

COLOUR INDEX SCALE 1 : 150

PROPOSED

ALL DIMENSIONS ARE IN METRE

STRUCTURAL ENGINEER

REGISTERED ENGINEER

APPLICANT SIGNATURE



Diagram of the Proposed ATFD Shed showing dimensions: 9.23, 7.00, 4.00, and 17.50. The shed is labeled "ATFD SHED" and "65".

SECTION A-A

ROOF SHEET
STEEL PORTAL
STEEL PURLIN
ROOF MONITOR
FLASHING
EAVES HT
6.0M FROM F.F.L.
7.39
6.00
12.45
18.95
18.15
11.30
17.35
F.F.L.
63G
63A
63B
63D
63E

SECTION B-B

EXISTING FACTORY
PROPOSED BAY PHASE-I
STEEL COLUMN
CLADDING SHEET
LINTEL BEAM CUM SUNSHADE
WINDOW
PLINTH BEAM
GUTTER
TUBE MILL
ACCUMULATOR EXTENSION
LEAN TO SHED (EAVES HT 6M)

Architectural drawings of the New Extension Substation 63H. The drawings include a plan view, a section view (SECTION - ZZ 63L), an elevation view (ELEVATION 63L), a section view (SECTION - WW SUBSTATION 63H), and an elevation view (ELEVATION 63H). The plan view shows a rectangular building with a central corridor and two rooms labeled 'COMPRESSOR ROOM' and 'ELECTRIC CONTROL ROOM'. The section views show the internal structure and roof profile. The elevation views show the exterior facade with windows and doors. Dimensions are provided for all views.

5.50

7.70

14.05

7.70

6.30

00.92

GROUND FLOOR PLAN

631

3.19
2.90 0.28
SECTION - V V
631
4.02
GAS PLANT
COOLING TOWER
3.00
FURNACE GAS PLANT
HOT SLUMP-91m
3.00
ELEVATION

SECTIONAL ELEVATION

COOLING TOWER 63J

NEW 1000 W INJECTION TOWER EXISTING MACHINE COOLING TOWER

FURNACE COLD SUMP 132m³

FURNACE COLD SUMP 144 m³

11.67

20.00

5.00

10.00

GROUND FLOOR PLAN COOLING TOWER

21.67

12.00

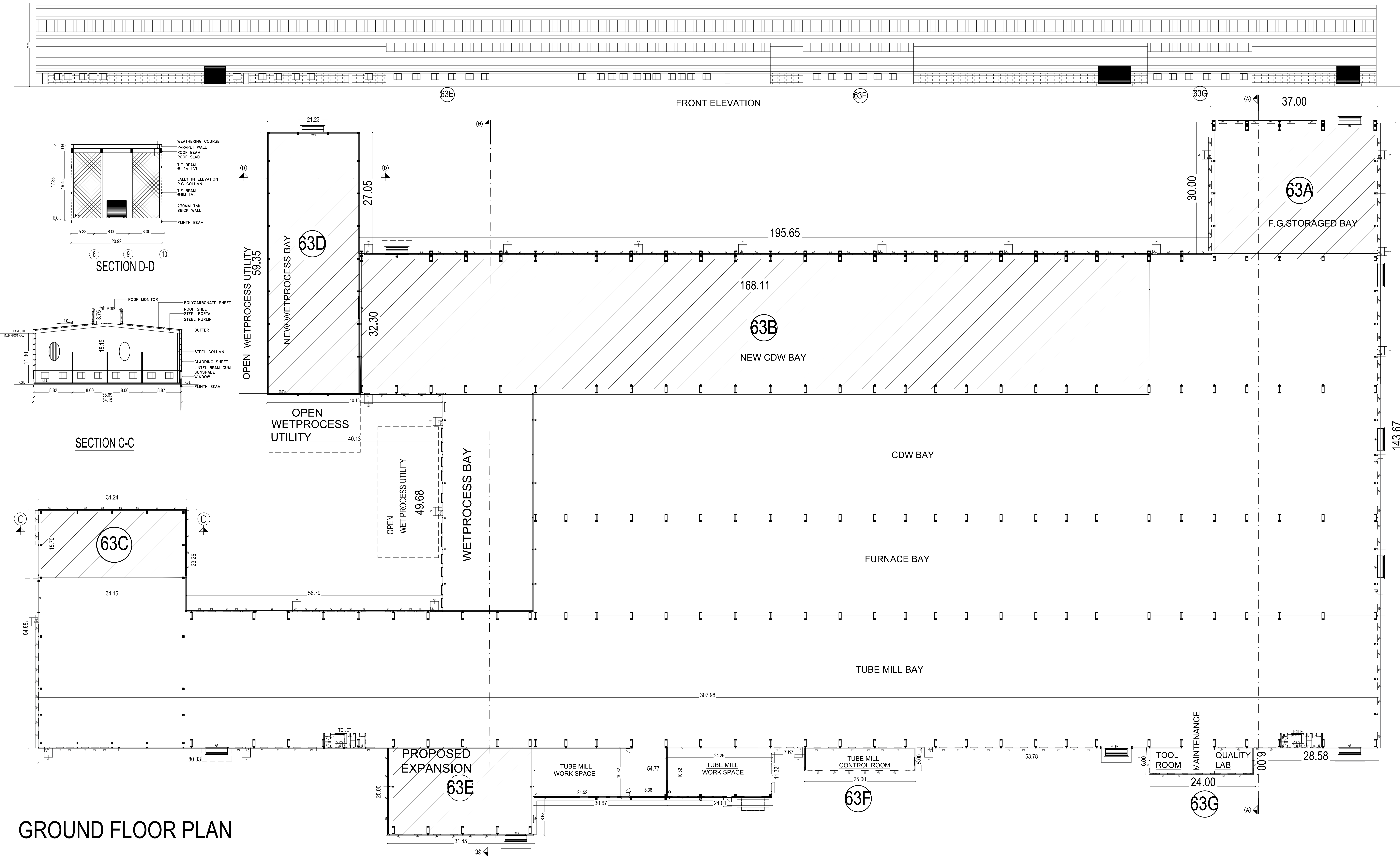
FURNACE COLD SUMP 132m³

FURNACE HOT SUMP 144m³

NEW 1000 W INJECTION TOWER EXISTING MACHINE COOLING TOWER

7.00

SECTIONAL ELEVATION
63K



PLAN SHOWING THE NEW PROPOSAL AND ADDITIONAL CONSTRUCTION TO THE ALREADY APPROVED INDUSTRIAL BUILDINGS OF M/s TUBE INVESMENT OF INDIA LTD AT S.No. 149/2A, 2B, 3, 4A, 4B, 5, S.No. 150/2A2, 2B1, 3B, 4, S.No. 151/6, 7, S.No. 152/1, 10, 11, 2, 3, 4, 5, 6, 7, 8, 9, S.No.161/7B, 8, S No. 162/1B, 1C2, 2, 3, 4, 5, 6, 7, S.No. 163/1, 2, 3A, 3B, 4, 5, 6, S.No. 164/1, 2, 3, 4A, 4B, 5A, 5B, 6, 7, 8, 9, S.No. 165/1, 2, 3, 4, 5, 6, 7, 8, 9,10, 11, 12, S.No. 166/1A, 1B, 2, 3, 4, S No. 167/1, 2, S No. 172/1A, S.No.173/1, SNo.174/1, 2, 3, 4, 5, S.No. 175/6, S No. 176/11, 12B, S.No.177/1, 2, 3, 4, 5, 6, 7, 8A, 8B, 9,10, S.No.178/1, 2, 3, 4, 5, 6, 7, 8, 9, 10,11,12,13,14,15,16,17,18,19,20, S.No. 179/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, S.No. 180/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, S No. 181/1, 2, 3, 4, 5, 6, 7, 8, 9,10, 11, 12, S No. 182/1, 2, 3, 4, 5, 6, 7, 8, 9,10, 11, 12, 13, S No. 183/7B, 8, S No. 185/10, 11, 12 AT PONPADI VILLAGE, THIRUTHANI TALUK, THIRUVALLUR DISTRICT, TAMILNADU.

INDUSTRIAL BUILDING TYPE : GROUP G SUBDIVISION
G2 MODERATE HAZARDS BUILDING - INDUSTRIAL
CHAINS MANUFACTURING & STEEL TUBES
MANUFACTURING

- SPECIFICATION:-**
- FOUNDATION :** COLUMN FOOTING WITH PLINTH BEAM
 - FRAME :** R.C.C & STEEL COLUMN , BEAMS AND SLABS
 - BRICK WORK :** C.M 1:5 FOR SUPER STRUCTURE
 - PLASTERING :** C.M 1:5 FOR WALLS & 1:3 FOR CEILING
 - CEMENT PAINT :** 2 COATS FOR WALLS & 1 EXTRA COAT FOR CEILING
1:2:4 FOR SLABS & LINTELS
 - WOOD WORK :** ALL WOOD WORKS IN BEST QUALITY TIMBER
 - WEATHERING :** B.JELLY LIME MORTAR OVER ROOF
SLAB ONE LAYER OF COUNTRY TILES

COLOUR INDEX	SCALE 1 : 250
PROPOSED	
EXISTING	
ALL DIMENSIONS ARE IN METRE	

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REGISTERED ENGINEER

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AVADI, CHENNAI-600 054.

APPLICANT SIGNATURE

PLAN SHOWING THE NEW PROPOSAL AND ADDITIONAL CONSTRUCTION TO THE ALREADY APPROVED INDUSTRIAL BUILDINGS OF M/s TUBE INVESTMENT OF INDIA LTD AT S.No. 149/2A, 2B, 3, 4A, 4B, 5, S.No. 150/2A2, 2B1, 3B, 4, S.No. 151/6, 7, S.No. 152/1, 10, 11, 2, 3, 4, 5, 6, 7, 8, 9, S.No. 161/7B, 8, S.No. 162/1B, 1C2, 2, 3, 4, 5, 6, 7, S.No. 163/1, 2, 3A, 3B, 4, 5, 6, S.No. 164/1, 2, 3, 4A, 4B, 5A, 5B, 6, 7, 8, 9, S.No. 165/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, S.No. 166/1A, 1B, 2, 3, 4, S.No. 167/1, 2, S.No. 172/1A, S.No. 173/1, S.No. 174/1, 2, 3, 4, 5, S.No. 175/6, S.No. 176/11, 12B, S.No. 177/1, 2, 3, 4, 5, 6, 7, 8A, 8B, 9, 10, S.No. 178/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, S.No. 179/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, S.No. 180/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, S.No. 181/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, S.No. 182/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, S.No. 183/7B, 8, S.No. 185/10, 11, 12 AT PONPADI VILLAGE, THIRUTHANI TALUK, THIRUVALLUR DISTRICT, TAMILNADU.

INDUSTRIAL BUILDING TYPE : GROUP G SUBDIVISION G2 MODERATE HAZARDS BUILDING - INDUSTRIAL CHAINS MANUFACTURING & STEEL TUBES MANUFACTURING

- APPROVED BY THE CHENGALPATTU REGION 12/16/2013 WIDE LETTER NUMBER DATED 14.06.2013
- ADDITIONAL BUILDING APPROVED BY DTCP CHENNAI - 2 NA KA NO : 6407/2018 WIDE LETTER NUMBER DATED 06.12.2018 PLANNING PERMIT NO : 304/2018
- ADDITIONAL BUILDING APPROVED BY DTCP CHENNAI - 2 NA KA NO : 1208/2022 WIDE LETTER NUMBER DATED 12.08.2022 PLANNING PERMIT NO : 52/2022

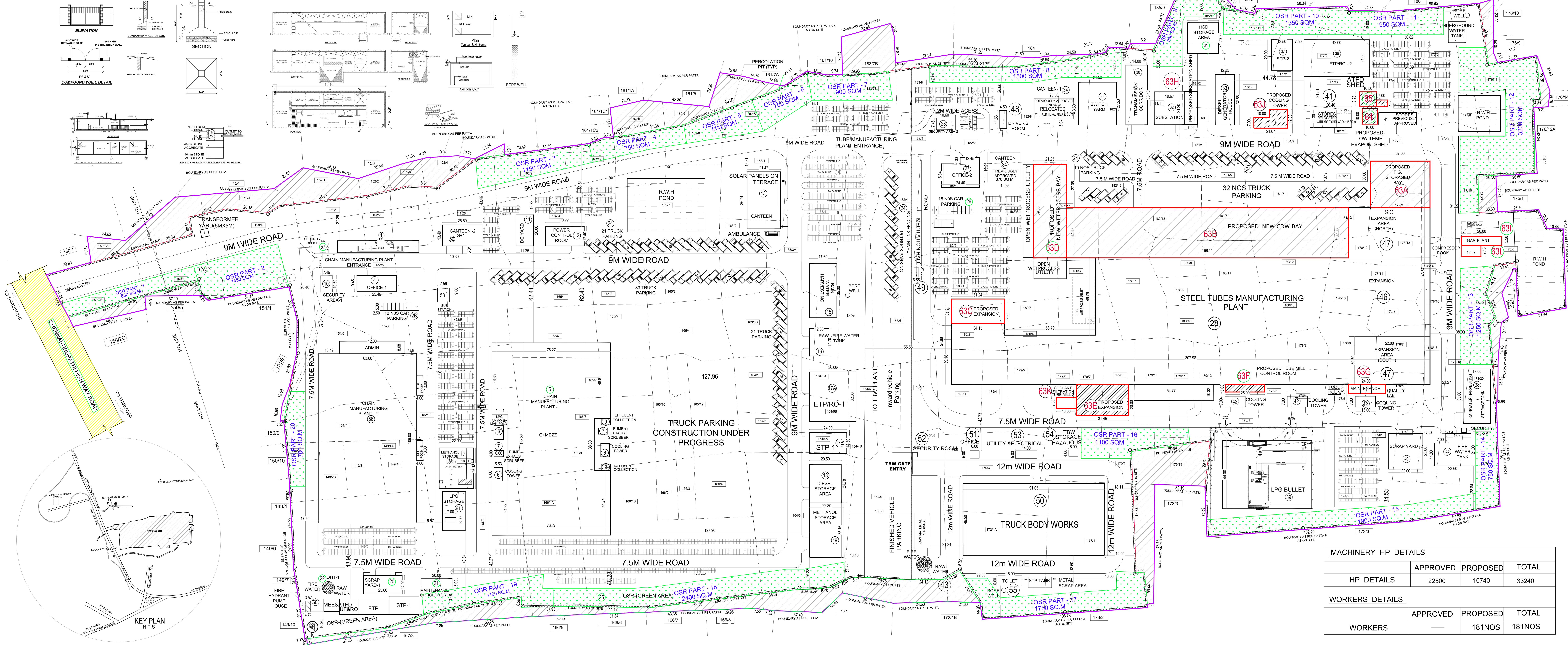
SPECIFICATION
FOUNDATION : COLUMN FOOTING WITH PLINTH BEAM
FRAME : R.C.C & STEEL COLUMN, BEAMS AND SLABS
BRICK WORK : C.M-1.5 FOR SUPER STRUCTURE
PLASTERING : C.M-1.5 FOR WALLS & 1:3 FOR CEILING
CEMENT PAINT : 2 COATS FOR WALLS & 1 EXTRA COAT FOR CEILING
WOOD WORK : 1:2.4 FOR SLABS & LINTELS
WEATHERING : BUELLY LINE MORTAR OVER ROOF
SLAB ONE LAYER OF COUNTRY TILES

COLOUR INDEX
PROPOSED
EXISTING
BOUNDARY
ROAD
SCALE 1 : 600
ALL DIMENSIONS ARE IN METRE

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MURALI K
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APPLICANT SIGNATURE



AREA STATEMENT		Sheet No: 1/3		
SITE EXTENT AS PER DOC = 254968.40 SQ.M				
SITE EXTENT AS PER PATTA = 252750.00 SQ.M				
SUPER IMPOSED SITE AREA = 238161.09 SQ.M				
OSR PROVIDED = 25500.00 SQ.M				
BUILDING NO.	ALREADY APPROVED BUILDING NAME	ALREADY APPROVED		
		FSI AREA IN SQM	NON FSI AREA SQM	
1	WEIGH BRIDGE	---	98.00	
2A	VISITORS TWO WHEELER PARKING	---	---	
2B	CAR PARKING	---	---	
4	OFFICE-1	532.00	---	
5	CHAIN MANUFACTURING PLANT	9327.00	---	
6	COOLING TOWER	---	96.00	
7	FUME EXHAUST SCRUBBER	---	48.00	
8	LPG/METHANOL MANIFOLD	---	54.00	
9	EFFLUENT COLLECTION PIT	---	48.00	
10	SECURITY AREA-1	79.00	---	
11	DG YARD	---	225.00	
12	POWER CONTROL ROOM	310.00	---	
13	CANTEN	787.00	---	
14	TWO WHEELER PARKING	---	---	
15	RAIN WATER HARVESTING	---	616.00	
16	RAW WATER & FIRE WATER TANK(350 CU.M EACH)	---	273.00	
17A	ETP/RO-1	---	960.00	
17B	STP-1	---	324.00	
18	DIESEL STORAGE AREA	---	508.00	
19	METHANOL STORAGE AREA	---	784.00	
20	SCRAP YARD-1	---	300.00	
21	MAINTENANCE OFFICE/STORES	120.00	---	
22	OVER HEAD TANK (RAW WATER -15KLD,FIRE -20KLD)	32.00	18.00	
23	SECURITY AREA-2	79.00	---	
24	TRUCK PARKING	---	---	
25	TWO WHEELER PARKING	---	---	
26	CAR PARKING	---	---	
27	OFFICE-2	424.00	---	
28	STEEL TUBES MANUFACTURING PLANT	17333.00	---	
29	SWITCH YARD	---	1837.00	
30	TRANSMISSION CORRIDOR	538.00	---	
31	HSD STORAGE AREA	---	400.00	
32	SUB STATION	417.00	---	
33	DIESEL GENERATOR HOUSE	402.00	---	
34	CANTEN	688.00	---	
35	UTILITY WATER TANK-2	60.00	74.00	
36	ETP/RO-2	---	1008.00	
37	STP-2	---	270.00	
38	RAIN WATER HARVESTING	---	616.00	
39	LPG BULLET	---	2530.00	
40	SCRAP YARD-2	---	506.00	
41	STORES	299.00	---	
42	COOLING TOWER	---	273.00	
43	OVER HEAD TANK-2(RAW -260KLD,FIRE WATER-20KLD)	32.00	46.00	
44	FIRE WATER TANK	---	452.00	
45	UTILITY WATER TANK-1	60.00	74.00	
46	EXPANSION BUILDING	2751.80	---	
47	STEEL TUBES MANUFACTURING PLANT EXPANSION BUILDING (NORTH & SOUTH 2NOS)	3192.80	---	
48	DRIVERS ROOM	52.00	---	
49	TEMPLE	76.00	---	
50	TRUCK BODY WORKS MAIN BUILDING	4307.33	---	
51	TRUCK BODY WORKS OFFICE	30.00	---	
52	TRUCK BODY WORKS SECURITY	7.00	---	
53	TRUCK BODY WORKS UTILITY	70.00	---	
54	TRUCK BODY WORKS HAZARDOUS STORAGE AREA	24.00	---	
55	TRUCK BODY WORKS TOILET	90.00	---	
56	CHAIN MANUFACTURING PLANT -2	7753.88	---	
57	SECURITY OFFICE	24.00	---	
58	SUB STATION	68.04	---	
59	CANTEN BUILDING G+1 FLOORS	688.00	---	
60	FIRE HYDRANT	---	25.00	
61	LPG STORAGE	---	21.00	
62	METHANOL STORAGE	---	576.00	
ALREADY APPROVED TOTAL		50653.95	13010.10	
PROPOSED BUILDING NAME		PROPOSED		
		FSI AREA IN SQM	NON FSI AREA SQM	
63A	EXPANSION BUILDING (FG STORAGE)	---	1110.00	
63B	EXPANSION BUILDING (NEW CDW BAY)	---	5430.00	
63C	EXPANSION BUILDING(NEW EXTENSION SLITTER BAY)	---	490.50	
63D	EXPANSION BUILDING(NEW WET PROCESS BAY)	---	1280.00	
63E	EXPANSION BUILDING (NEW EXTENSION TUBE MILL BAY)	---	629.00	
63F	TUBE MILL CONTROL ROOM	---	125.00	
63G	MAINTENANCE, TOOL ROOM,QUALITY LAB	---	144.00	
63H	SUBSTATION SHED	---	169.30	
63I	GAS PLANT SHED	---	143.00	
63J	COOLING TOWER	---	210.00	
63K	COOLANT FILTRATION	---	91.00	
63L	COMPRESSOR SHED	---	90.00	
64	LOW TEMPERATURE EVAPORATOR SHED	---	100.00	
65	ATPD SHED	---	124.90	
TOTAL PROPOSED		10116.70	---	
GRAND TOTAL = 50653.95 + 10116.70 = 60770.65				
FSI = 60770.65 / 238161.09 = 0.26				
PARKING DETAILS				
DETAILS		APPROVED	PROPOSED	TOTAL
LORRY PARKING		112 NOS	20 NOS	132 NOS
CAR PARKING		20 NOS	5 NOS	25 NOS
TWO WHEELER PARKING		2028 NOS	400 NOS	2428 NOS
BICYCLE PARKING		2028 NOS	400 NOS	2428 NOS

MACHINERY HP DETAILS			
HP DETAILS	APPROVED	PROPOSED	TOTAL
HP DETAILS	22500	10740	33240
WORKERS DETAILS			
WORKERS	APPROVED	PROPOSED	TOTAL
WORKERS	—	181NOS	181NOS