

BHARAT HEAVY ELECTRICAL LIMITED, JHANSI

Specification No.	6230
Item No.	MT-1/5/1549
Location	TRM BAY-7
Quantity	ONE NUMBER

NOTE:

1. VENDOR must submit complete information against clause No. 14.0 (Qualifying condition). The offer meeting this clause would only be processed.
2. The "offered" Column and where applicable, the "Deviations" Column of this format shall be filled in by the Vendor and submitted along with the offer. Technical details also submitted with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specification / requirements shall be treated as non-compliance.
3. The offer and all documents enclosed with offer should be in English language only.

SCOPE:

DESIGN, MANUFACTURING, SUPPLY, INSTALLATION AND COMMISSIONING OF SPACER CUTTING MACHINE AS PER SPECIFICATION GIVEN BELOW

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS
1.0	PURPOSE & WORK PIECE MATERIAL:			
1.1	Spacer cutting M/c required for cutting of press board including cutting blades and washers for cutting of different width of 20mm, 30mm, 40mm, 50mm, 60mm & 70mm (Specially designed for press board cutting)	VENDER TO CONFIRM		
2.0	SPECIFICATION	VENDER TO CONFIRM		
2.1	Thickness of Press Board to be cut Min. 03 MM Max. 25 MM	VENDER TO CONFIRM		
2.2	Max. width of press board can be feed for spacer cutting- 600 MM +/- 25 MM (Min.)	VENDER TO SPECIFY		
2.3	Min. length of Job can be feed for spacer cutting ---300 MM	VENDER TO CONFIRM		
2.4	Min. width of spacer can be cut -----20 MM	VENDER TO CONFIRM		
2.5	Max. width of spacer can be cut----- 60 MM	VENDER TO CONFIRM		
2.6	Variation of width: +/- 0.2 MM only	VENDER TO CONFIRM		
3.0	SPINDLE			
3.1	Power rating of spindle motor	VENDER TO SPECIFY		
3.2	High speed spindle for better finish and productivity	VENDER TO CONFIRM		
3.3	R.P.M of cutting blade	VENDER TO SPECIFY		
3.4	Length of the spindle/cutting Area Min. - 125 MM	VENDER TO SPECIFY		
4.0	FEED ROLLERS			
4.1	No. of feed rollers -04 Min.	VENDER TO SPECIFY		
4.2	Dimension of feed roller	VENDER TO SPECIFY		
4.3	Material of feed rollers must be SS with machine finish only	VENDER TO CONFIRM		
4.4	Power rating of feed rollers motor	VENDER TO SPECIFY		
5.0	CUTTING BLADES			
5.1	I.D. of Cutters/Blades	VENDER TO SPECIFY		
5.2	O.D. of cutters/Blades	VENDER TO SPECIFY		
5.3	Material of cutters/Blades must be TCT only	VENDER TO CONFIRM		
5.4	Make of cutters / Blades	VENDER TO SPECIFY		
5.5	Max. No. of cutters/Blades can be used	VENDER TO SPECIFY		
5.6	Min. No. of cutters/Blades can be used	VENDER TO SPECIFY		
6.0	DUST COLLECTING SYSTEM			
6.1	Power rating of motor for dust collectiong system	VENDER TO SPECIFY		
6.2	Hoses and clamps for dust collection ducts	VENDER TO CONFIRM		
6.3	Dust collection system with jute bages/dust collection bags	VENDER TO CONFIRM		
6.4	Detailed technical litrature of of Dust collecting system	VENDOR TO SUBMIT		
7.0	GENERAL			
7.1	Make of offered Machine	VENDER TO SPECIFY		
7.2	Model of offered Machine	VENDER TO SPECIFY		
7.3	Detailed Technical litrature of offered machine with G.A drawing	VENDOR TO SUBMIT		
7.4	Complete enclosed body for operator safety	VENDER TO CONFIRM		
7.5	Table, Guides and rollers should be SS material only	VENDER TO CONFIRM		
7.6	Anti-vibration pads for Machine	VENDER TO CONFIRM		
7.7	Dimensions (LXW) of Input & Out put table for job Feeding / holding	VENDER TO SPECIFY		
7.8	Control panel with Dust collection system on/off, Emergency switch etc.	VENDER TO CONFIRM		
7.9	Machine should be ready to use condition withall required accessorise	VENDER TO CONFIRM		
7.10	Floor area required (LxVxH) for complete system & accessories.	VENDER TO SPECIFY		
7.1	Total Weight of the M/c	VENDER TO SPECIFY		
7.1	Total Two set of TCT Saw and washer with the machine to is required to cut the spacer of width 20, 30,40,50,60 and 70 MM. (One set of saw and washer with machine and second set required as a spare set)	VENDER TO CONFIRM		
8.0	ELECTRICAL SYSTEM			
8.1	All the electrical components should be L&T/ Siemens / shnider make only	VENDER TO CONFIRM		
8.2	All the electrical motors should be Crompton/siemens/Bharat Bijlee/Havels/ ABB make only	VENDER TO CONFIRM		
8.3	415+/-10% 50HZ+/-3%, 3 phase AC (4 wire system with earthed) power: Supply Source will be provided by BHEL at a singal point.	VENDER TO CONFIRM		
8.4	All elctrical & electronic control cabinets & panels should be dust and vermin proof.	VENDER TO CONFIRM		

DESIGN, MANUFACTURING, SUPPLY, INSTALLATION AND COMMISSIONING OF SPACER CUTTING MACHINE AS PER SPECIFICATION GIVEN BELOW

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS
8.5	All electrical components in the cabinets should be mounted on DIN rail.	VENDER TO CONFIRM		
8.6	Max. Electrical load -	VENDER TO SPECIFY		
9	SAFETY ARRANGEMENTS:			
	The system shall includes protection against over current, short circuit, earth fault, phase failure protection etc.to avoid damage to the equipment, work piece and the operator due to the malfunctioning or mistakes.	VENDER TO CONFIRM		
10	TRAINING			
	Training to the BHEL machine operators for min. 4 days after commissioning to be provided by the supplier's engineers during their stay at BHEL works.	VENDER TO CONFIRM		
11	DOCUMENTATION			
	Operating and maintenance manual of the M/c with all drawing of electrical schematic, assemblies/sub-assemblies/parts including Electrical /Mech. diagrams. All Assembly /sub Assembly Drawing shall be supplied with the part list also.---03 No.	VENDER TO CONFIRM		
12	ERECTION & COMMISSIONING			
12.1	Vender to take full responsibility for the erection and commissioning of machine.Electrical power point, Air supply & Water supply shall be provided by BHEL at only one point to be indicated by supplier. Other requirement like crane, Trolley shall also be provide by BHEL if available at site. Details of the requirements should be informed by VENDOR in advance.	VENDER TO CONFIRM		
12.2	Tools, Tackles, instruments and other necessary equipments, required for commissioning shall be brought by the vender on returnable basis.			
12.3	No manpower shall be provided by BHEL for the commissioning of machine, Vendor shall make his own arrangement			
12.4	All civil work will be in the scope of BHEL JHANSI. However civil /Foundation drawing for E&C will be provided by vendor within 15 days after issue of purchase order			
12.5	Portion, if any of the system, accessories and other supplied item where paints has rubbed off or peeled during transit or erection should be repainted and merged with the original surrounding paints by the VENDOR for this purpose the VENDOR should supply sufficient quantity of touch -up paint.	VENDER TO CONFIRM		
12.6	Successful proving of M/c as per specification by supplier shall be considered as part of commissioning.			
13.0	GUARANTEE:			
	24 months from the date of commissioning of machine against any manufacturing defect.	VENDER TO CONFIRM		
14	QUALIFYING CONDITION			
	Only those venders, who have supplied and commissioned at least TWO No. spacer cutting M/c of similar or higher capacity in the last five year and such machine is working satisfactorily for more than one year (more then six months if supplied to BHEL) after commissioning, should quote.P.O.Copy & commissioning report/despatch documents must be submitted with offer. Documentary support pertaining to following points shall be submitted with the offer to justify the claim of qualification:	VENDER TO SUBMIT		
	A. Name of the customer / company where similar spacer cutting M/c installed.	VENDER TO SUBMIT		
	B. Complete postal address of the customer.	VENDER TO SUBMIT		
	C. Year of supplying / commissioning.	VENDER TO SUBMIT		
	D. Name and designation of the contact person of the customer.	VENDER TO SUBMIT		
	E. Phone, FAX, no and E-mail address of the contact person of the customer.	VENDER TO SUBMIT		
	F. Performance certificate from the customer regarding satisfactory working of machine for one year after commissioning supplied in last five year.	VENDER TO SUBMIT		
15	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.	VENDER TO CONFIRM		

Pradeep Kumar
Sr. Eng.(TRM)

Y.K.Dhingra
Dy.Mgr.(WEX)

Gajadhar
Sr.Mgr.(TRM)

Rishikesh Meena
D.G.M.(TRM)

S.Jchakraborty
A.G.M.(WEX)