



# Advanced Manufacturing Technology Development Centre

Centre of Excellence on Machine Tools and Production Technology, IIT Madras  
Registered as a society under Tamil Nadu Society Registration act, 1975 - Reg. No. 421/2016



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Ref: AMTDC/EQUIPMENTS/2021/001

DATE: 11.01.2021

DUE DATE: 21.01.2021

Dear Sir,

Quotations are invited for “Hydraulic Press” as per the technical specification shown below/overleaf/enclosed document. (Annexure – 1)

Accessories

1. The quotations have to be sent to the following Address in the sealed cover.

The Secretary,  
Advanced Manufacturing Technology Development Centre,  
Ground floor, 'B' Block, IIT Madras Research Park  
Kanagam Road, Taramani, Chennai – 600 113

2. Send the quotation by post/courier/in person on or before 21.01.2021. Fax and Email quotations are not acceptable.

3. Quotations must be valid for 60 days from the due date and **period of delivery required, warranty terms etc. should also be clearly indicated.**

4. GST if applicable and such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. If this is not indicated no such claim will be admitted at a later stage.

5. The items should not be supplied before releasing an official Purchase order.

6. If the item is under DGS&D Rate Contract, Number and the Price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so, please send copy of the RC.

7. 100% of the payment will be made after the supply of the Instruments and installation. Installation has to be completed within a week.

8. Warranty: Warranty period should specifically be given. Free up-gradation and technical support will be provided, should be given in the quotation.

9. The technical compilation report has to be submitted along with the quotation.

10. **Acceptance and Rejection:** - AMTDC has the sole right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason.

11. For all other information or technical clarifications, please send the email.

Email: [accounts@amtdc.org](mailto:accounts@amtdc.org) Phone: 66469825 / 42022629

Yours faithfully

*PC Pooja*  
09/01/2021  
Accounts Officer/ AMTDC

**ACCOUNTS OFFICER**  
Advanced Manufacturing Technology  
Development Centre, IIT Madras Research Park

## ANNEXURE – 1

# Hydraulic Press Technical Specifications

| S. No | Descriptions                  | Specifications                                                                                                                                            | Unit   |
|-------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1.    | Type of press                 | Bottom to Up approach, Vertical Press                                                                                                                     |        |
| 2.    | Type of construction          | Four pillar hydraulic                                                                                                                                     |        |
| 3.    | Maximum Force                 | 40                                                                                                                                                        | Ton    |
| 4.    | Minimum Force                 | 0.5                                                                                                                                                       | Ton    |
| 5.    | Feed rate                     | Minimum feed rate – 1<br>Maximum feed rate – 50                                                                                                           | mm/min |
| 6.    | Heated Platens                | Yes. Both platens (Bottom and Up) to be heated.                                                                                                           |        |
| 7.    | Platen size                   | 470 * 470                                                                                                                                                 | mm     |
| 8.    | Platen temperature ranges     | 0 to 200                                                                                                                                                  | °C     |
| 9.    | Platen temperature tolerances | ± 5                                                                                                                                                       | °C     |
| 10.   | Ram stroke                    | 200                                                                                                                                                       | mm     |
| 11.   | Daylight opening              | 0 to 350                                                                                                                                                  | mm     |
| 12.   | Work Table size               | 450 * 450                                                                                                                                                 | mm     |
| 13.   | Operating system              | PLC (Must be integrating with Scada Systems)                                                                                                              |        |
| 14.   | Pressure control              | PLC (Must be integrating with Scada Systems)                                                                                                              |        |
| 15.   | Temperature control           | PLC (Must be integrating with Scada Systems)                                                                                                              |        |
| 16.   | Stroke control                | PLC (Must be integrating with Scada Systems)                                                                                                              |        |
| 17.   | Pressing Time                 | 0.5 to 8                                                                                                                                                  | min    |
| 18.   | Special Requirements          | 1. Platen's parallelism will be less than 100 microns.<br>2. Should be integrated with SCADA Systems.<br>3. Water Cooling is required for heated platens. |        |

*[Handwritten Signature]*  
[ Engineer ]