

 - NON RETURN VALVE
 - BUTTERFLY VALVE
 - 3 WAY GAUGE COCK
 - BALL VALVE

○ FIELD INSTRUMENT	Ⓛ LEVEL INDICATOR
Ⓟ PRESSURE GAUGE	Ⓣ FLOW TRANSMITTER
◇ INTERLOCK	Ⓐ ALARM
Ⓢ SUBMERSIBLE PUMP	
ⓁⓉ LEVEL TRANSMITTER	Ⓜ MOTOR OPERATED

	GATE VALVE
	NON RETURN VALVE
	CENTRIFUGAL PUMP
	METERING PUMP
	STIRRER
LS	LEVEL SWITCH
LG	LEVEL GAUGE
PG	PRESSURE GAUGE
	DIAPHRAGM SEAL
CS	CARBON STEEL
PVC	POLYVINYL CHLORIDE
	HORIZONTAL SCREW PUMP
TM	TURBIDITY METER
TI	TEMPERATURE INDICATOR
pHi	pH INDICATOR
FI	FLOW INDICATOR
PT	PRESSURE TRANSMITTER

JOB NO. 411					CUSTOMER TELANGANA STATE POWER GENERATION CORPORATION LIMITED.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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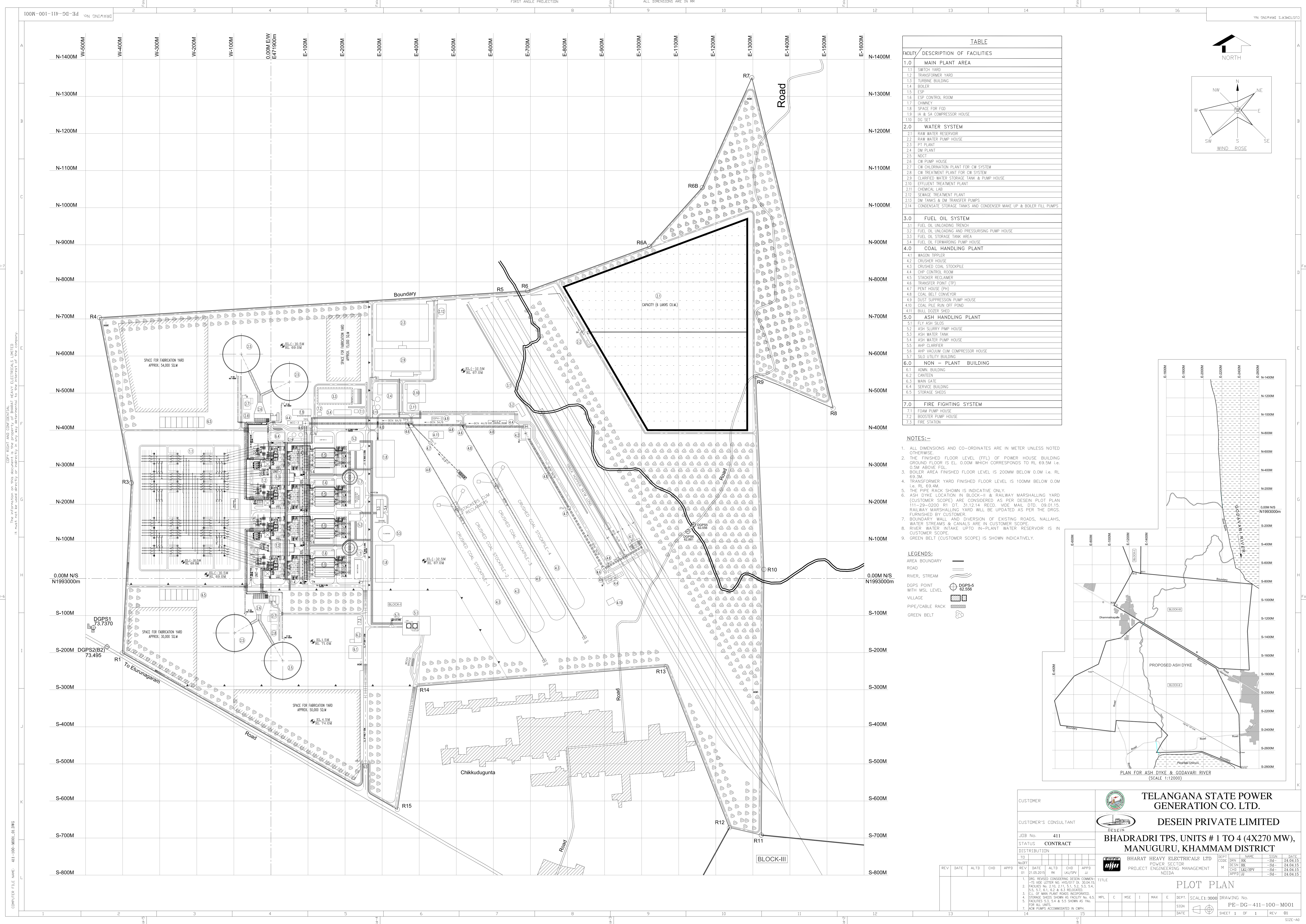
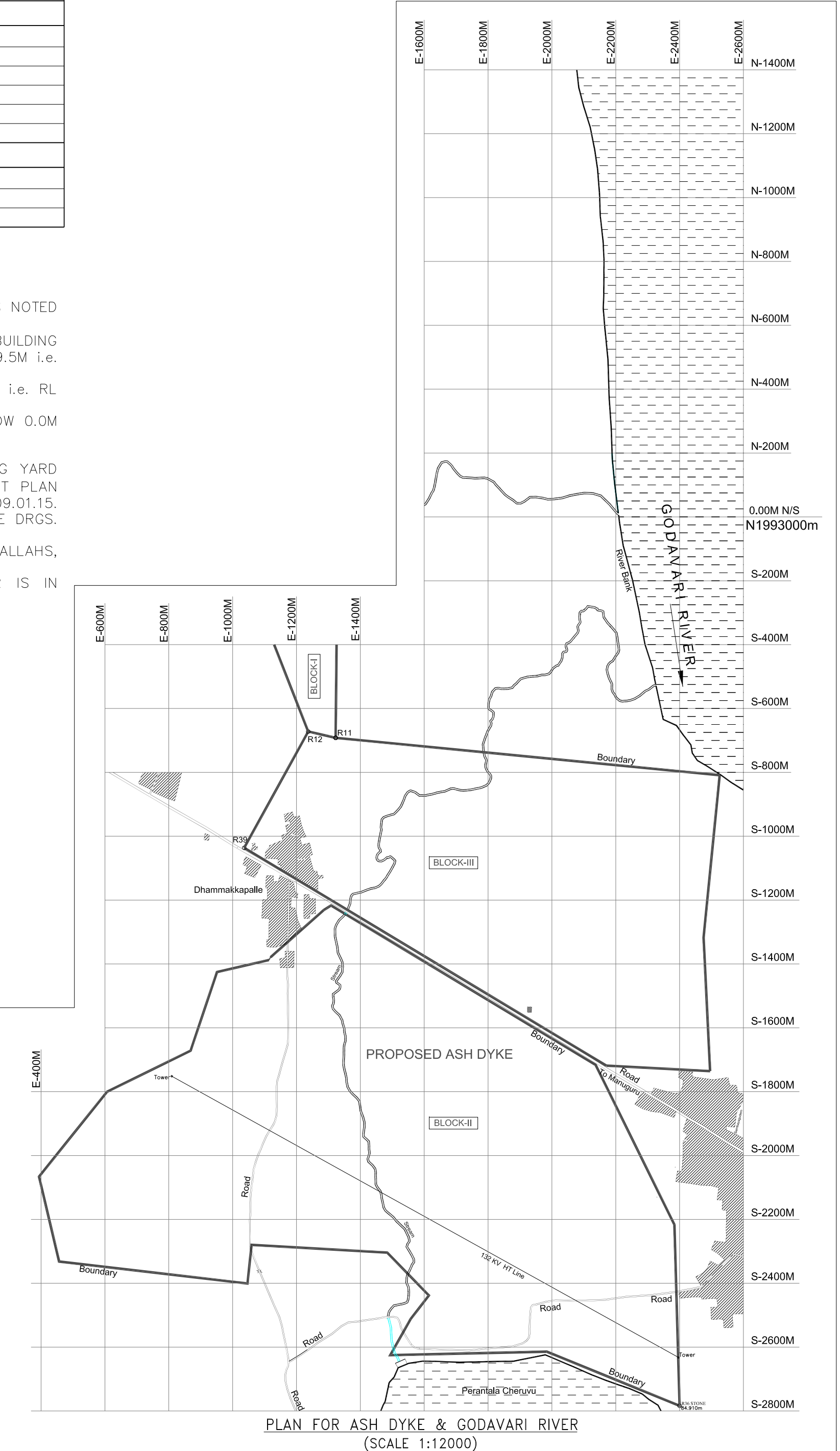


TABLE	
FACILITY	DESCRIPTION OF FACILITIES
1.0	MAIN PLANT AREA
1.1	SWITCH YARD
1.2	TRANSFORMER YARD
1.3	TURBINE BUILDING
1.4	BOILER
1.5	ESP
1.6	ESP CONTROL ROOM
1.7	CHIMNEY
1.8	SPACE FOR FGD
1.9	1A & 5A COMPRESSOR HOUSE
1.10	DC SET
2.0	WATER SYSTEM
2.1	RAW WATER RESERVOIR
2.2	RAW WATER PUMP HOUSE
2.3	PT PLANT
2.4	DM PLANT
2.5	NUC
2.6	CW PUMP HOUSE
2.7	CW CHLORINATION PLANT FOR CW SYSTEM
2.8	CW TREATMENT PLANT FOR CW SYSTEM
2.9	CLARIFIED WATER STORAGE TANK & PUMP HOUSE
2.10	EFFLUENT TREATMENT PLANT
2.11	CHEMICAL LAB
2.12	SEWAGE TREATMENT PLANT
2.13	DM TANKS & DM TRANSFER PUMPS
2.14	CONDENSATE STORAGE TANKS AND CONDENSER MAKE UP & BOILER FILL PUMPS
3.0	FUEL OIL SYSTEM
3.1	FUEL OIL UNLOADING TRENCH
3.2	FUEL OIL UNLOADING AND PRESSURISING PUMP HOUSE
3.3	FUEL OIL STORAGE TANK AREA
3.4	FUEL OIL FORWARDING PUMP HOUSE
4.0	COAL HANDLING PLANT
4.1	WAGON TIPPER
4.2	CRUISER HOUSE
4.3	CRUSHED COAL STOCKPILE
4.4	CHP CONTROL ROOM
4.5	STACKER RECLAIMER
4.6	TRANSFER POINT (TP)
4.7	PENT HOUSE (PH)
4.8	COAL BELT CONVEYOR
4.9	DUST SUPPRESSION PUMP HOUSE
4.10	COAL PILE RUN OFF POND
4.11	BULL DOZER SHED
5.0	ASH HANDLING PLANT
5.1	FLY ASH SILOS
5.2	ASH SLURRY PMP HOUSE
5.3	ASH WATER TANK
5.4	ASH WATER PUMP HOUSE
5.5	AHP CLARIFIER
5.6	AHP VACUUM CUM COMPRESSOR HOUSE
5.7	SLO UTILITY BUILDING
6.0	NON - PLANT BUILDING
6.1	ADMIN BUILDING
6.2	CANTEEN
6.3	MAIN GATE
6.4	SERVICE BUILDING
6.5	STORAGE SHEDS
7.0	FIRE FIGHTING SYSTEM
7.1	FOAM PUMP HOUSE
7.2	BOOSTER PUMP HOUSE
7.3	FIRE STATION

- NOTES:-
- ALL DIMENSIONS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
 - THE FINISHED FLOOR LEVEL (FFL) OF POWER HOUSE BUILDING GROUND FLOOR IS EL. 0.00M WHICH CORRESPONDS TO RL 69.5M I.e. 0.5M ABOVE FGL.
 - BOILER AREA FINISHED FLOOR LEVEL IS 200MM BELOW 0.0M I.e. RL 69.3M.
 - TRANSFORMER YARD FINISHED FLOOR LEVEL IS 100MM BELOW 0.0M I.e. RL 69.4M.
 - THE PIPE RACK SHOWN IS INDICATIVE ONLY.
 - ASH DYKE LOCATION IN BLOCK-II & RAILWAY MARSHALLING YARD (CUSTOMER SCOPE) ARE CONSIDERED AS PER DESEIN PLOT PLAN 111-29-0200 R1 D1 311214. RECD. VIDE MAIL DTD. 09.01.15. RAILWAY MARSHALLING YARD WILL BE UPDATED AS PER THE DRCS. FURNISHED BY CUSTOMER.
 - BOUNDARY WALL AND DIVERSION OF EXISTING ROADS, NALLAHS, WATER STREAMS & CANALS ARE IN CUSTOMER SCOPE.
 - RIVER WATER INTAKE UPTO IN-PLANT WATER RESERVOIR IS IN CUSTOMER SCOPE.
 - GREEN BELT (CUSTOMER SCOPE) IS SHOWN INDICATIVELY.

- LEGENDS:
- AREA BOUNDARY
 - ROAD
 - RIVER, STREAM
 - DGPS POINT WITH MSL LEVEL
 - VILLAGE
 - PIPE/CABLE RACK
 - GREEN BELT



CUSTOMER

CUSTOMER'S CONSULTANT

JOB No. 411

STATUS CONTRACT

DISTRIBUTION

TO

REV 01

DATE 21.05.2015

ALTD

RK

CHD

UK/SPV

APPD

JI

1. DRG REVISED CONSIDERING DESEIN COMMENT-15 VIDE LETTER NO. 1010717 D1 30.04.15.

2. FACILITIES No. 2.10, 2.11, 5.1, 5.2, 5.3, 5.4, 6.5, 5.1, 6.1, 6.2 & 6.3 RELOCATED.

3. C/L OF MAIN PLANT ROADS INCORPORATED.

4. STORAGE SHEDS SHOWN AS FACILITY No. 6.5.

5. FACILITIES 5.3, 5.4 & 5.5 SHOWN AS 1No. FOR ALL UNITS.

7. ACW PUMPS ACCOMMODATED IN CHPS.

TITLE

MPL C HSE I MAX E

DEPT. SCALE:1:3000

DRAWING No. PE-DG-411-100-M001

SHEET 1 OF 1

REV 01

TELANGANA STATE POWER GENERATION CO. LTD.

DESEIN PRIVATE LIMITED

BHADRADRI TPS, UNITS # 1 TO 4 (4X270 MW), MANUGURU, KHAMMAM DISTRICT

DEPT. NAME DATE

DESIGN -SA- 24.04.15

CHKD -SA- 24.04.15

APPROD -SA- 24.04.15

COMPUTER FILE NAME: 411-100-M001.DWG

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