

BHARAT HEAVY ELECTRICAL LIMITED, JHANSI

Specification no. 6229

Item no. MT/1/4/1548

Location BAY-5

Quantity ONE

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF MOTORISED GUILLOTINE MACHINE

Note :

- 1 VENDOR must submit complete information against clause No-11.0 (Qualifying Condition). The offer meeting this clause would only be processed.
- 2 The "Specified/to be confirmed by vendor" Colum and where applicable, the "Deviations" Colum of the format shall be filled in by the Vendor and submitted along with the offer. Technical details also submitted with the offer. Inadequate/ Incomplete. Ambiguous, of unsustainable information against any of the clauses of the specification / requirement 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, ERECTION & COMMISSIONING OF MOTORISED GUILLOTINE MACHINE AS PER SPECIFICATION BELOW




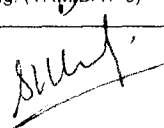
S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFY/ SUBMIT / CONFIRM BY VENDOR	OFFER	DEVIATIONS
1	PURPOSE & WORK PIECE MATERIAL:			
1.1	Foot paddle operated MOTORISED GUILLOTINE MACHINE with cutting blade is required for the cutting of CRGO (cold rolled grain oriented) steel lamination (97% steel and remaining silicon) thickness 0.2 mm to 0.3 mm with Adjustable sheet stopper arrangements for assorted sheets Qty-01 No.	Vendor to confirm		
2	SPECIFICATION PARAMETER			
2.1	Thickness of sheet to be cut 0.2 mm to 0.3 mm	Vendor to confirm		
2.2	Material of sheet to be cut -- CRGO SHEET (cold rolled grain oriented sheet used for manufacturing of transformer core)	Vendor to confirm		
2.3	Permissible Burr level -- 25 Micron (Max.)	Vendor to confirm		
2.4	Adjustable cutting angle range	Vendor to specify		
2.5	Sheet width may varies from 25 mm to 1200 mm	Vendor to confirm		
2.6	Sheet cutting length may varies from 100 mm to 1500 mm	Vendor to confirm		
2.7	Motor rating and RPM	Vendor to specify		
2.8	Motor make	Vendor to specify		
2.9	Stroke per minute (40 Min.)	Vendor to specify		
2.10	Table height 750-850 mm from floor level	Vendor to specify		
2.11	Table width (including before and after shear)	Vendor to specify		
	(A) Table width before shear	Vendor to specify		
	(B) Table width after shear	Vendor to specify		
2.12	Table length	Vendor to specify		
2.13	The table to have a precision finish to provide less resistance to the sheet being cut.	Vendor to confirm		
2.14	Back gauge Type & length	Vendor to specify		
2.15	Back gauge Distance from Shear (Min. & Max.)	Vendor to specify		
2.16	Side scale length before & after Shear	Vendor to specify		
2.17	Front guide No. ,type & size (if any)	Vendor to specify		
	(A) No. of Fix guide	Vendor to specify		
	(B) No. of adjustable guide	Vendor to specify		
2.18	Back guide No ,type & size. (if any)	Vendor to specify		
	(A) No. of Fix guide	Vendor to specify		
	(B) No. of adjustable guide	Vendor to specify		
2.19	Blade Material	Vendor to specify		
2.20	Blade Make	Vendor to specify		
2.21	Blade Hardness	Vendor to specify		

DESIGN, MANUFACTURING, SUPPLY, ERECTION & COMMISSIONING OF MOTORISED GUILLOTINE MACHINE AS PER SPECIFICATION BELOW				
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2.22	Blade size (LXWXT)	Vendor to specify		
2.23	No. of cutting edges in blade	Vendor to specify		
2.24	Option to change the blade in case of burr	Vendor to confirm		
2.25	Machine type --over/under crank	Vendor to specify		
2.26	Shear is provided with rolling key type clutch,from alloy steel	Vendor to confirm		
2.27	Break is provided on the main shaft giving sufficient adjustment to increase the performance and accuracy	Vendor to confirm		
2.28	Finger guard	Vendor to confirm & specify		
2.29	Hold Down -- No. and Type (if any)	Vendor to specify		
2.30	Gear, Fly Wheel detail & size	Vendor to specify		
2.31	Centralised lubrication System	Vendor to confirm		
2.32	Machine Make	Vendor to specify		
2.33	Machine Model	Vendor to specify		
2.34	Over all M/c dimension	Vendor to specify		
2.35	Floor area required for M/c	Vendor to specify		
3	SAFETY / PROTECTION			
3.1	The equipment shall be fully safe in operation with all safety measure. Necessary guards and protection covers are to be provided to protect the equipment.	Vendor to confirm		
3.2	Over current, over voltage and any other for the protection of system/ equipment are to be included as well as suitably interlocked for the safe operation.	Vendor to confirm		
3.3	Details of safety devices incorporated.	Vendor to specify		
4	ACCESSORIES AND TOOLKITS			
4.2	The MOTORISED GUILLOTINE MACHINE shall be supplied complete with all standard accessories and in ready to use condition.	Vendor to confirm & submit		
4.3	List of standard accessories & tools to be supplied with M/c	Vendor to submit		
5	PAINTING			
5.1	Two coats of red oxide metal primer and finished with two coats of synthetic enamel paint of verdigris green paint.	Vendor to confirm		
6	DOCUMENTATION :			
6.1	During participation in technical Bid.			
6.1.1	G.A. Drawing.	Vendor to submit		
6.1.2	technical literature	Vendor to submit		
6.2	After Receipt of Order: (For approval)			
6.2.1	GA drawing	Vendor to confirm		
6.2.2	Electrical schematic and control circuit diagram	Vendor to confirm		
6.2.3	Vendor will provide foundation drawing/design with in 15 days after receipt of order.	Vendor to confirm		
6.3	With the supply			
6.3.1	Maintenance manual, operation manual of m/c. Spares - part list concerned drawing of spares. - 3 set	Vendor to confirm		
6.3.2	Catalogues, of all bought out items including drawings - 3 set	Vendor to confirm		
6.3.3	Electrical schematic and control circuit diagram - 3 set	Vendor to confirm		
7	DETAILS TO BE SUBMITTED WITH THE OFFER			
7.1	Dimensioned outline general arrangement drawing	Vendor to submit		
7.2	Any special tools required for maintenance of the equipment item wise price details.	Vendor to specify		
7.3	Total electrical load	Vendor to specify		
7.4	Total weight of the equipment.	Vendor to specify		
7.5	Requirement of power, water, air etc with details like quantity and pressure.	Vendor to specify		

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S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFY/ SUBMIT / CONFIRM BY VENDOR	OFFER	DEVIATIONS
8	TRAINING			
8.1	Training to our operator, maintenance staff to be done at the time of commissioning of the equipment. (NOT LESS THAN THREE DAYS)	Vendor to confirm		
9	GUARANTEE:			
9.1	24 Months form the date of commissioning of the M/c against any design or manufacturing defect.	Vendor to confirm		
10	GENERAL			
10.1	The equipment will be inspected & tested at supplier works by our representative prior to dispatch.as per specification.	Vendor to confirm		
10.2	supplier to take full responsibility for carrying out the erection & commissioning,start up testing of machine,its control with all tools and labour	Vendor to confirm		
10.3	civil work related to foundation will be in the scope of BHEL.(vender to submit foundation drawing within 15 days from the date of issue of P.O.)	Vendor to confirm		
10.4	Civil work/ foundation will be carry out in supervision of supplier's representaive only			
10.5	415v +/- 10%, 50 hz ,03 phase ac powe supply will be provided by BHEL at a single point near the machine, as per layout recommended by vender	Vendor to confirm		
10.6	All electrical panel should be dust and vermin proof	Vendor to confirm		
11	QUALIFYING CONDITION			
11.1	Only those OEM/authorised agents(authorisation letter must be enclosed with offer), who have supplied and installed at least five no of MOTORISED GUILLOTINE MACHINE (same or heigher capacity) in last five year should quote. P.O. COPY & INSTALLATION/COMPLETION REPORT must be submitted.	vender to submit		
12	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.	Vendor to confirm		

 Eng. (TRM/BAY-5)	 Sr. Eng (WEX)	 Sr. A.G.M (TRM-PT)
 A.G.M (WEX)		