

**MSME TOOL ROOM :HYDERABAD  
(Central Institute of Tool Design)**

**TECHNICAL SPECIFICATIONS OF CONVENTIONAL  
MILLING MACHINE VERTICAL, HORIZONTAL & UNIVERSAL**

S.No.	Required specifications	
1.	Working Surface	1500x300
2.	Longitudinal travel	700 to 900mm
3.	Cross travel	250 to 300mm
4.	Vertical travel	350 to 450mm
5.	Quill travel	Min. 100mm
6.	Spindle speeds/ No.of speeds	40 to 1800 rpm 12 to 18
7.	No.of feeds- Longitudinal Cross Vertical	12 to 18 12 to 16 12 to 16
8.	Taper Spindle	ISO40
9.	Swivelling angle	45° each side
10.	No. Of T slots	3 or more
11.	T Slot Size	14/16mm
12.	Motor with electrical controls	3HP -400 Volts 50Hz 3 phase

**ACCESSORIES FOR CONVENTIONAL MILLING MACHINE VERTICAL  
HORIZONTAL & UNIVERSAL**

S.No.	Required Accessories per Machine	Quantity
1.	Draw Bar	01
2.	Splash guard	01
3.	Chip Tray	01
4.	Coolant Pump	01
5.	Collet Chuck/adaptor ISO - 40	5 sets
6.	Collets suitable for above chuck	Ø 4 to 25mm
7.	Swivel base M/c.vise	6"
8.	Universal Dividing head with tail stock and change gear/hole plates	6"
9.	Rotary Table (along with indexing hole plates)	Ø 250 mm
10.	Set of operating & manual & Spare parts manuals(Electrical & Mechanical)	3 sets
11.	2 years spare parts	To be quoted separately
12.	Anti vibration pads	One set
13.	Stub Arbour	ISO 40 – Ø 19 and Ø 22mm
14.	Geometrical test certificate for the machine	To be supplied with machine in standard proforma with achievable accuracies

Note: Spares quoted should be suitable to the machines and also suggest the essential spares for better utilization of the machine.

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**GENERAL TERMS & CONDITIONS**

1. CITD being the premier training institute in Tool Engineering, the supplier should quote competitive prices applicable to all educational institutions.
2. Quotations should be addressed to the Principal Director, Central Institute of Tool Design, Balanagar, Hyderabad 500 037.
3. Late Tenders are liable to be rejected
4. Quotations should be submitted in sealed bids in two separate envelopes Part-I containing documents of proof of being reputed manufacturer and containing technical bids along with earnest money deposit and Part-II containing commercial and price bids in duplicate. These two covers should be sealed individually and both should be put in another sealed cover superscribed with tender No. and date and name of the item. The price bids (Part-II) of the parties whose bids, which are technically meeting the requirements of the Institute will be opened separately. The bidders whose offer meet the technical requirements of the Institute shall be communicated about the date & time of opening of price bids at a later date.
5. Quotations should clearly indicate the minimum time required for effecting supply & the date of delivery should be strictly adhered to. Time is the essence of the contract and the Institute reserves the right to levy liquidated damages @1% of the order value for each week of delay or part thereof subject to a maximum of 5%.
6. Quotations submitted shall be valid for a minimum period of 120 days from the date of opening.
7. The quotations should accompany an interest free EMD prescribed in advertisement by way of crossed Demand Draft obtained from any Nationalized Bank drawn in favour of Central Institute of Tool Design, Hyderabad 37 or cash/equivalent Bank Guarantee. Quotations without EMD shall not be considered except from firms registered with DGS&D for the particular item/model and NSIC/Public Sector Units . The EMD is liable for forfeiture in case the party fails to execute the order in full part as per the terms and conditions of the order and the Institute may at its option recover all the damages, losses and expenses resulting out of such breach of contract.
8. The Institute reserves the right to alter, cancel, accept, modify vary any terms, quantities, conditions and change the specifications etc., or reject the quotations either fully or partly without assigning any reason therefor.

9. Any order resulting from the enquiry shall be governed by the general terms and conditions of contract of CITD.
10. Where counter terms and conditions of business have been offered, CITD shall not be deemed to be governed by these, and bound by them unless specific written acceptance thereof has been given by CITD.
11. The price must be shown separately for each item, percentage of reduction, if any, in the total price.
12. The Institute reserves the right to increase or decrease the quantity at the time of placing firm order.
13. The Institute reserves the right to reject the material if found substandard and not as per specifications and supplier must make arrangements to replace the same with correct material at the premises of the Institute in case of rejections, immediately within a period of 15days. The party shall bear all costs and expenses involved in such an event.
14. The quotations should clearly indicate the percentage of tax, excise duty, octroi charges and other levies and also furnish the APGST and CST certificate numbers.
15. The Institute will issue "C" form wherever necessary.
16. The income tax at source will be deducted from the bills wherever applicable.
17. Parties are required to submit their sealed quotations superscribing on the left side of the envelope the details of tender notifications, last date and the item for which the tender is submitted.
18. The offers quoted shall be for free delivery of stores at the premises of the Institute. For outstation parties, the supplies must be for door delivery at the premises of the Institute FREIGHT PAID. All goods liable to damage or deterioration in transit must be insured which should be arranged by the suppliers at their own cost.
19. As a policy, the Institute will not make any advance payment or allow documents for negotiation through Bank. However, the bills are normally cleared with 60 days time subject to our inspection and acceptance and also further subject to supplier's compliance of the purchase order conditions fully. However, parties are not entitled to claim any interest for the payments made beyond 60days.
20. Mere participation in the tender and offering of lowest rates does not confer any right on any party for placing order on them.

21. All the disputes arising out of the contract shall be subject to HYDERABAD Jurisdiction only.
22. Parties are required to effect supplies, commission and install the machinery/equipment/items at any place in the State of **Andhra Pradesh** designated by the Institute and extend/maintain warranty/guaranty at such places, Guaranty/Warranty commences from the date of completion of installation/commissioning and Training.
23. For all the matters concerned to and not covered herein above, the decision of Principal Director shall be final and binding on the parties.
24. Besides standard warranty for 12 months from the date of Installation & Commissioning, parties should quote prices separately for additional two years warranty.
25. Parties should give performance Bank Guarantee for the equipment design, material used and for workmanship during the standard warranty period and also for subsequent two years warranty for a value of 10% of the total value.
26. The offers must contain the details of compulsory accessories optional accessories, spares separately and quoted item –wise in the tender.
27. Commissioning./erection charges if any extra should be specifically quoted separately with details of labour charges.
28. The equipment offered shall be strictly conforming to the specification and for complete unit with correct accuracies as per standard dimensions mentioned.
29. CITD will have the option to pre-inspect the machine/equipment at suppliers works by its own inspector or by third party agency appointed for this purpose. The final inspection will however be carried out at CITD works at Hyderabad.
30. Suppliers must submit their offer alongwith the list of customers (with their full address and their purchase reference number) to whom they have supplied similar machine in the past five years. The date of supply should also be indicated.

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