

1X660 MW PANKI EXTN - Mill Reject Handling System						
SECTION III						
PROJECT: 1X660 MW PANKI EXTN						
MILL REJECT SYSTEM(PNEUMATIC TYPE)						
TECHNICAL SPECIFICATION: PE-TS-426-160-A001						
GUARANTEED POWER CONSUMPTION FORMAT						
Mode: Pneumatic Conveying						
Sl.No.	Description / Item	Working	Standby	Power Consumption (KW) (at motor input terminal)	Duty Factor	Total Power Consumption (KW)
1	2	3	4	5	6	7 = 3 x 5 x 6
1	Conveying Air Compressor	1	1		1.00	0
Total KW						0
Notes						
1	Power consumption (KW) of air compressors shall be measured at motor input terminals when operating at the rated capacity and pressure and performed on test rig at the vendor's works and actual motor shall be used for this purpose.					
2	The base auxiliary power is 160 KW. Quoted power by bidder at column no. (7) shall be evaluated with respect to base auxiliary power. For bid evaluation purpose, excess power quoted by bidder over base auxiliary power, shall be loaded with Rs. 584000 per KW.					
3	Power quoted by bidder shall be termed as 'Guaranteed Power consumption' (GPC). Bidder shall be liable to demonstrate actual power consumption during PG test/ Demonstration test at site. If the actual power consumption exceeds the guaranteed power consumption (indicated by bidder) or base auxiliary power (which is indicated at SI no- 2 above) whichever is higher, liquidated damages shall be payable by the vendor at the rate of Rs. 584000 per KW for excess power consumption. Such liquidated damages may be recovered by the BHEL by deduction from the contract price or by enforcing the contract performance guarantee or in any other manner deemed fit by the BHEL. For this purpose, the drives of standby equipment shall not be considered.					



1X660 MW PANKI EXTN

TECHNICAL SPECIFICATION
FOR
MILL REJECT SYSTEM (PNEUMATIC TYPE)

SPECIFICATION No: PE-TS-426-160-A001

PACKAGE: MILL REJECT SYSTEM
(PNEUMATIC TYPE)

SECTION-III

REV. 00

DATE: JUNE 2019

UTILITY REQUIREMENT

S. No.	Description	Quantity	Pressure Requirement	Scope	Tapping
1	DMCW	30 m3/hr	Max inlet pressure (MRS compressor inlet) = 5 Kg/cm ² (g) at 0.00 m EL	BHEL	Tapping with isolation valve, both at inlet and outlet at a distance of 5m from MRS Compressor house (housed in main plant compressor house).
2	Instrument Air	1.5 m3/min per unit	5-7 Kg/cm ² (g)	BHEL	One 25 NB Tapping at elevation of 3-6 m in each mill bay is required. Location of tapping shall be first col. of mill bay near D row.
3	Service Water	6-8 m3/hr per bay per unit	2.5-3 Kg/cm ² (g)	BHEL	One 40 NB Tapping at elevation of 3-6 m in each mill bay is required. Location of tapping shall be first col. of mill bay near D row.

PART OF SPECIFICATION PE-TS-426-160-A001

	1X660 MW PANKI EXTN	SPECIFICATION No: PE-TS-426-160-A001	
	TECHNICAL SPECIFICATION FOR	PACKAGE: MILL REJECT SYSTEM (PNEUMATIC TYPE)	
	MILL REJECT SYSTEM (PNEUMATIC TYPE)	SECTION-III	
		REV. 00	DATE: JUNE 2019

PERCENTAGE BREAK-UP OF PRICE SHEET		
MAIN SUPPLY		
S.No.	Details of Works or Equipment/System	Price percentage of total ex-works Main Supply price
1.0	Break - up of Main Supply Prices (To be used during contract execution for payment)	
1.1	Lumpsum price of transporter vessel with dome/ butterfly/ vertical swing type valve, insert plates and accessories.	14-18
1.2	Lumpsum price of pyrite hopper with level probes, RTDs, rupture disc, metallic expansion bellow.	10-15
1.3	Lumpsum price of pneumatic panel/ air control module/ solenoid box with accessories.	2-4
1.4	Lumpsum price of storage bunkers, pressure relief valves, bag filters with pressure switch, terminal boxes, level transmitter, chain pulley blocks, bunker discharge gate with accessories.	30-35
1.5	Lumpsum price of air compressors with drive, etc. (cap 27.3 cum/min)	20-24
1.6	Lumpsum price of air receivers with accessories.	3-5
1.7	Lumpsum price of pipes for mill reject conveying.	2-3
1.8	Lumpsum price of pipes for compressed air (instrument air and conveying air) & cooling water services, etc.	0.7-0.9
1.9	Lumpsum price of air & water line valves.	0.8-1.2
1.10	Lumpsum price of pneumatically operated knife gate valves for different application.	2-4
1.11	Lumpsum price of Alloy CI bends/ fittings/ laterals.	1-2
1.12	Lumpsum price of field instruments, cable glands & lugs, cable trays/ conduits (branch) as per specification requirement.	1-2
1.13	Total price of erection & commissioning spares and special tools & tackles.	0.1-0.3
	Cumulative percentages from 1.1 to 1.13 should be equal to 100%.	100%

[illegible]