

**CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE
MG AVENUE, DURGAPUR – 713 209 [WEST BENGAL]**

AMENDMENT TO CSIR-CMERI BIDDING DOCUMENTS AFTER PRE-BID CONFERENCE

File Ref	Brief Description of the Item
PUR/197/ADMAC/02/2016-17	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF CNC HYDRAULIC PRESS BRAKE CAPABLE OF BENDING UP TO 12MM THICK MS PLATE

The following amendments have been made to the Technical Specifications

Section No.	Specification detailed in CSIR-CMERI bidding document (Ref: PUR/197/ADMAC/02/2016-17)	Amended Specification (After Pre-Bid Conference)
1.00	configuration X1- R1- Z1 -X2	Sketch as shown
2.08	Ram Tilting adjustment Facility	Deleted

REVISED ESSENTIAL CRITERIA AFTER INCORPORATION OF AMENDMENTS

Essential criteria

CAPACITY: (A printed catalogue must be attached)

1. Tonnage (Minimum) : 300 Ton
2. Bending Capacity : 12mm x 3000mm (M.S.) or higher
3. Clear Pass (Minimum): 3000mm
4. Table Size (Minimum) : 300mm x 4000mm
5. Standard Stroke (Minimum): 200mm
6. Open Height (Minimum): 400 mm
7. Throat (Minimum) : 300 mm
8. Minimum Ram Speed (mm/s) : Approach : 19, Pressing : 05 , Return : 30
9. CNC controlled backgauge Range X-Axis range : 600 to 1000 mm or higher
10. Backgauge X-Axis Travel (Minimum) : 600 mm
(with X1 and X2 CNC control for inserting odd shaped sheet metal blank)
11. CNC controlled Ram motion Y-Axis Travel (Minimum): 200 mm

<p>Ram synchronous motion (Y1 and Y2) for dual cylinder hydraulic system</p> <p>12. Backgauge Z1 and R1 CNC motion control to do finger width and depth variation from console.</p> <p>13. The CNC configuration X1- R1- Z1 -X2 to handle a wide variety of sheet metal bending jobs.</p> <p>14. X-Axis & Y-Axis and Z Axis position Accuracy : 0.05 mm or better</p> <p>15. Manual micro adjustment for other non-controlled axes separately</p> <p>16. Centralized & Auto lubrication system with flow control valves for adequate lubrication.</p> <p>17. Hardened Ground Ball Screw and Linear motion bearing for better position accuracy and longer life.</p>	
<p>It must have Laser Safety/Protection System while operating this machine, having adjustable height and interrupts the bending process if the laser beam is broken.</p>	
<p>The Controller must have all the following facilities with inbuilt programming.</p> <ul style="list-style-type: none"> • LCD Screen with numeric key pad • Manual, Auto, & Programme Mode selection • Bend Angle & Depth mode program with Stroke Control & Stroke Counter on Screen. • Minimum 50 programs & Minimum 8 bends per program • Automatic bending sequencing. • Technical Parameter/ Database. • New Tool defining capability. • Collision detection. • Movable Work Station with Pair of Footswitch 	
<p>Overload Limiter, Under voltage Monitoring & Protection</p>	
<p>Hydraulic oil temperature sensor. Safety Package for Power Failure</p>	
<p>All the Essential Items must be as per Section 10.00</p>	
<ul style="list-style-type: none"> • 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 5 installations of the offered system globally. (Documentary evidence must be submitted). 	

THE DEADLINE FOR SUBMISSION OF BIDS / DATE OF OPENING OF TECHNO-COMMERCIAL BIDS OF THE AFORESAID TENDER IS ALSO EXTENDED AS SHOWN BELOW :

REVISED DEADLINE FOR SUBMISSION OF BIDS	09 MARCH 2017 UPTO 2.30 PM IST
REVISED DATE FOR OPENING OF TECHNO-COMMERCIAL BIDS	09 MARCH 2017 AT 3.00 PM IST

THE BIDDING DOCUMENT OF THE ABOVE CSIR-CMERI TENDER IS AMENDED TO THE EXTENT INDICATED ABOVE. ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.
THE ABOVE AMENDMENTS ALSO AMOUNT TO AMENDMENTS OF THE RELEVANT PROVISIONS OF THE BIDDING DOCUMENTS

STORES AND PURCHASE OFFICER