॥	25-16 ॥	20-16 ॥ 14-12 ॥	20-20 ॥ 14-16 ॥	20-16 ॥ 14-12 ॥	36-16 ॥ 32-12 ॥	॥	॥
4TH FLOOR TO 8TH FLOOR	25-16 ॥	16-20 ॥ 10-16 ॥	16-20 ॥ 10-16 ॥	20-16 ॥ 14-12 ॥	25-16 ॥	25-16 ॥	20-16 ॥ 14-12 ॥	20-20 ॥ 14-16 ॥	34-16 ॥	36-16 ॥ 32-12 ॥	॥	॥
2ND FLOOR TO 4TH FLOOR	8-20 ॥ 18-16 ॥	25-20 ॥	25-20 ॥	34-16 ॥	25-20 ॥	25-20 ॥	20-20 ॥ 14-16 ॥	20-20 ॥ 14-16 ॥	34-25 ॥	66-16 ॥	॥	॥
FOUNDATION TO 2ND FLOOR	8-25 ॥ 18-20 ॥	25-25 ॥	25-25 ॥	20-20 ॥ 14-16 ॥	25-25 ॥	25-25 ॥	34-25 ॥	34-25 ॥	34-25 ॥	66-20 ॥	॥	॥
COL SIZE	400X900 UPTD 1ST FLOOR REST 300X900	400X900 UPTD 1ST FLOOR REST 300X900	400X900 UPTD 1ST FLOOR REST 300X900	400X1200 UPTD 1ST FLOOR REST 300X1200	400X900 UPTD 1ST FLOOR REST 300X900	400X900 UPTD 1ST FLOOR REST 300X900	400X1200 UPTD 1ST FLOOR REST 300X1200	400X1200 UPTD 1ST FLOOR REST 300X1200	400X1200 UPTD 1ST FLOOR REST 300X1200	300X3500 UPTD 1ST FLOOR REST 250X3500	॥	॥
LINK	8 ॥ 1000C & 8 ॥ 1000C											
COL MARKED	C1	C2	C2A	C3	C4	C4A	C5	C6	C7	C8	॥	॥

COLUMN SCHEDULE (TOWER-1,2 & 3)												
GRADE OF CONCRETE - M30												
10TH FLOOR TO ROOF	18-16 ॥ 20-12 ॥	24-16 ॥ 10-12 ॥	38-16 ॥	20-16 ॥ 14-12 ॥	70-16 ॥	30-16 ॥ 26-12 ॥	30-16 ॥ 24-12 ॥	॥	॥	॥	॥	॥
8TH FLOOR TO 10TH FLOOR	18-16 ॥ 20-12 ॥	24-16 ॥ 10-12 ॥	38-16 ॥	20-16 ॥ 14-12 ॥	70-16 ॥	30-16 ॥ 26-12 ॥	30-16 ॥ 24-12 ॥	॥	॥	॥	॥	॥
4TH FLOOR TO 8TH FLOOR	18-16 ॥ 20-12 ॥	24-20 ॥ 10-16 ॥	38-16 ॥	20-16 ॥ 14-12 ॥	70-16 ॥	30-16 ॥ 26-12 ॥	30-16 ॥ 24-12 ॥	॥	॥	॥	॥	॥
2ND FLOOR TO 4TH FLOOR	36-16 ॥	4-25 ॥ 30-20 ॥	38-20 ॥	20-20 ॥ 14-16 ॥	15-20 ॥ 50-16 ॥	30-20 ॥ 26-16 ॥	30-20 ॥ 24-16 ॥	26-25 ॥	॥	॥	॥	॥
FOUNDATION TO 2ND FLOOR	38-20 ॥	34-25 ॥	38-25 ॥	34-20 ॥	75-20 ॥	55-20 ॥	54-20 ॥	26-25 ॥	॥	॥	॥	॥
COL SIZE	300X2000 UPTD 1ST FLOOR REST 250X2000	300X1500 UPTD 1ST FLOOR REST 250X1500	300X1800 UPTD 1ST FLOOR REST 250X1800	250X1700 UPTD 1ST FLOOR REST 250X1700	250X1700 UPTD 1ST FLOOR REST 250X1700	300X3450 UPTD 1ST FLOOR REST 250X3450	300X3325 UPTD 1ST FLOOR REST 250X3325	450X700	॥	॥	॥	॥
LINK	8 ॥ 1000C & 8 ॥ 1000C											
COL MARKED	C9	C10	C11	C12	C13	C14	C15	PC1	॥	॥	॥	॥



PILE CAP SCHEDULE					
GRADE OF CONCRETE - M30					
TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION	
P1	900X900	1000	10 ॥ 150 C/C (T) 10 ॥ 125 C/C (B)	10 ॥ 150 C/C (T) 10 ॥ 125 C/C (B)	
P2A	1100X2700	1200	4L+12 ॥ 150 C/C	10 ॥ 150 C/C (T) 25 ॥ 150 C/C (B)	
P2B	1200X2700	1200	4L+12 ॥ 150 C/C	10 ॥ 150 C/C (T) 25 ॥ 150 C/C (B)	
P3	ASDWG	1200	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P3A	ASDWG	1200	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P3B	ASDWG	1200	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P3C	ASDWG	1200	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P4	2700X2700	1400	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P4A	ASDWG	1400	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P5A	2700X4225	1500	10 ॥ 150 C/C (T) 20 ॥ 125 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 125 C/C (B)	
P6	4500X4018	1600	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P9	4500X4500	1600	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
P10	ASDWG	1700	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	10 ॥ 150 C/C (T) 20 ॥ 100 C/C (B)	
L52	ASDWG	2200	25 ॥ 100 C/C (T) 32 ॥ 125 C/C (B)	25 ॥ 100 C/C (T) 32 ॥ 125 C/C (B)	
L52A	6300X22900	2200	25 ॥ 100 C/C (T) 32 ॥ 125 C/C (B)	25 ॥ 100 C/C (T) 32 ॥ 125 C/C (B)	
L48	6300X20700	2200	25 ॥ 100 C/C (T) 32 ॥ 125 C/C (B)	25 ॥ 100 C/C (T) 32 ॥ 125 C/C (B)	

NOTES :-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. SUPER STRUCTURE: SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
3. ALL GRADE OF CONCRETE: M30 & M25.
4. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
5. FOR STEEL GRADES: FE 250 & FE 415 (PER IS: 1786-2008).
6. LAY OUT SHALL BE AS PER IS: 1786-2008.
7. FOR THE S.
8. FOR THE S.
9. FOR THE S.
10. FOR THE S.

UNDER SIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

SIGNATURE OF GEO-TECHNICAL ENGINEER
JISHNU PAL
KMC REG. NO. G.T/02
ADDRESS:
JP GEO CONSULTANTS
66, ROYD ROAD, BAKULTALA, HOWRAH-711109.

1. ENGAGED ARCHITECT AND E.S.E DURING CONSTRUCTION
2. FOLLOWED THE INSTRUCTIONS OF ARCHITECT AND E.S.E DURING CONSTRUCTION OF THE BUILDING.
3. WEST BENGAL MUNICIPAL AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURE STABILITY OF BUILDING AND ADDING STRUCTURE.
4. IF ANY SUBMITTED DOCUMENT IS FOUND TO BE FAKE THE WEST BENGAL MUNICIPAL AUTHORITY MAY REVOKE THE SANCTION PLAN.
5. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK EXECUTED UNDER THE GUIDANCE OF ARCHITECT & E.S.E

SIGNATURE OF OWNER

CERTIFICATE OF ARCHITECT
THE L.S.A. HAS CERTIFIED ON THE PLANTITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF WEST BENGAL MUNICIPAL BLDG. RULES AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP TANK.

SIGNATURE OF ARCHITECT
RAJ KUMAR AGARWAL
COUNCIL REGISTRATION NO. CA94/17940
ADDRESS:
RAJ AGARWAL & ASSOCIATES
8B, ROYD STREET (2ND FLOOR), KOLKATA-16.

CERTIFICATE OF STRUCTURAL ENGINEER
THE STRUCTURAL DESIGN OF BOTH FOUNDATION & SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY THE CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER B.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT SOIL INVESTIGATION REPORT HAS BEEN DONE BY JISHNU PAL, EMPANELLED NO-G.T.032, 66, ANDUL ROAD, BAKULTALA, HOWRAH-711109. THE RECOMMENDATION OF SOIL REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

SIGNATURE OF STRUCTURAL ENGINEER
SANJIV. J. PAREKH
E.S.E. I (104),
ADDRESS:
34 RAMMOHAN DUTTA ROAD,
KOLKATA-20.

I/WE HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR CONSTRUCTION HAS BEEN VISITED BY ME/US AND ALL THE DESIGNS, DRAWINGS SPECIFY THE DRAWING NUMBER SERIALY, SOIL TEST REPORT AND LOAD TEST RESULTS FOR FOUNDATION AND SUPERSTRUCTURE HAVE BEEN DULY REVIEWED CONFORMING TO STIPULATIONS OF ALL LATEST RELEVANT IS CODE OF PRACTISE AND NATIONAL BUILDING CODE AND IT IS FOUND THAT EVERYTHING IS COMPLETELY IN ORDER AND THE PROPOSED FOUNDATION AND SUPER STRUCTURE ARE SAFE IN ALL RESPECT.

SIGNATURE OF STRUCTURAL REVIEWER
SANJIB GUHA,
E.S.R. (I/88) 9,
ADDRESS:
34 RAMMOHAN DUTTA ROAD,
KOLKATA-20.

PROJECT
REVISED G+H STORED (39.95 MT. HT.) OF TOWER-1&2, G+H STORED (33.85 MT. HT.) OF TOWER-3 RESIDENTIAL BUILDING AT L.R. DAG NOS.-4117 TO 4123, R.S. DAG NOS.-1707 TO 1713, 1718 & 1719, L.R. KHATAH NOS.-10790 TO 10795, 10796 TO 10800, 10802 TO 10805, 10806 IN MOUZA BHADRAKALI, J.L. NO.9, PREMISES NO.- 35B G.T. ROAD, UNDER P.S.-UTTARPARA, WITHIN UTTARPARA KOTRUNDI MUNICIPALITY, DISTRICT-HOOGHLY, WARD NO.-3.

TITLE
STRUCTURAL CORPORATION DRAWING
PILE & TIE BEAM LAYOUT, COLUMN SCHEDULE TOWER-1, 2 & 3

RAJ AGARWAL & ASSOCIATES
88, ROYD STREET, CALCUTTA - 16

STRUCTURAL CONSULTANT
S.P.A. CONSULTANTS
34 RAMMOHAN DUTTA ROAD
KOLKATA - 700020
PH. NO. - 2485-5445/5449, 2475-7514
E-mail: s.p.a. consulting@gmail.com

DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: 18.08.2024
JOB NO.: 2021/108/RAJAGARWAL/SPAT/UTTARPARA
C/DG NO.: 2021/108/RAJAGARWAL/SPAT/UTTARPARA/C-01

PILE & TIE BEAM LAYOUT