

Revised 14/11/18

Three Roller Plate Bending Machine

1	Bending Capacity (Maximum) (plate of tensile strength of 45 Kg/mm ²)	Up to 12 x 1500 mm 3 roll PYRAMID type design machine with double pre-pinching arrangement.
2	Bending Capacity (Minimum)	3 mm x 2000 mm
3	Bending Length	2000 mm
4	Top Rolls	230 or less
5	Bottom Rolls	200 mm or less
6	Motor	15 HP or less <ul style="list-style-type: none"> Electric motors of reputed makes (KIRLOSKAR/SIEMENS/CROMPTON/ABB. Switch gear from L&T/TC/BCH/SIEMENS. <p>The OEM to provide catalogue / drawings of the items offered.</p>
7	Essential Items	Federer Roller Stand Both Side (In & Out) 1500 mm (width) x 1000mm (Length) x Height to Suit (Machine Bottom Roller Height)
8	Standard Construction	<ul style="list-style-type: none"> The robust welded structure is made of UT tested IS: 2062 M.S. plates. Both Bottom roll adjustments are done by hydraulic cylinders for double pre-pinching. Bending rolls are made of alloy steel. Bottom rolls are power driven rolls. Motorized end dropper arrangement. Main drive motor. Manual centralized lubrication system. Reverse / Forward roll drive with overload protection MOVABLE ELECTRIC CONTROL PANEL DESK
9	Optional Item (Quoted Separately & for information only, Not to be considered in evaluation of L1)	Optional items if any for smooth operation of machine OEM has to be mentioned & Quote
11	PRE DESPATCH INSPECTION	Before inspection of the machine at OEM's works, Test pieces will be carried out by the OEM. All the tooling, work holding devices & Standard test piece will be supplied by the OEM at free of cost.
12	INSTALLATION & COMMISSIONING OF THE MACHINE	Installation, commissioning & proving of the machine to its desired capacity and complete at Customer site and will be done by the OEM's engineer. Commissioning work

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		<p>including acceptance test/component trial will be carried out by the OEM's Expert.</p> <p>During commissioning at least 10 nos. Of different thickness and materials test pieces will be produced on the machine and test pieces will be inspected for dimensional accuracy.</p> <p>The commissioning will be treated as complete when we issue the certificate of acceptance. Installation, commissioning & proving of the machine to its desired capacity and complete satisfaction</p>
13	TRAINING	The OEM shall have to provide onsite training to 3-5 persons exclusively for minimum seven working days in the field of programming, operation, maintenance (mechanical/hydraulic/electrical) etc.
14	WARRANTY & SERVICE BACK UP	The complete machine must have comprehensive onsite warranty from the date of successful commissioning as per below period: 12 Months
15	DOCUMENTATION	<p>Three sets of hardcopy in English language and one set of soft copy in English language Programming, Operating and Maintenance manual .</p> <p>a) Mechanical b) Electrical</p>
16	IMPORTANT Notes	<ul style="list-style-type: none"> • Vendors should provide in the technical document compliance sheet against the specification of CSIR-CMERI. • Comments like yes, agreed, will be given at the time of supply, confirmed and will be completed ARE NOT ACCEPTABLE where numerical values are required to be quoted. • THE MACHINE MODEL BEING OFFERED MUST BE A STANDARD LATEST MODEL. • THE DATE OF DISPATCH SHOULD BE WITHIN ONE YEAR FROM DATE OF MANUFACTURING. • THE OEM MUST HAVE AT LEAST 15 INSTALLATIONS OF THE OFFERED SYSTEM IN INDIA (DOCUMENTARY EVIDENCE MUST BE SUBMITTED).

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