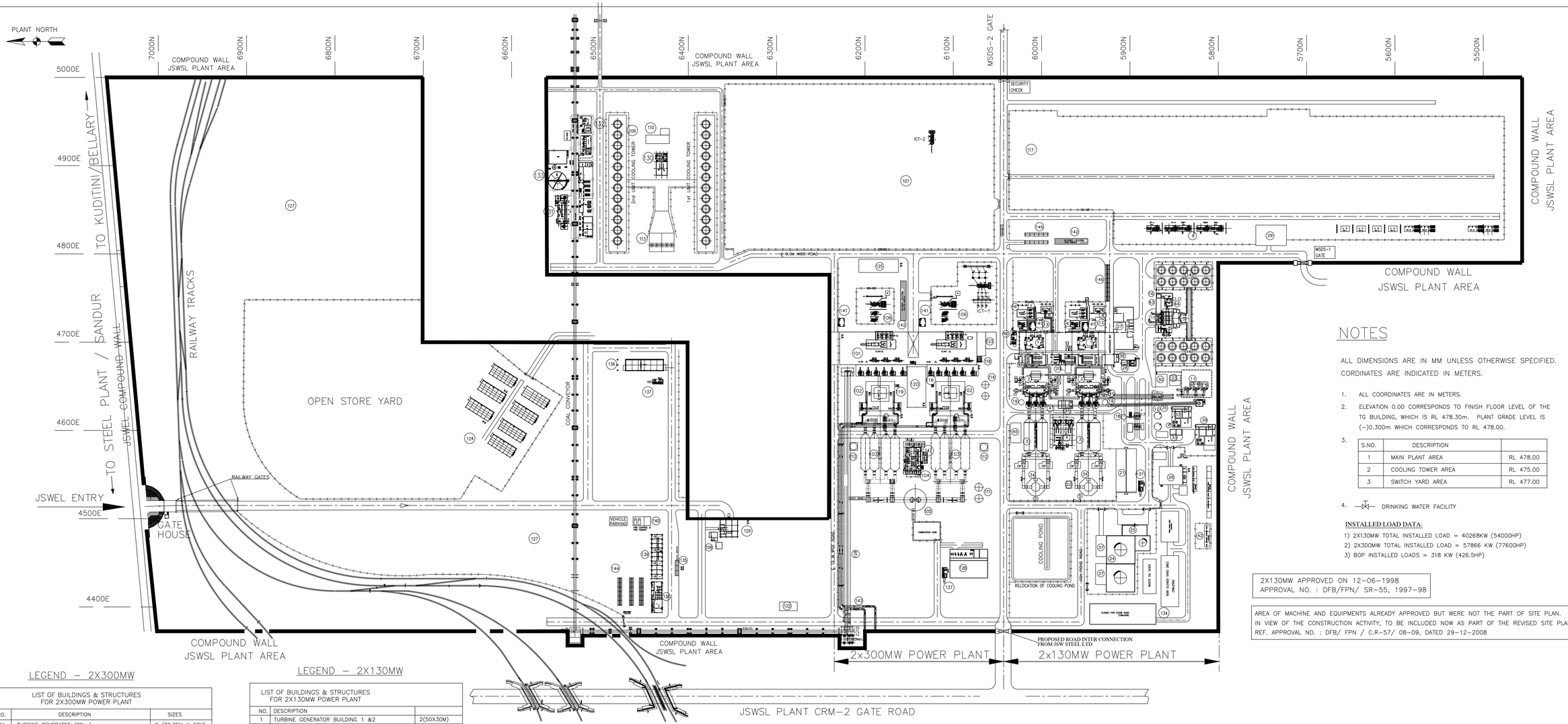

NOTES

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
CORDINATES ARE INDICATED IN METERS.

1. ALL COORDINATES ARE IN METERS.
2. ELEVATION 0.00 CORRESPONDS TO FINISH FLOOR LEVEL OF THE TG BUILDING, WHICH IS RL 478.30m. PLANT GRADE LEVEL IS (−)0.300m WHICH CORRESPONDS TO RL 478.00.
3.

S.NO.	DESCRIPTION	
1	MAIN PLANT AREA	RL 478.00
2	COOLING TOWER AREA	RL 475.00
3	SWITCH YARD AREA	RL 477.00

4. DRINKING WATER FACILITY

INSTALLED LOAD DATA:

1) 2X130MW TOTAL INSTALLED LOAD = 40268KW (54000HP)
2) 2X300MW TOTAL INSTALLED LOAD = 57866 KW (77600HP)
3) BOP INSTALLED LOADS = 318 KW (426.5HP)

2X130MW APPROVED ON 12−06−1998
APPROVAL NO. : DFB/FPN/ SR−55, 1997−98

AREA OF MACHINE AND EQUIPMENTS ALREADY APPROVED BUT WERE NOT THE PART OF SITE PLAN. IN VIEW OF THE CONSTRUCTION ACTIVITY, TO BE INCLUDED NOW AS PART OF THE REVISED SITE PLAN REF. APPROVAL NO. : DFB/ FPN / C.R−57/ 08−09, DATED 29−12−2008

LEGEND − 2X300MW

LIST OF BUILDINGS & STRUCTURES FOR 2X300MW POWER PLANT

NO.	DESCRIPTION	SIZES
101	TURBINE GENERATOR (2Nos)	2 (72.75M X 37M)
102	BOILERS (2Nos)	2 (18M X 20M)
103	ELECTRO STATIC PRECIPITATOR (2Nos)	2 (43M X 40M)
104	E.S.P. ELECTRICAL CONTROL ROOM	21.5M X 15M
105	CHIMNEY	27M Dia.
106	TRANSFORMER YARD	2 (40M X 30M)
107	400 kV SWITCH YARD	250M X 200M
108	SECURITY OFFICE	12M X 10M
109	INDUCED DRAFT COOLING TOWER −1 & 2	150M X 18M
110	C.W TREATMENT PLANT	15M X 15M
111	FLY ASH STORAGE SILOS (2Nos)	10M Dia.
112	BOTTOM ASH STORAGE SILO (2Nos)	9M dia
113	C.W PUMP HOUSE	15M X 50M
114	CONDENSATE STORAGE TANK (2Nos)	10M Dia.
117	220 kV SWITCH YARD	560M X 130M
118	TURBINE BUILDING ELEVATOR (21M HEIGHT)	6M X 4M
119	BOILER ELEVATOR (64M HEIGHT)	6M X 4M (2No's)
120	CONTROL BUILDING	40M X 20M
122	LABOUR REST ROOM	20M X 6M
123	DG HOUSE	12M X 18M
124	STORAGE SHEDS	30M X 12M
125	SWITCH YARD CONTROL ROOM 400KV	25M X 17M
126	FIRE PUMP HOUSE	32M X 7.5M
127	GREEN BELT	
128	COAL CONVEYOR	300M X 6M
129	OCCUPATIONAL HEALTH CENTER (FIRST AID)	20M X 20M
130	FIRE PUMP HOUSE FOR COAL HANDLING PLANT	25M X 12M
131	MCC ROOM FOR COAL HANDLING PLANT	40M X 14M
132	ELECTROCHLORINATION PLANT	20M X 12M
133	RO PLANT	115M X 50M
134	STORAGE SHED (CLOSED)	75M X 20M

LEGEND − 2X130MW

LIST OF BUILDINGS & STRUCTURES FOR 2X130MW POWER PLANT

NO.	DESCRIPTION	
1	TURBINE GENERATOR BUILDING 1 &2	2(50X30M)
2	BOILER−1 & 2	2(10X10M)
3	ELECTRO STATIC PRECIPITATOR 1 & 2	2(30X25M)
4	E.S.P. ELECTRICAL CONTROL ROOM	25X20M
5	CHIMNEY 115M HEIGHT−1 & 2	10M DIA.
6	UNIT AUX. TRANSFORMER (1+1No)	4MX6M
7	GENERATOR TRANSFORMER (1+1No)	7MX6M
8	STATION TRANSFORMERS (1+1No)	6MX6M
9	STATION TRANSFORMERS #3 & 4	25X17M
10	COREX GAS DUCT	
11	COREX GAS BLOWER AREA	20X15M
12	DM STORAGE TANK 8M DIA.	2Nos
13	AIR WASHER 1 & 2	20X12M
14	COOLING TOWER 1 & 2	60X25M
15	CIRC. WATER PUMP HOUSE	20X15M
16	ELECTROCHLORINATION PLANT	15X10M
17	FLY ASH STORAGE SILO 6M DIA.	1+1No
18	BOTTOM ASH STORAGE BIN 6M DIA.	1No
19	COAL DUST SILO	2 No's
20	ELEVATOR FOR BOILER 47M HEIGHT	5X4M
21	STATION SETTLING BASIN	40X20M
22	COMPRESSOR HOUSE	12X7.5M
23	FIRE WATER PUMP HOUSE	25X15M
24	FUEL OIL STORAGE TANK 10M+10M & 8M DIA	1+1+1No
25	FUEL OIL UNLOADING FACILITIES	25X12M
26	WARE HOUSE (2 Closed+1 Semiclosed)(35X20M)(50X20M)(25X20M)	
27	SERVICE BUILDING (CANTEEN & WORK SHOP)	45X20M
28	DG SET 2Nos	6X5M
29	SWITCH YARD CONTROL ROOM	30X25M
30	FIRE PUMP HOUSE	25X15M
31	BOTTOM ASH SUMP	15X12M
32	WATER TREATMENT AREA & ELE. COTROL ROOM	12X10M
33	REGENERATION WASTE NEUTRALIZATION PIT	16X7M
34	STACK MONITORING INSTRUMENT ROOM	7X5M
35	COAL CONVEYOR	
36	ELEVATOR FOR T.G. BUILDING 22M HEIGHT	5X4M
37	FUEL OIL PUMPING FACILITIES	20X10M (2No's)
39	2X300MW WATER TREATMENT PLANT	22X25M
40	COMPRESSOR SHED	12.5X6.5M
41	COAL MILL	10X10M
42	GAS CYLINDER STORAGE SHED	20X10M
43	ACID STORAGE TANK	3X3M
44	SIDE STREAM FILTER	6X3M
45	WORK SHOP	25X10M

LEGEND

LIST OF BUILDINGS & STRUCTURES − ADDITION

NO.	DESCRIPTION	AREA
135	WEIGH BRIDGE−100TON CAPACITY	18MX4M
136	MAINTENANCE SHED	42MX12M
137	TOILET	12MX5M−3Nos
138	CANTEEN BUILDING	35MX12M
139	CONTRACTORS OFFICE BLOCK	50MX12M
140	FIRE TENDER BUILDING	20MX10M
141	H2 AND CO2 ROOM	6MX4MX4Nos
142	REEDBED SYSTEM − (295+288SQM)	580.0 SQM
143	BFG GAS PIPE LINE WITH STRUCTURE 1800MM DIA	2 PIPE LINES
144	VEHICLE PARKING	30MX5M (3Nos)
145	VEHICLE PARKING	24MX4M (2Nos)
146	VEHICLE PARKING	40MX6M
147	VFD ROOM FOR ID FAN	12MX4.5M−1No

JSW	JSW ENERGY LIMITED. VILLAGE & P.O. TORANAGALLU, DIST. BELLARY−583123, KARNATAKA, INDIA, TEL.: 08395−250767, FAX: 08395−250757
DRAWING No.	JSWEL/PP/AO/SK−001
TITLE: SCALE − 1:2000	SITE PLAN OF JSW ENERGY LTD. INCLUSIVE OF 2X130 AND 2X300MW
REV.	R4