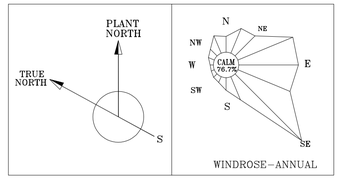
FIRST ANGLE PRJECTION

ALL DIMENSIONS ARE IN MM

DRAWING NO. PE-DG-426-100-M001



ABBREVIATIONS (CHP)

JT	JUNCTION TOWER
SR	STACKER CUM RECLAMER M/C (Bucket Wheel Type)
BC	BELT CONVEYOR
YBC	YARD BELT CONVEYOR
TBC	TRIPPER BELT CONVEYOR (On Coal Bunker)
CCS	CRUSHED COAL STOCKPILE
PH	PENT HOUSE
ER-1A/1B	OPERATOR CABIN CUM MCC ROOM BUILDING (FOR TIPPLER)
ER-2	CENTRAL CONTROL ROOM CUM MCC ROOM BUILDING FOR CHP
ER-3	MCC ROOM BUILDING
ER-4	MCC ROOM BUILDING
PMH-1A/1B	PUMP HOUSE FOR DS SYSTEM
PMH-2	PUMP HOUSE FOR DS SYSTEM
PMH-3A/3B	PUMP HOUSE FOR DS SYSTEM
PMH-4	PUMP HOUSE FOR DS SYSTEM
THC	TRACK HOPPER COMPLEX
THCR-1	TRACK HOPPER MCC CUM CONTROL ROOM BLDG
WBCR-1A/1B	WEIGH BRIDGE CONTROL ROOM BLDG
ACH-1	COMPRESSOR HOUSE FOR BOT. DISCH. WAGONS
RH	UNDERGROUND RCC RECLAIM HOPPER
RCH	RECLAIM HOPPER COMPLEX

LIST OF FACILITIES

SL. NO.	DESCRIPTION
1	STG BUILDING (1x660MW UNIT)
2	BOILER
2A	AUXILIARY BOILER
3	MILL BAY (SIDE)
4	MILL REJECT SILO (2 NOS.)
5	SERVICE BUILDING
6	ELECTROSTATIC PRECIPITATOR
7	ESP CUM FGD CONTROL ROOM
8	CHIMNEY
9	ASH SLURRY PUMP HOUSE (ASPH)
10	RECOVERY WATER PUMP HOUSE
11	ASH SILO
12	SPACE FOR FGD, LIME STORAGE & CHP
13	TRANSFORMER YARD
14	400kV SWITCH YARD
15	IA, SA & MRS COMPRESSOR HOUSE CUM DG BUILDING
16	CST & HOTWELL MAKE-UP PUMPS
17	NATURAL DRAFT COOLING TOWER (NDCT)
18	CW FOREBAY AND CW & ACW PUMP HOUSE
19	CW CHLORINATION PLANT
20	FIRE STATION BUILDING
21	DM WATER STORAGE TANKS, BOILER FILL PUMPS & DM TRANSFER PUMPS
22	DM PLANT & CHEMICAL LAB (PCR)
23	NEUTRALIZING PIT (COMMON FOR CPU REG. BUILDING & DM PLANT)
24	CHEMICAL HOUSE
25	WATER CLARIFIERS (PT. PLANT)
26	CLARIFIED/ FIRE WATER STORAGE TANK AND PUMP HOUSE
27	CANAL WATER INTAKE PIPE LINE
28	WAGON TIPPLER
29	CRUSHER HOUSE (CHP)
30	CRUSHED COAL STOCKPILE
31	FUEL OIL TANK & LDO UNLOADING PUMP HOUSE
31A	FUEL OIL PRESSURIZING AND HEATING UNIT
32	FUEL OIL UNLOADING AREA
33	STACKER / RECLAMER
34	EFFLUENT TREATMENT PLANT
35	CANTEEN
36	WORKSHOP BUILDING
37	SECURITY AND TIME OFFICE
38	PERMANENT STORES AND STORE OFFICE
39	ADMINISTRATIVE BUILDING
40	RAW WATER RESERVOIR
41	RAW WATER DISCHARGE PUMP HOUSE
42	RAW WATER PIPE TO CLARIFIER
43	TOWNSHIP – CUSTOMER SCOPE
44	TRAINING CENTER
45	CPU REGENERATION BUILDING
46	RAW WATER INTAKE PUMP HOUSE
47	ASH HANDLING ELECTRICAL/ CONTROL ROOM
48	AHP VACUUM CUM COMPRESSOR HOUSE
49	ASH WATER PUMP HOUSE CUM CHEMICAL HOUSE
50	FAE TOWER (6 NOS.)
51	SILO UTILITY BUILDING CUM HCSD PUMP HOUSE
52	CHP CONTROL ROOM
53	ASH WATER CLARIFIER COMPLEX
54	CONSTRUCTION YARD
55	ASH TRUCK GATE
56	SECURITY OFFICE NEAR ASH TRUCK GATE
57	MATERIAL ENTRY GATE
58	SECURITY OFFICE – MATERIAL ENTRY GATE
59	GATE
60	SECURITY OFFICE
61	HYDROGEN GENERATION PLANT CUM GAS CYLINDER ROOM
62	DISPENSARY
63	DISPENSARY
64	FOAM PUMP HOUSE
65	WEIGH BRIDGE AND CONTROL ROOM
68	AMMONIA UNLOADING & STORAGE AREA FOR SCR SYSTEM
69	STP
70	SIDE STREAM FILTRATION UNIT
71	CW CHLORINATION PLANT
72	RW CHLORINATION PLANT

TOTAL AREA:– 165.89914 ACRE

LEGENDS:

GREEN AREA
ROADS (BHEL)
RAIL TRACK
HT LINE
PLANT BOUNDARY
PIPE RACK
WATCH TOWER

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL ELEVATIONS ARE REFERRED TO POWER HOUSE FINISHED FLOOR ELEVATION(FFL) ± 0.00M WHICH CORRESPONDS TO RL.(+)126.5M. THE FINISHED GRADE LEVEL(FGL) OF PLANT IS RL(+)126.0M.
3. BOILER AREA FINISHED FLOOR LEVEL(FFL) IS 200MM BELOW 0.0M.
4. TRANSFORMER YARD FINISHED FLOOR LEVEL(FFL) IS 100MM BELOW 0.0M.
5. LAYOUT/SIZE OF VARIOUS EQUIPMENTS/FACILITIES IS TENTATIVE ONLY AND SHALL BE FINALIZED DURING DETAIL ENGINEERING.

PROGRESSIVE AS ON 10.10.19

REV.	DATE	ALTD	CHD	APPD
03	16.01.2019	RKV	RKB	SS
1	DRAWING REVISED INLINE WITH CUSTOMER/ NTPC COMMENTS DTD. 31.01.19.			
2	DRAWING REVISED INLINE WITH NTPC MEETING DTD. 04.02.19.			

REV.	DATE	ALTD	CHD	APPD
1.	05.01.2018	RKV SK/-	RKB SK/-	SS SK/-
2.	DRAWING REVISED INLINE WITH CUSTOMER/ NTPC COMMENTS DTD. 31.01.18. DRAWING REVISED INLINE WITH CUSTOMER/ NTPC MEETING DTD. 04.02.18 & 21.02.18.			

REV.	DATE	ALTD	CHD	APPD
3.	06.11.18	RK SK/-	RKB SK/-	RKB SK/-
4.	DRAWING REVISED IN LINE WITH CUSTOMERS COMMENTS DTD. 28.07.18. DHP/AHP AREA UPDATED IN LINE WITH ISG DRG. CUSTOMERS STORE LOCATION HAS BEEN LOCATED CENTRAL (LINE OK). LOCATION RELOCATED.			

JOB NO. 426

STATUS CONTRACT

DISTRIBUTION

NTPC DRG. No. 9962-001-PE-999-POC-F-001 REV. 04P

PROJECT: 1 X 660MW PANKI THERMAL POWER EXTENSION PROJECT.

OWNER: UTTAR PRADESH RAJYA VIDYUT UTPADAN NIGAM LTD.

REVIEW CONSULTANT: NTPC LTD. (A GOVERNMENT OF INDIA ENTERPRISE)

CONSULTANT: DEVELOPMENT CONSULTANTS PVT. LTD. KOLKATA

EPC CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD.

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NOIDA

DEPT CODE		NAME	SIGN	DATE
M	DRN.	RKV	SK/-	17.04.2018
	DESN	RBV	SK/-	17.04.2018
	CHD	RP/SRV	SK/-	17.04.2018
	APPD	SS	SK/-	17.04.2018

TITLE

PLOT PLAN

DEPT. | SCALE 1: 3200 | DRAWING ND. PE-DG-426-100-M001

SIGN | SHEET 01 OF 01 | REV. 04P

SIZE-A0

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ELECTRONIC FILE NAME: PE-DG-426-100-M001_RMP