

3X800MW PVUNL PATRATU TPP PHASE-1

TECHNICAL SPECIFICATION

FOR

FUEL OIL HANDLING SYSTEM

SECTION - III E

ELECTRICAL LOAD DATA



BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR PROJECT ENGINEERING MANAGEMENT PPEI,
NOIDA-INDIA

LOAD TITLE	RATING (KW / A)		UNIT (U)/STN (S)	Nos.		VOLTAGE CODE*	FEEDER CODE**	EMER. LOAD (Y)	CONT.(C)/ INTT.(I)	STARTING TIME >5 SEC (Y)	LOCATION	BOAR D NO.	CABLE		BLOCK CABLE DRG. No.	CONTROL CODE	REMARKS	LOAD No.
	NAME PLATE	MAX. CONT. DEMAND (MCR)		RUNNING	STANDBY								SIZE CODE	NOs				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Sump Pumps in HFO U/L area (10 cum/hr.)	7.5 KW		S	2	2	D	U		I		FO Unloading Area							
HFO U/L Pumps (100 cum/hr)	55 KW		S	4	1	D	U		I		Unloading Pump House							
LDO U/L Pumps (50 cum/hr.)	18.5 KW		S	1	1	D	U		I									
Drain Oil Pumps (10 cum/hr.)	5.5 KW		S	1	1	D	U		I									
Sump Pumps in HFO U/L Pump House (10 cum/hr.)	7.5 KW		S	1	1	D	U		I									
Motor operated valve (unloading pump discharge) with open close push button	2.2 KW		S	6	3	D	S		I								Integral starter in vendor scope	
LDO Transfer Pumps (25 cum/hr.)	11 KW		S	1	1	D	U		I									
Recovery Oil Pumps (OWS) (5 cum/hr)	5.5 KW		S	1	1	D	U		I		Fuel Oil Tank Farm Area Transfer							
Motor operated valve (on tank) with open close push button	2.2 KW		S	4	6	D	S		I								Integral starter in vendor scope	
Note: Bidder to note that these are the maximum loads that will be feeded by BHEL MCC. Any changes if required in the above loads shall be informed by bidder in the prebid stage itself. Later on, if any change in loads is asked by bidder, the cost of modification in BHEL MCC for accommodating the change in loads shall be borne by bidder.																		
NOTES: 1. COLUMN 1 TO 12 & 18 SHALL BE FILLED BY THE REQUISITIONER (ORIGINATING AGENCY); REMAINING COLUMNS ARE TO BE FILLED UP BY PEM (ELECTRICAL) 2. ABBREVIATIONS : * VOLTAGE CODE (7):- (ac) A=11 KV, B=6.6 KV, C=3.3 KV, D=415 V, E=240 V (1 PH), F=110 V (cc): G=220 V, H=110 V, J=48 V, K=+24V, L=-24 V : ** FEEDER CODE (8):- U=UNIDIRECTIONAL STARTER, B=BI-DIRECTIONAL STARTER, S=SUPPLY FEEDER, D=SUPPLY FEEDER (CONTACTER CONTROLLED)																		
	LOAD DATA (ELECTRICAL)	JOB NO.	434			ORIGINATING AGENCY			SIGN AND STAMP									
		PROJECT TITLE	3X800 MW PVUNL PATRATU TPP PHASE			NAME			DATA FILLED UP ON									
		SYSTEM / S	FUEL OIL UNLOADING & STORAGE SYSTEM			SIGN.	-SD-		DATA ENTERED ON									
		DEPTT. / SECTION	MAUX/PF			SHEET 1 OF 1	REV. 00		DE'S SIGN. & DATE									

3 x 800 MW Patratu TPP

SECTION – III

SUB-SECTION IIIF

FORMAT FOR MS PLATE REQUIRED



TITLE:

TECHNICAL SPECIFICATION FOR
FUEL OIL UNLOADING AND STORAGE SYSTEM
3 x 800 MW Patratu TPP

SPECIFICATION NO.: PE-TS-434-166-A001

REV. NO. 01

DATE: 20.03.2020

**FORMAT FOR REQUIRED MS PLATE
(TO BE FILLED BY THE BIDDER)**

S. No	DESCRIPTION OF EQUIPMENT / ITEM		
	Description	QTY	Unit
1.0	Total Quantity of MS plates (As per IS 2062 Grade B) required for Shell, roof and bottom of fuel oil tank free issue by BHEL.		Tonne
Notes:- - The base quantity of BHEL issue MS plate is 260 MT. - In case the bidder's quoted quantity is higher than the base quantity of MS Plate, then the bidder's total evaluation price shall be determined after adding differential cost of MS Plate as per the following rates, - MS plate – Rs. 44000/- per Tonne (Ex-works). - Bidder to submit duly filled up "FORMAT FOR REQUIRED MS PLATE" along with technical offer in open.			