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Technical Specification of Under Crank Mechanical Shearing Machine

Requisition No.:-63708477

Date:- 27.12.2012

Major Parameter	1.0 Purpose & Capability		i) Cutting MS Sheets for the destination Boards ,V-Boards & other LMF items like APD'S ,Door stopper, patchwork. ii) Machine shall be capable of cutting various mild steel/ carton steel sheets/ stainless steel up to 4 mm thickness & 1200mm in width.
	2.0	Design Features	1) The machine shall be of robust design and construction, designed for ease of handling and operation by single man. 2) Super Strong bed of closed box type construction. with suitable guards for the safety of the machine & operator
	2.1	Frame	Rigid Steel Frame of shears are optimally designed to avoid weak section at load support and is of inter locking arrangement The frame is strain free and eliminate welds at load support. The ram is guided throughout its length by accurate machined guideways ensuring proper clearance and clean cut.
	2.2	Bed	Super strong bed of closed box type construction stress relieved shall form the rigid backbone for the shear and a solid backing for the knife. Dovetail slots in front of the bed shall be provided for front gauge. Provide slots on top of the bed for machined pad across the bed for convenient setting of front gauge brackets at any desired spacing. Depression in the top of the bed to provide ample clearance for fingers in handling sheets narrower than the bed.
	2.3	Finger Guard	Finger Guard should be fitted for operator safety without obstructing viewing.
	2.4	Motor & crank	440 volts, 3 phase, 5HP motor with suitable starter & safety device. Cutting speed 50 stroke/min.
	2.5	Table Size	Height 800mm & width 450mm (Approx)
	2.6	Cutter/ Blade Size (approx)	Length 1270mm , width-63mm & blade thickness 18
	2.7	Machine Size (approx)	L- 2300MM , W- 1500mm , H- 1300mm & Weight 2000 Kg
	Concomitant Accessories	3.0	

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Optional Accessories	4.0		The supply shall include all the equipments as detailed in the specifications and any other accessory/ equipment which in the opinion of the tendered can contribute to better performance shall be clearly indicated & quoted separately.
Spares	5.0		Two lists of recommended perishable and non perishable spares required for normal maintenance to cover complete range of mechanical and Electrical equipments (including controls shall be furnished separately). The quantities shall relate in case of non -perishable spares to two years normal maintenance and in case of perishable spares to the duration of its self life or two years whichever is less.
Warranty	6.0		The equipment shall be guaranteed for satisfactory and trouble free operation for a period of 24 months from the date of commissioning or 30 months from the date of supply, whichever is earlier.
AMC	7.0		The bidder shall quote for annual maintenance charges including capital, normal and consumable spares for each set of equipment for a period of 3 years after expiry of warranty period. The AMC contract shall include besides breakdown attentions.
Special Requirement	8.0	Training	i) In order to ensure highest utilization and keeping the Machine in proper working order, adequate number of staff will have to be trained in operation and maintenance of machine.
	8.1	Installation & Commissioning	i) Contractor shall commission the machine within 30 days from the date of intimation by the consignee regarding readiness of the site. ii) Contractor or his agent would be required to inspect the consignment at the consignee end before unpacking is done and carry out a joint check of receipt of component. iii) The equipment performance shall be demonstrated by the contractor or his agent after receipt at the consignee's works. iv) The contractor shall send the foundation drawing if necessary for the machine to the consignee before dispatching the machine.

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Annexure-II

To be submitted by the firm along with offer

Tender specification as per Annexure-I	Specification quoted by the firm	Deviation if any with clarification

Signature of firm's