



V2-S2.1.2:
Equipment Data Sheet — Set B Package-A



DATA SHEET – B (TO BE FILLED IN BY THE BIDDER)

SL. NO.	DESCRIPTION	UNITS	TO BE FILLED BY BIDDER
B1: LIGNITE SYSTEM			
	Plot plan & Flow diagram of the New lignite handling system	including package-A and Package-B	
	write-up and information related to the mechanical, Electrical, I & C, civil and structural works	including package-A and Package-B	
1	BELT CONVEYORS		
1.1	General Data		
1.1.1	Designation		
1.1.2	Capacity	TPH	
1.1.3	Belt width	MM	
1.1.4	Troughing angle	DEGREE	
1.1.5	Belt speed	M / Sec	
1.1.6	Length between centers	M	
1.1.7	Angle of inclination	DEGREE	
1.1.8	Total lift	M	



1.2	Belt Specifications		
1.2.1	Belt construction		
1.2.2	Belt Rating & No of plies	NO	
1.2.3	Cover grade and Thickness	mm	
1.3	Idlers- Carrying, Impact , Return, SA (carrying & return)		
1.3.1	Make		
1.3.2	Type		
1.3.3	Friction factor		
1.3.4	Pipe dia & thk	mm	
1.3.5	Pipe rollers specification (ERW/seamless)		
1.3.6	Max Roll eccentricity	mm	
1.3.7	Bearing type, size & life		
1.4	Pulleys – Head, Tail, T/up, Bend, Snub		
1.4.1	Diameter of pulleys	mm	
1.4.2	Type and size of bearings		
1.4.3	Lagging thickness and type	mm	
1.4.4	Diameter of Shaft at hub	mm	



1.4.5	Type of fixture of pulley to shaft		
1.4.6	Angle of wrap	Deg	
1.4.7	Shell Thickness	MM	
1.5	Take-up		
1.5.1	Type		
1.5.2	Travel length		
1.6	<u>Drive Unit</u>		
1.6.1	Selected Motor Rating/Speed	KW/RPM	
1.6.2	Type of gearbox		
1.6.3	Reduction ratio		
1.6.4	Type of primary couplings (High speed side)		
1.6.5	Type of secondary couplings (Low speed side)		
1.6.6	Type of hold back		
1.6.7	Type & size of brakes		
1.6.8	Details of motor		



1.6.9	Type and make Frame size KiloWatt rating Speed Voltage		
1.6.10	Torque rating for brake		
1.6.11	Operating voltage for brake		
1.7	Belt Cleaner		
1.7.1	Type of internal belt cleaners (Tail end V-plough)		
1.8	Chutes		
1.8.1	Material and thickness of main plate		
1.8.2	Material and thickness of liner plate		
1.9	Technological structure		
1.9.1	Size of stringers and short supports		
1.9.2	Clear walkway width (side/central)		
1.10	Belt protection safety Switches a) Pull cord switch b) Belt sway switch c) Zero speed switch d) Emergency push button	Nos. Nos. Nos. Nos.	



1.10.1	Type		
1.10.2	Rating (Volts, Amps break)		
1.10.3	Spacing	M	
2	BELT SCALE		
2.1	Type - Load cell / Contactless type		
2.2	Type of Load cell / Radiation source		
2.3	Rate Indicator Type		
2.4	Recorder Type		
2.5	Accuracy		
2.6	Belt Speed measurement method		
3	COLLECTING HOPPERS		
3.1	Capacity	TONNE	
3.2	Overall Dimensions		
3.3	Type of Construction		
3.4	Liner material		
4	FEEDER BREAKER		



4.1	Feeder		
4.1.1	Capacity		
4.1.2	Type, make and Material of construction (MOC) of chain & Flight		
4.1.3	Drive details (VFD)		
4.1.4	Motor Type and make KW rating Speed range Voltage		
4.2	Breaker		
4.2.1	Capacity		
4.2.2	Input lump size		
4.2.3	Output lump size		
4.2.4	MOC		
4.2.5	Drive		
B2: PLAIN WATER SUPPRESSION SYSTEM			
1	SUPPRESSION SYSTEM		
1.1	TYPE OF DSS		
1.2	No of spray bars		



1.3	SPRAY NOZZLES		
1.3.1	Area covered by each spray nozzle	M x M	
1.3.2	Spacing	MM	
1.3.3	Material of Nozzles		
1.3.4	No of Nozzles		
1.3.5	Material of spray bars		
B3: FIRE WATER FOR NEW LIGNITE SYSTEM			
1.1	Name of the area to covered with laying/installing of fire line		
1.2	no of Location for providing of the hydrant/ riser / post		
B4: Belt vulcanizer			
1.1	Quantity		
1.2	Type of Belt to be vulcanised		
1.3	Type of Press		
1.4	Belt Width		
1.5	Purpose of use		
1.6	Whether portable type		
1.7	Temperature control		

Gujarat Industries Power Company Limited (GIPCL)

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V2-S2.1.2: Equipment Data Sheet — Set B Package-A

1.8	Pressure built up		
1.9	Power supply		
1.10	Cable		
1.11	Vulcanising Pressure		
1.12	Vulcanising Temperature		
1.13	Platen size		
1.14	Vulcanizing Tools & Accessories:		