

**Tender Document**  
**Department of Chemical Engineering**  
**Indian Institute of Technology Kanpur**  
**Kanpur, Uttar Pradesh (208 016)**

**Enquiry Date: 29.09.2021**

**Closing Date: 13.10.2021**

**Opening Date: 18.10.2021**

Enquiry Number: IITK/CHE/MSHOP/21-22/002

**TECHNICAL SPECIFICATION FOR ALL GEARED LATHE MACHINE:**

MACHINE PARTICULARS ....	VALUE....
CENTER HEIGHT	205
SWING OVER CROSS SLIDE	255
WIDTH OF BED	250 MM
ADMITS BETWEEN CENTER	1000 MM
SPINDLE BORE	52 mm
SPINDLE NOSE	D1-6
TAPER OF SPONDLE NOSE	MT-6
SPINDLE SPEED	16/ 45-1800 RPM
COMPOUND REST TRAVEL	140 MM
CROSS SLIDE TRAVEL	210 MM
LEAD SCREW THREAD	4 TPI
LONGITUDINAL FEEDS	0.05—1.7 mm/rev.
CROSS FEEDS	0.025—0.85 mm/rev.
TOOL SHANK SIZE	20*20 mm
METRIC THREAD	39/0.2-14 MM
TAIL STOCK QUIL DIAMETER	50 mm
TAIL STOCK QUILL TAPER	MT-4
MAIN MOTOR POWER	3 HP 440 VOLT
COOLENT PUMP	REQUIRED WITH 1MM NOZZELE
NET WEIGHT	APPROX 1 TON

THE MACHINE SHOULD BE EQUIPED WITH STANDARD ACCESSORIES & FOLLOWING ITEMS: -----

4 JAW INDEPENDT CHUCK  
4 JAW SELF CENTERING CHUCK  
2 – AXIS DRO  
TAPER TURNING ATTACHMENT  
TOOL POST GRINDER  
KEY WAY MILLING ATTACHMENT

Note	Tender should be addressed to the undersigned. Please mention tender enquiry number on top of the envelope  <b>Professor Animangsu Ghatak</b> <b>Head, Department of Chemical Engineering</b> <b>IIT Kanpur – 208 016</b> <b>Contact number: +91-512-259-7861</b>
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