

“Hydraulic Press Brake Machines” (On Turnkey Basis)

Code No. -----

Qty. – 01 Set

Purpose: Hydraulic Press Brake Machine for bending of MS/AL/SS sheet.**Specifications:**

S. NO.	DESCRIPTION OF REQUIREMENT	REQUIRED
A	Technical Data	
1	Tonnage: Vendor to design tonnage based on attached tender drawings and as per below mentioned sheet thickness.	Vendor to specify
2	Bending Capacity	
2.1	Minimum sheet width	1200 mm
2.2	Minimum MS/AL sheet thickness	At-least up-to 6 mm
2.3	Minimum SS sheet thickness	At-least up-to 4 mm
3	Table size (length x width)	Min. 1500 x 200 mm
4	RAM stroke (adjustable)	Min. 150 mm
5	RAM speed	
5.1	Approach	At-least up-to 35 mm/sec.
5.2	Pressing	At-least up-to 05 mm/sec.
5.3	Return	At-least up-to 40 mm/sec.
6	Open height	350 mm ± 10%
7	Throat Depth	Min. 200 mm
8	Clear pass	Min. 1100 mm
9	Motor power (3 phase, 415 V (±10%), 50 Hz (±3%))	Vendor to specify suitable motor power capacity
10	Oil tank capacity	Vendor to specify suitable tank capacity
11	Back gauge X-axis travel	Min. 600 mm
12	Standard accessories	
12.1	Electrical control panel with selection of 'AUTO' 'INCH' & 'SINGLE CYCLE AUTO' mode operations.	Confirm
12.2	Hand switches	Confirm
12.3	Foot switches	Confirm
12.4	Lifting switches	Confirm
12.5	Limit switch	Confirm
12.6	Front and rear Sheet supports for long sheet	Confirm
12.7	Emergency stop button	Confirm
12.8	Tooling set consisting of multi V die & punch suitable for bending up-to 6 mm thick sheet. (Vendor to design tools for bending all attached component drawings.)	1 set
12.9	Centralized & auto lubrication system with flow control valves for adequate lubrication.	Confirm
B	General condition	
13	Electrical system should be compatible with:	
13.1	3 Phase, 415 V (±10%), 50 Hz (+ 3%)	Confirm
13.3	Machine should have capability to handle voltage, current and frequency fluctuation, necessary protection to be provided.	Confirm
C	Documentation: Following documents (3 sets of hard copy and 1 set of soft copy) along with delivery will be required	Confirm
14	Operation and maintenance manual	Confirm

15	Maintenance Schedule	Confirm
16	Lubrication chart & parameter list	Confirm
17	Lifting instruction mentioned in packing list.	Confirm
18	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm
D	Installation & Commissioning:	
19	The complete installation and commissioning must be carried out by the supplier at ALIMCO Kanpur. Certificate of acceptance is to be signed by customer and supplier.	Confirm
20	All necessary spares & accessories not mention and needed for smooth functioning of machine are in Vendor Scope	Vendor to Specify & Confirm
21	Any civil work related to installation to be done by vendor	Confirm
22	Vendor to ensure loading and unloading of material at site	Confirm
23	Vendor to ensure handling facility at site during erection.	Confirm
24	Training must be provided at final destination place	Confirm
24.1	Operator training	Min. 2 days
24.2	Maintenance course mechanical and electrical.	Min. 2 days
25	Prove out:	
25.1	Vendor to perform complete trial run and prove out of tender drawings.(Perform bending operation only)	Confirm
26	Service	
26.1	The authorized Service Partner (Name, Address & Phone No.) must be certified by manufacturer and shown in the quotation	Confirm
26.2	Initial fill of hydraulic oil along with machine, is in vendor's scope	Confirm
26.3	Lubrication oil (min. 5 litres) along with machine, is in vendor's scope	Confirm

DELIVERY PERIOD INCLUDING INSTALLATION & COMMISSIONING:

The delivery period including installation & commissioning of all of the machines at the destination mentioned in Para 1 on page no. 02 of the tender documents will be 2 months from the date of placement of Purchase Order/work contract.

WARRANTY:

The entire machine inclusive of all system/accessories should be covered under warranty for a period of 24 months (min.) from the date of installation & commissioning.

Note:

1. Breakdown calls to be attended within 48 hrs.
2. Supply to be done on Turnkey Basis.
3. The Bus bar trunking (BBT) for electricity has been provided at 8.5 meter height. Sufficient suitable cable, cable tray, circuit breaker, fittings to connect the machine from power source is in vendor's scope.
4. Total power consumption (in kW) to be provided by the tenderer.
5. Vendor to arrange civil foundation work, if required, for installation of machine.