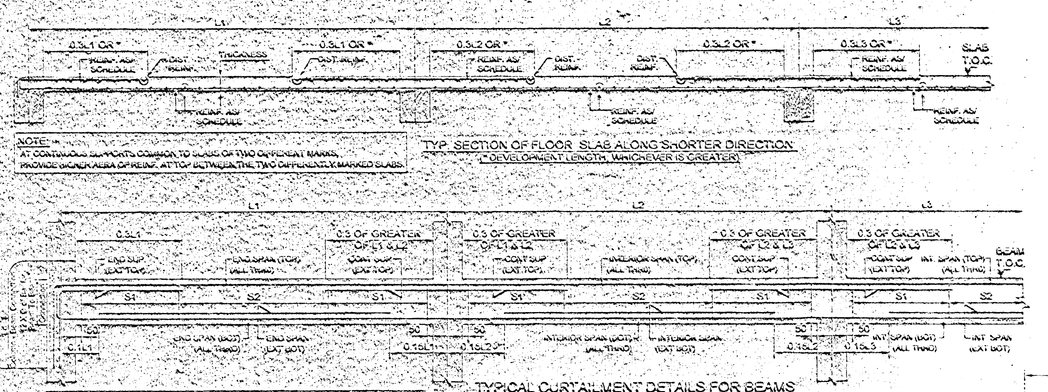
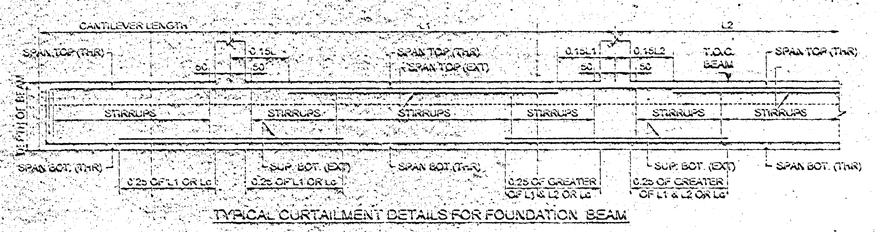
SCHEDULE OF COMBINED FOUNDATION BEAMS

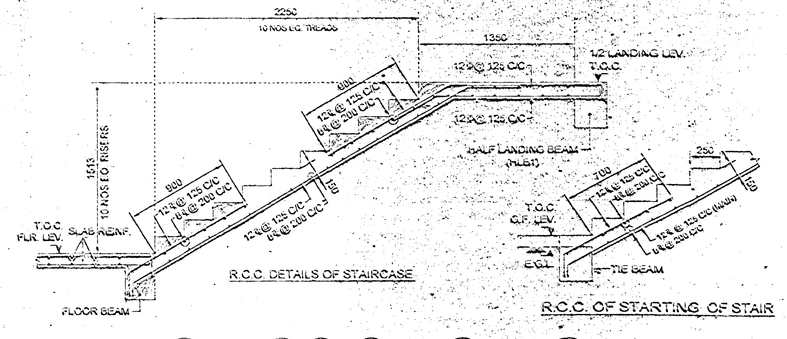
BEAM MKD.	SIZE WIDTH (mm)	SIZE DEPTH (mm)	REINFORCEMENT CANTILEVER TOP	CANTILEVER BOTT.	SPAN TOP	SPAN BOTT.	CONT. SUPP. TOP	CONT. SUPP. BOTT.	STIRRUPS SUPP.	STIRRUPS SPAN	STIRRUPS CANTI.
CB1	300	600	4-20φ	4-20φ	4-20φ	4-20φ	4-20φ	4-20φ	4L-10φ @ 125 CC	4L-10φ @ 125 CC	4L-10φ @ 125 CC
CB2	600	600	4-20φ	4-20φ	4-20φ	4-20φ	4-20φ	4-20φ	4L-10φ @ 125 CC	4L-10φ @ 125 CC	4L-10φ @ 125 CC





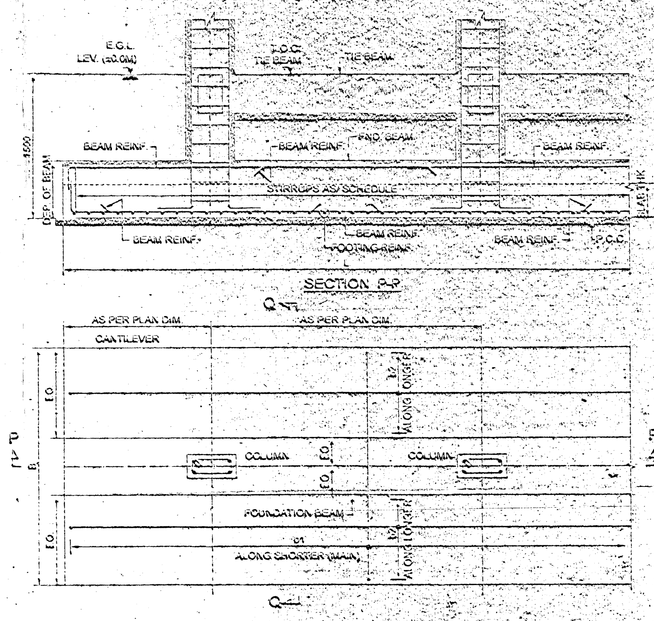
SCHEDULE OF COLUMNS

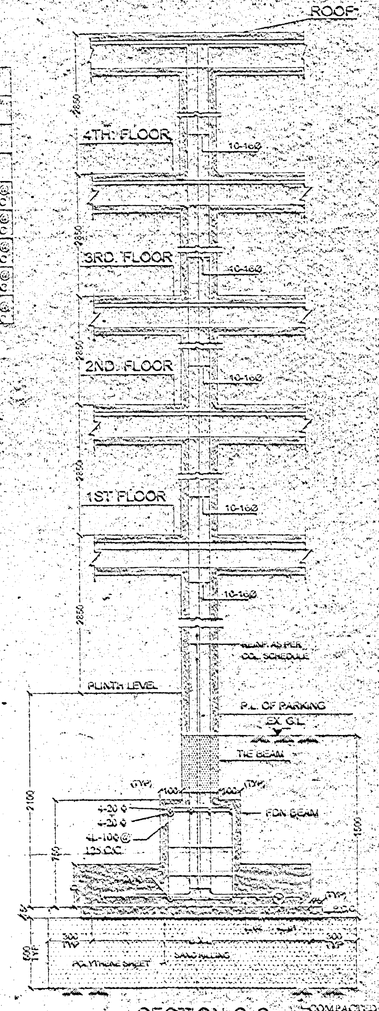
COL. MKD.	FROM FND. LEV. ROOF LEV.
C1	10-16φ 8ΦL1 INKS @ 300 CC (4 PER SET)
C2	12-16φ 8ΦL1 INKS @ 300 CC (4 PER SET)
C3	14-16φ 8ΦL1 INKS @ 300 CC (4 PER SET)



SCHEDULE OF THE BEAMS

BEAM MKD.	SIZE WIDTH (mm)	SIZE DEPTH (mm)	REINFORCEMENT END SUPP. TOP	END SUPP. BOTT.	SPAN TOP	SPAN BOTT.	CONT. SUPP. TOP	CONT. SUPP. BOTT.	STIRRUPS SUPP.	STIRRUPS SPAN
TB1	250	300	2-16φ 2-12φ	2-16φ	2-16φ 2-12φ	2-16φ 2-12φ	2-16φ 2-12φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
TB2	250	400	2-16φ 2-16φ	2-16φ	3-16φ 2-16φ	2-16φ 2-12φ	2-16φ 2-12φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
TB3	250	300	2-16φ 3-16φ	2-16φ	2-16φ	2-16φ 2-16φ	2-16φ 2-16φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
TB4	250	300	2-16φ 3-16φ	2-16φ	3-16φ	2-16φ 2-16φ	2-16φ 2-16φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
TB5	250	300	2-16φ 3-16φ	2-16φ	3-16φ	2-16φ 2-16φ	2-16φ	—	2L-8φ @ 125 CC	2L-8φ @ 150 CC





SCHEDULE OF STAIR

WAIST SLAB	MAIN REINF. TOP	MAIN REINF. BOTTOM
150 THK.	12φ@125 CC	12φ@125 CC

SCHEDULE OF SLABS

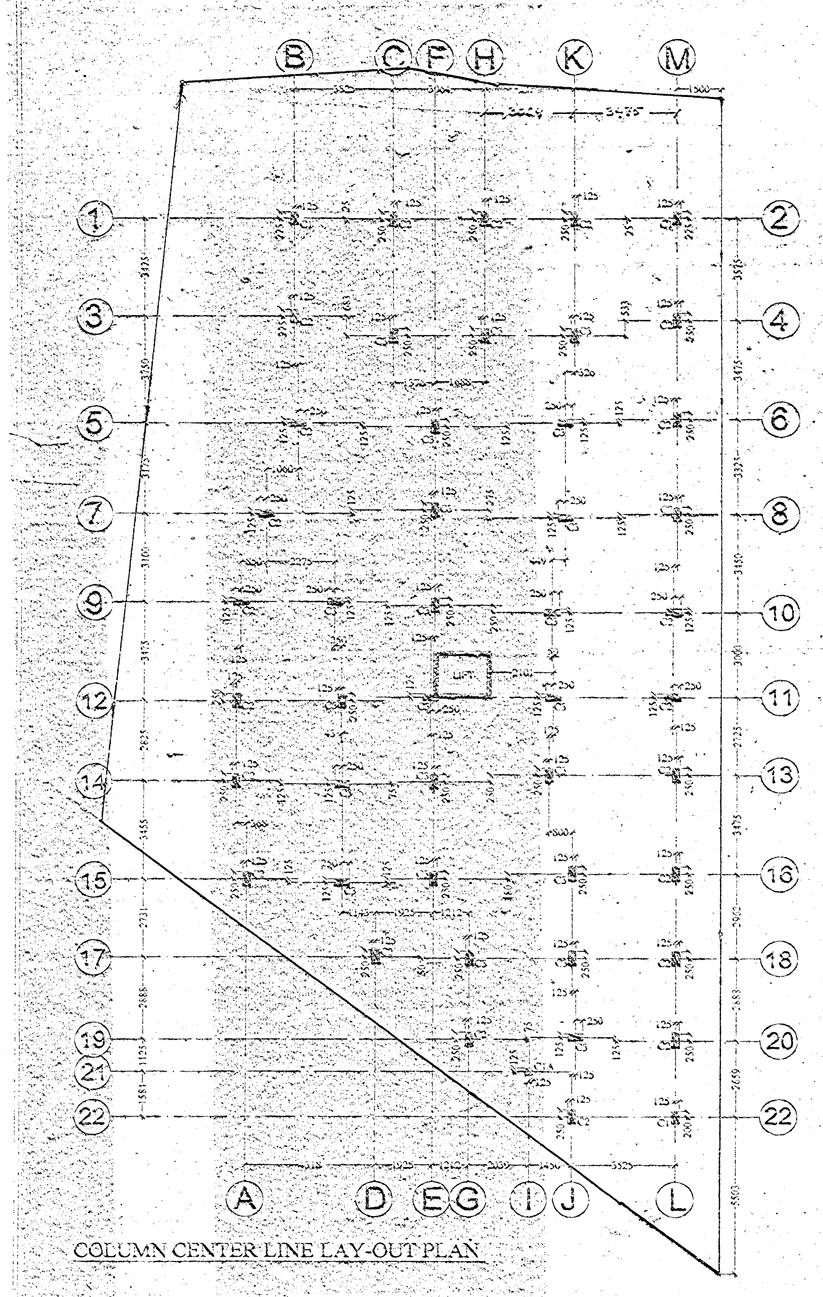
SLAB MKD.	SLAB THK. (mm)	REINFORCEMENT ALONG SHORTER DIRECTION DISCON. SUP. (TOP)	SPAN (BOTT.)	CONT. SUP. (TOP)	ALONG LONGER DIRECTION DISCON. SUP. (TOP)	SPAN (BOTT.)
S1	125	8φ@125 CC	8φ@125 CC	8φ@125 CC	8φ@125 CC	8φ@125 CC
S2	125	8φ@125 CC	8φ@125 CC	8φ@125 CC	8φ@125 CC	8φ@125 CC
S3	125	8φ@125 CC	8φ@125 CC	8φ@125 CC	8φ@125 CC	8φ@125 CC

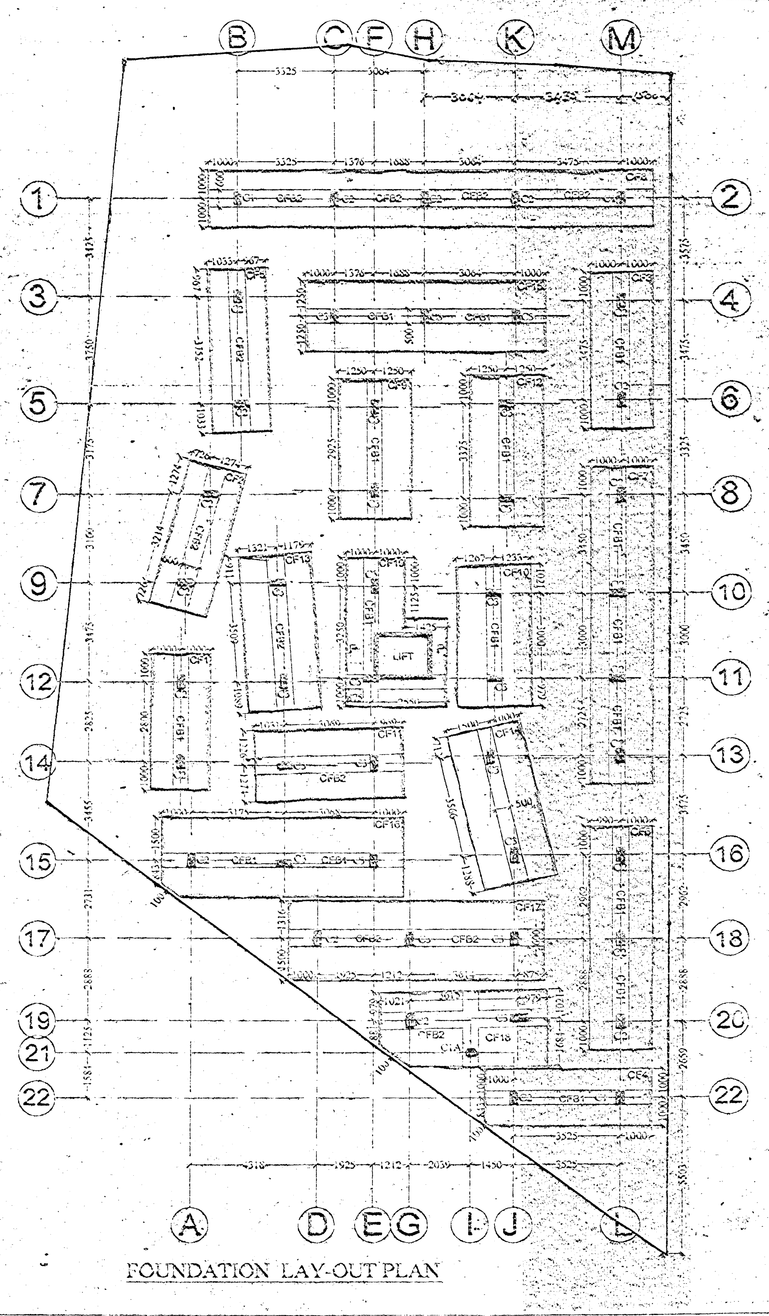
SCHEDULE OF COMBINED FOOTINGS

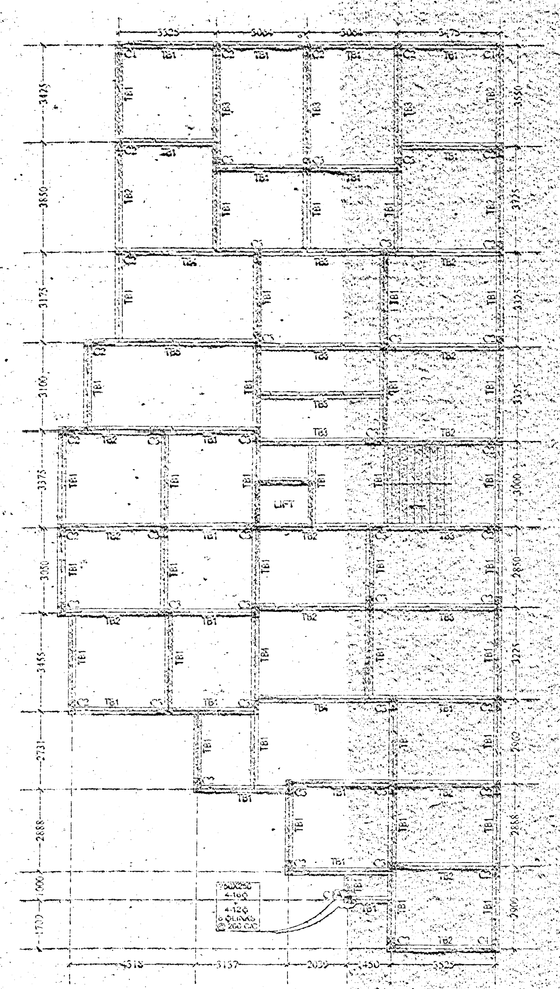
FTG. TYPE	FND. DEPTH	FOOTING SIZE A (mm)	FOOTING SIZE B (mm)	FOOTING SLAB THICKNESS (D1) (mm)	(D2) (mm)	FOOTING REINFORCEMENT BOTTOM (along Long. Dir.)	(along Short. Dir.)
CF1	1500	5500X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF2	1500	5214X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF3	1500	5475X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF4	1500	5625X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF5	1500	5750X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF6	1500	7550X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF7	1500	11175X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF8	1500	14627X2000	400			10φ @ 150 CC	12φ @ 150 CC
CF9	1500	4625X2500	400			10φ @ 150 CC	12φ @ 150 CC
CF10	1500	5000X2500	400			10φ @ 150 CC	12φ @ 150 CC
CF11	1500	5088X2500	400			10φ @ 150 CC	12φ @ 150 CC
CF12	1500	5325X2500	400			10φ @ 150 CC	12φ @ 150 CC
CF13	1500	5508X2500	400			10φ @ 150 CC	12φ @ 150 CC
CF14	1500	5666X2500	400			10φ @ 150 CC	12φ @ 150 CC
CF15	1500	6127X2500	400			10φ @ 150 CC	12φ @ 150 CC
CF16	1500	6243X2616	400			10φ @ 150 CC	12φ @ 150 CC
CF17	1500	6626X2616	400			10φ @ 150 CC	10φ @ 150 CC
CF18	1500	AS PER DWG.	400			10φ @ 150 CC	10φ @ 150 CC
CF19	1500	AS PER DWG.	400			10φ @ 150 CC	10φ @ 150 CC

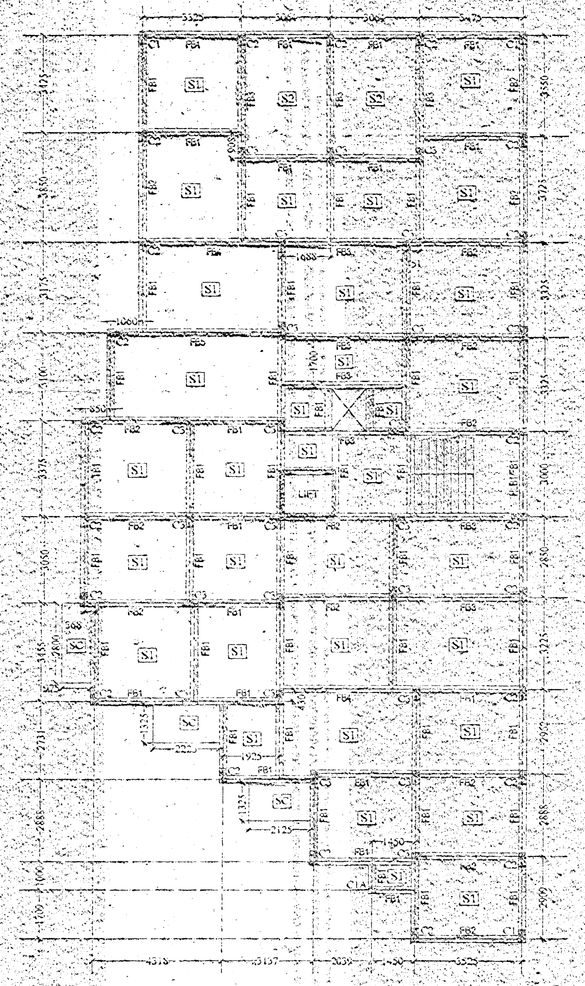
SCHEDULE OF FLOOR & ROOF BEAMS

BEAM MKD.	SIZE WIDTH (mm)	SIZE DEPTH (mm)	REINFORCEMENT END SUPP. TOP	END SUPP. BOTT.	SPAN TOP	SPAN BOTT.	CONT. SUPP. TOP	CONT. SUPP. BOTT.	STIRRUPS SUPP.	STIRRUPS SPAN
FB1	250	300	2-16φ 3-16φ	2-16φ	2-16φ 2-12φ	2-16φ 2-12φ	2-16φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
FB2	250	300	2-16φ 3-16φ	3-16φ	3-16φ	2-16φ 2-12φ	2-16φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
FB3	250	300	2-16φ 3-16φ	2-16φ	2-16φ	2-16φ 3-16φ	2-16φ 3-16φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
FB4	250	300	2-16φ 3-16φ	3-16φ	3-16φ	2-16φ 3-16φ	2-16φ 3-16φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC
FB5	250	300	2-16φ 3-16φ	3-16φ	2-16φ	2-16φ 3-16φ	2-16φ 3-16φ	—	2L-8φ @ 125 CC	2L-8φ @ 150 CC
FB6	250	300	2-16φ 3-16φ	3-16φ	2-16φ	2-16φ 3-16φ	2-16φ 3-16φ	2-16φ	2L-8φ @ 125 CC	2L-8φ @ 150 CC









PROPOSED (G+4) STORIED RESIDENTIAL CUM COMMERCIAL BUILDING PLAN AT R.S. DAG NO.5453 (L.R. DAG NO. 19753), R.S. KHATIAN NO.- 3038, J.L. NO. 14, MOUZA- BALLY, UNDER SAPUIPARA BASUKATHI GRAM PANCHAYET, P.S. NISCHINDA, DIST.-HOWRAH.

NAME OF OWNER :- M/S TATANAGAR FOUNDRY L.L.P.

SCALE :- 1 : 100 - FLOORPLAN, SECTION, FLOOR PLANS, & ROOF PLAN, LAYOUT PLAN
1 : 20 - FOUNDATION OF COLUMN, BROKEN WALL
1 : 50 - SEPTIC TANK

CERTIFIED THAT THE SITE CONDITION, INCLUDING THE WIDTH OF ABUTING ROAD CONFIRM WITH PLAN AND THAT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK. THE PLOT IS BORDERED BOUNDARY WALL. THE WIDTH OF ROAD IS 5.211 M.

M/S. SUDEGATA PAL
L.A.S. Licensed (Civil) Surveyor
Class-I, Empanelled No. 03
CO/A, Dt. C. K. Chowk Road,
P.O.- Bally, Dt. Howrah

SIGNATURE OF L.A.S.

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING HAS BEEN MADE BY CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

Bijan Sundar Bindu
B.E. (Civil), M.I.E.S.
Registered Structural Engineer
Howrah Municipal Corporation
Reg. No. - 1/207

SIGN. OF STRUCTURAL ENGINEER

Tatanagar Foundry Company LLP
Partner

SIGN. OF OWNER