

BHEL TECHNICAL SPECIFICATIONS (ANNEXURE - I)

Sl.	Description of BHEL requirement	Vendor's Confirmation	Deviation
1.0	PURPOSE:-		
1.1	<i>To cut Wood Planks and Ply Wood Sheets for Manufacturing packing cases only.</i>		
2.0	TECHNICAL SPECIFICATION:-		
	Cutting capacity		
2.1	<i>Blade distance from column / throat:900 mm</i>		
2.2	<i>Depth of cut:300 mm</i>		
2.3	<i>Variable cutting speed range: 500-1500 m/min</i>		
	Band particulars		
2.4	<i>No. of wheels:2</i>		
2.5	<i>Band Wheels diameter: 930mm</i>		
2.6	<i>Saw Blade Width: 34 mm</i>		
2.7	<i>Saw blade length: 6300 mm</i>		
	Working Table particulars		
2.8	<i>Work Table dimensions: 950 x 950 mm</i>		
2.9	<i>Height above floor: 950 mm</i>		
	Saw motor particulars		
2.10	<i>Saw motor rating : 7.5 HP</i>		
2.11	<i>Supply: 440 V, 50 Hz, 3 phase AC</i>		
	Dust Exhaust system		
2.12	<i>Exhaust motor rating : 5 HP</i>		
2.13	<i>Exhaust motor RPM : 2800</i>		
2.14	<i>Exhaust Fan speed: 2800 RPM</i>		
2.15	<i>Dia of collection hopper bag: 250 mm</i>		
3.0	The following form a part of standard supply:-		
3.1	<i>Blade tension with stroke of 130 mm</i>		
3.2	<i>Manual feed with manual blade tensioning</i>		
3.3	<i>Fence for parallel cuts</i>		
3.4	<i>Step Pulley with V-Belts</i>		
3.5	<i>Set of spanners</i>		
3.6	<i>Wheel guards</i>		
3.7	<i>Motor guard</i>		
3.8	<i>Motor attachments</i>		
3.10	Fixed type table with tilting arrangement:- <i>RH-30 deg, LH-10 deg.</i>		
3.11	<i>Electrical panels & timers</i>		
3.12	<i>Electrical fittings such as Fuses, Limit switches etc.,</i>		
3.13	<i>Ball bearing for blade guides</i>		
3.14	<i>Carbide Wear plate sets</i>		
3.15	<i>Dust collection & Exhaust system</i>		
3.16	<i>Filter bags</i>		
3.17	<i>MS ducts: 2 mtr length</i>		
3.18	<i>Suction hood</i>		
3.19	<i>Solenoid valves</i>		
3.20	<i>Hose ducts</i>		
3.21	<i>Reducers</i>		
3.22	<i>Centrifugal fan assembly with suitable motor</i>		
3.23	<i>Common base frame for fan & motor</i>		
3.24	<i>All safety devices</i>		
3.24 (a)	<i>Standard Accessories like:- Tools with Tool Box - 1 Set, Blade cleaning Wire Brush - 2 Nos. & Band saw blades - 24 Nos</i>		

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3.24 (b)	Recommended spare parts:		
3.25	V belts for V-pulley 2 Nos		
3.26	Electric Fuses- 2 Sets		
3.27	Limit Switch elements - 2 Nos		
3.28	Ball bearing for blade guides - 4 Nos		
3.29	Carbide Wear plate sets - 1 Set		
3.30	Filter bags - 2 Nos		
4.0	Note: Proper working of Dust collection & Exhaust systems shall be ensured to avoid hazards as per HSE Norms.		
5.0	Two sets of operating & Maintenance manuals including:- Mechanical assembly diagram, electronics / electrical circuit diagram,		
6.0	Catalogues of bought out items shall be furnished along with the machine.		
7.0	Vendor shall submit the foundations layout drawings giving load points,static/ dynamic loading for BHEL's approval within one month from the date of Letter of Intent (LOI) or Purchase Order, whichever is earlier.		
8.0	Pre-dispatch inspection & training at vendor's works.		
9.0	GUARANTEE / WARRANTY:- Vendor shall provide full and complete guarantee & warranty for 24 months for trouble free operation from the date of successful commissioning of the machine at BHEL Works		
10.0	After sales service & availability of spares during & after guarantee period.		
11.0	Rigid packing for all items of complete machine with all Accessories and other supplied items to avoid any damage/loss in transit. All small loose items shall be suitably packed in boxes.		
12.0	Machine Model to be furnished by Vendor		
13.0	All machine elements e.g. solenoids, switches must have identification tags.		
14.0	Machine Light to be offered to provide sufficient illumination of working area.		
15.0	Complete Erection, Installation, Commissioning & trial job proving is the responsibility of vendor at BHEL works.		
16.0	Vendor to submit, along with offer, reference list of customers where similar or higher size machines have been supplied mentioning broad specifications of the supplied machine i.e. Model, capacity and the supplied machines are working since last one year.		
17.0	Supplier shall explain constructional features of machine.		
18.0	Safety features shall be provided to prevent damages during job loading, power failure, blade failure and over load protection.		
19.0	Recommended spare parts for 2 years normal operation to be quoted with price breakup. Ref. CI 3.24 (b) (3.25 to 3.30)		
20.0	Machine to be supplied in the ready to operate condition.		
21.0	Machine to be suitably painted to prevent rusting and corrosion.		
22.0	NOTE: Supplier to give pointwise reply of all the above points alongwith the catalogue, photographs and other relevant details.		