

	1 X 660 MW SAGARDIGHI TPS UNIT NO. 5 PHASE III VENTILATION SYSTEM GUARANTEED POWER CONSUMPTION (GPC)		SPECIFICATION No: PE-TS-445-554-A001	
			SECTION : II	
			SUB-SECTION : 6	
			REV: 00	DATE: AUGUST 2021
			SHEET 1 OF 1	

SECTION: II

SUB SECTION: 6

GUARANTEED POWER CONSUMPTION (GPC)

1 X 660 MW SAGARDIGHI TPS UNIT NO. 5 PHASE III						
VENTILATION SYSTEM						
GUARANTEED POWER CONSUMPTION FIGURES						
S.NO.	DESCRIPTION OF EQUIPMENT	NO OF EQUIPMENT		TOTAL GUARANTEED POWER CONSUMPTION FOR EACH EQUIPMENT AT MOTOR INPUT TERMINAL AND CONTROL PANEL (IN KW)	DUTY FACTOR	TOTAL KW
		WORKING	STANDBY			
		3A	3B	4	5	6=3Ax4x5
A	VENTILATION SYSTEM FOR TG BUILDING					
i	Centrifugal Fan of cap. 1,40,000 CMH at 85 mmwc static pr for air washers.	8	0		1	
B	VENTILATION SYSTEM FOR ESP CUM FGD BUILDING					
i	Centrifugal Fan of cap. 1,50,000 CMH at 60 mmwc static pr for UAF.	2	0		1	
				TOTAL (KW)		
Note:	Estimated power consumption (EPC) figure for the system (for working drives only) has been considered as 485 kW. So long bidder's quoted guaranteed power consumption (GPC) above remains within this EPC, there will be no technical loading of bid on power consumption for evaluation. However, if bidder's quoted GPC exceeds EPC, there shall be technical loading of bid for evaluation @ INR 462000 per kW of additional power over EPC. Bidder's guaranteed power consumption at motor input terminals (not shaft power) as furnished in relevant schedule shall be demonstrated by the successful bidder during performance testing at works/ site. In case power consumption is noted higher than EPC / bidder's quoted GPC whichever is higher, during inspection/ PG test, penalty @ INR 462000 per kW shall be levied on vendor.					



**1 X 660 MW SAGARDIGHI TPS UNIT
NO. 5 PHASE III
VENTILATION SYSTEM
TENDER DRAWINGS**

SPECIFICATION No: PE-TS-445-554-A001

SECTION : II

Sub Section : 7

REV. 00

DATE: AUGUST 2021

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TENDER DRAWINGS

CONTINUED

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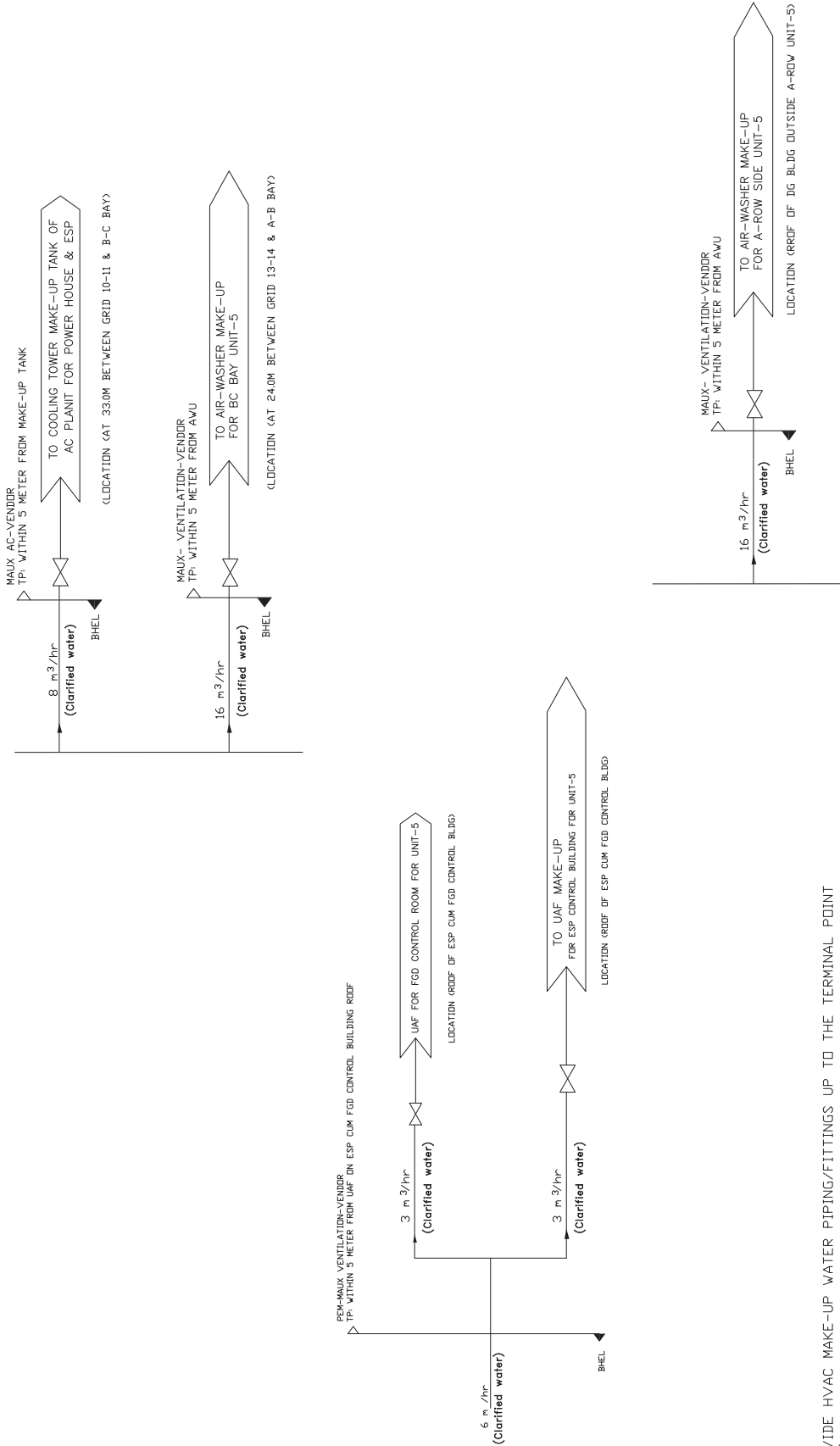
NOTES: -

- IMPORTANT NOTE:** "The Instrumentation furnished in the PD is a minimum requirement however any Instrument required for completeness of the system shall be provided by bidder without any cost Implication. For redundancy criteria, Vendor to follow the clause pertaining to Redundancy Criteria mentioned in the Specification."



Customer										
Consultant										
Contract No.										
Contract Name										
Contract Value										
Contract Date										
Contract Location										
Contract Description										
Contract Status										
Contract Remarks										
Contract Attachments										
Contract Documents										

PROJECT NO- 445, 1X660 MW SAGARDIGHI TPS
HVAC System

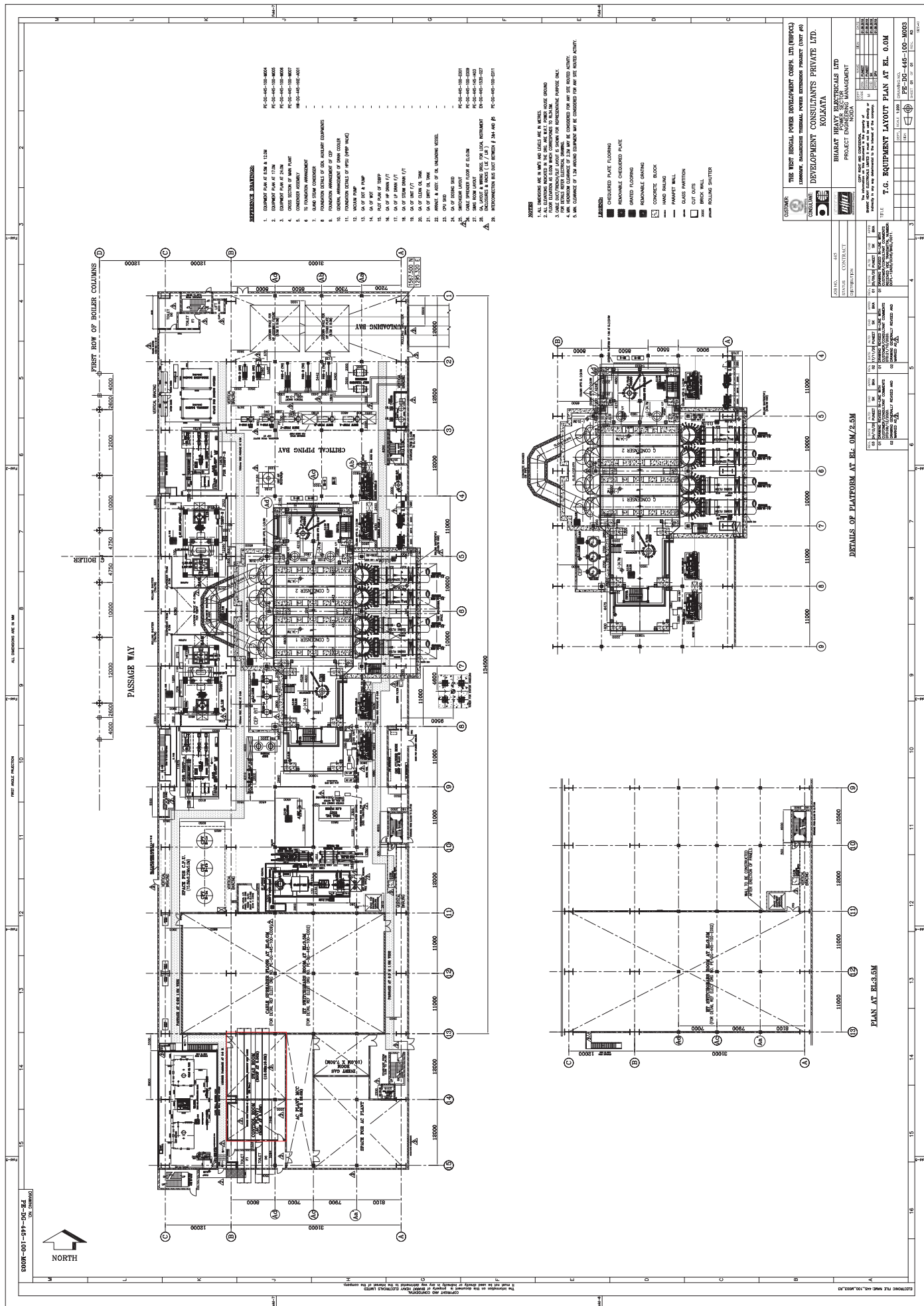


NOTE:-

1. MSE/MPL TO PROVIDE HVAC MAKE-UP WATER PIPING/FITTINGS UP TO THE TERMINAL POINT AS SHOWN IN DRG.
2. HVAC MAKE-UP WATER PIPING INCLUDING FITTINGS SHALL BE TERMINATED WITHIN THE RANGE OF 5 METER DISTANCE FROM MAKE-UP WATER TANK / AIR-WASHER BY BHEL
3. FURTHER PIPING SHALL BE DONE BY RESPECTIVE MAUX VENDOR AS MARKED IN THIS DRG. THE HVAC MAKE-UP WATER ISOLATING VALVES SHALL BE ARRANGED BY VENDOR AS PER THE SCHEME AS MARKED IN THE DRG.
4. HVAC MAKE-UP WATER PR. at EACH TERMINAL POINT SHALL BE MAINTAINED 0.5 kg/cm2.
5. AC - SYSTEM MAKE-UP WATER PIPING FROM TERMINAL POINT TO MAKE-UP WATER TANK, EXPANSION TANK & PAN HUMIDIFIER SHALL BE IN SCOPE OF MAUX HVAC SYSTEM VENDOR

FOR CONTRACT

TITLE			
MAKE UP WATER SCHEME FOR HVAC SYSTEM			
(445) 1X660 MW SAGARDIGHI TPS			
SCALE		DATE	
NTS		DRAWN	
CHECKED		APPROVED	



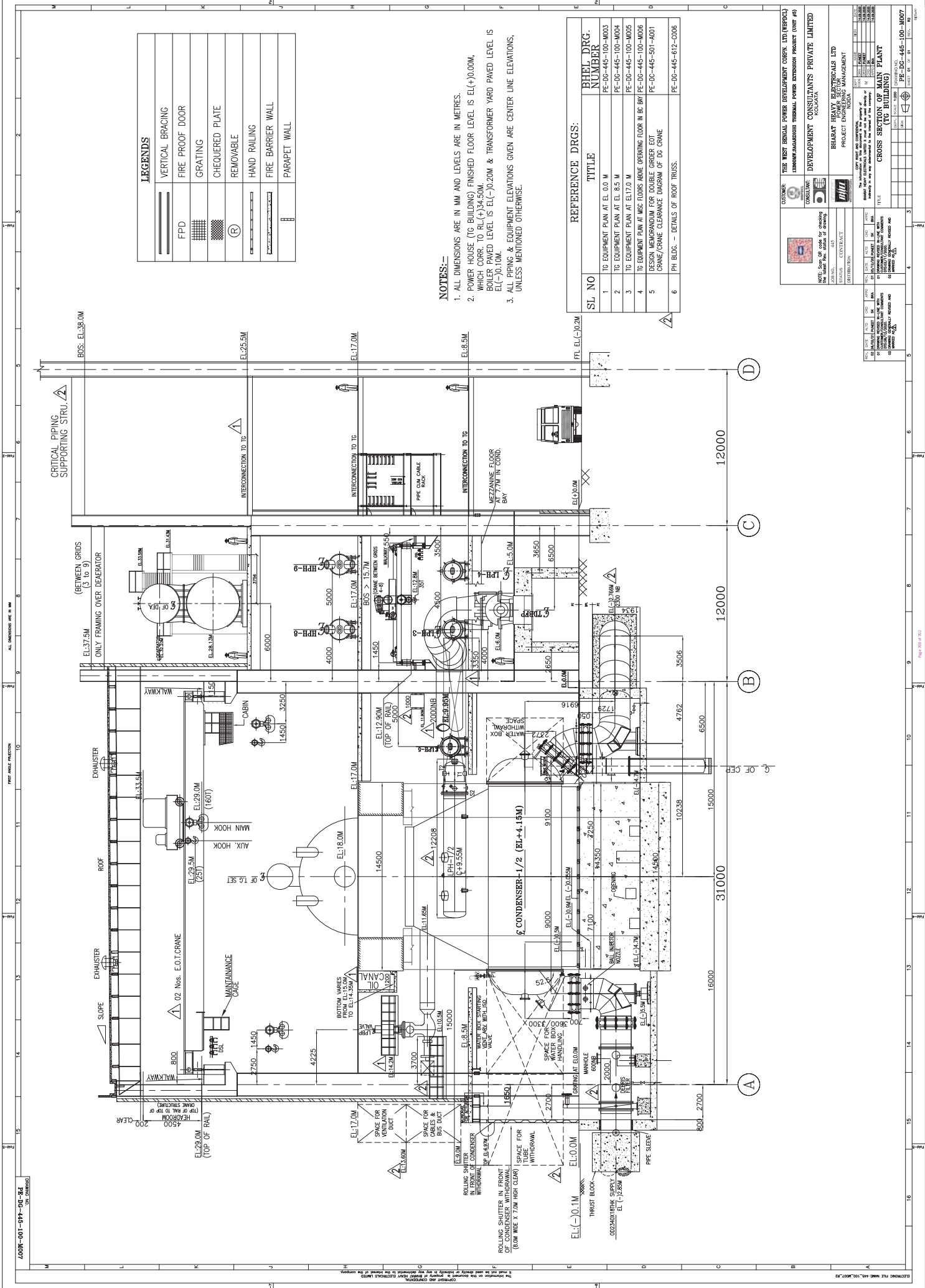
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LAYDOWN AREA FOR TURBINE & GENERATOR COMPONENTS

[illegible][illegible]

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SL NO	TITLE	BHEL DRG. NUMBER
1	TC EQUIPMENT PLAN AT EL. 0.0 M	PE-306-445-100-M003
2	TC EQUIPMENT PLAN AT EL. 8.5 M	PE-306-445-100-M004
3	TC EQUIPMENT PLAN AT EL17.0 M	PE-306-445-100-M005
4	TC EQUIPMENT PLAN AT MISC FLOORS ABOVE OPERATING FLOOR IN DR. B/W	PE-306-445-100-M006
5	DESIGN MEMORANDUM FOR DOUBLE GIRDER EOT CRANE PHASE/CRANE CLEARANCE DIAGRAM OF DCR CRANE	PE-306-445-501-A001
6	PH. BLDG. - DETAILS OF ROOF TRUSSES.	PE-306-445-612-C006

	DEVELOPMENT CONSULTANTS PRIVATE LIMITED BANGALORE	DEVELOPMENT CONSULTANTS PRIVATE LIMITED BANGALORE	DEVELOPMENT CONSULTANTS PRIVATE LIMITED BANGALORE	DEVELOPMENT CONSULTANTS PRIVATE LIMITED BANGALORE
THE WEST BENGAL POWER DEVELOPMENT CORP. LTD. (WBPDCL)	LOWMAY SUBSTATION THERMAL POWER EXTENSION PROJECT (UNIT #0)	LOWMAY SUBSTATION THERMAL POWER EXTENSION PROJECT (UNIT #0)	LOWMAY SUBSTATION THERMAL POWER EXTENSION PROJECT (UNIT #0)	LOWMAY SUBSTATION THERMAL POWER EXTENSION PROJECT (UNIT #0)
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