



## RAJKIYA ENGINEERING COLLEGE AZAMGARH

राजकीय इंजीनियरिंग कॉलेज  
देवगाँव, आजमगढ़, (उ.प्र.), भारत

AN AICTE APPROVED GOVERNMENT ENGINEERING COLLEGE, AFFILIATED TO DR. A.P.J.  
ABDUL KALAM TECHNICAL UNIVERSITY, LUCKNOW

<http://gecazamgarh.ac.in/>  
**Limited Tender Enquiry**

Ref No: REC/TEQIP-III/2018-19/ 26

Date: 01/11/2018

To

*Reference to this letter must be mentioned on the envelope containing your bid*

### **SUB: Limited tender enquiry for CNC Lathe under TEQIP - III**

Sir,

Bids are invited in sealed envelope as per below mentioned course content of **CNC Lathe** –under TEQIP III

#### TECHNICAL SPECIFICATIONS CNC TURNING CENTRE

TECHNICAL SPECIFICATION OF CNC TURNING CENTER	
CNC Turning Centre With Siemens/Fanuc Control System	
<b>CAPACITY</b>	
Chuck Size	(150-175) mm
Chuck Actuation	Hydraulic
Maximum turning Diameter	(200-250) mm
Maximum turning Length	(300 - 350) mm
No. of axes	2 no. (X, Z)
Swing over way covers	(400-450) mm
Swing over cross slide	(160-170) mm
Distance between centres	(400 - 425) 410 mm
<b>ACCURACY</b>	
Positioning Accuracy	0.01 mm
Repeatability	± 0.005 mm

<b>SPINDLE</b>	
Spindle nose taper	A2-5 or equivalent
Bore through spindle	~50 mm
Programmable spindle speed	150 – 6000 rpm
Spindle motor	Standard, Continuous Rating 5.5 kW/ 15 minutes rated output 7.5 kW, 415V, 3 Ph., 50 Hz
<b>CNC Controller</b>	
Control system	SIEMENS/FANUC Controller
Turret	
Tool cross section	25 x 25
No. of Station	8 no. (BTP 80)
Boring bar size(capacity)	~ 40 mm
Axes	
X- axis travel	(120-140) mm
Z - axis Travel	(300 -400) mm
Precision Ball Screw X / Z	Ø32 x 10 mm - C3 Class
Programmable feed rate	0-10000 mm/min
Rapid feed rate	(25- 30) m/min
Slides	
Tailstock	
Tail stock base travel	(180-200) mm
Quill Diameter	(70-90) mm
Coolant / Lubrication	
Capacity	100 L
Coolant motor	0.5 HP
Lubrication	Automatic
Machine dimensions	

L x W x H	3000 x 2000 x 2000 mm
<b>Standard Equipment.</b>	
- Back-up software disc.	
- Instruction and Programming Manuals on CD-ROM for self-printing.	
- Spanners, keys	
- Machine lighting.	
- Flood coolant equipment	
- Levelling pads and jacking screws	
- Heavy duty anti-vibration pads	
<b>Safety</b>	
- Fully enveloping transparent High Impact chip/work guards with Fail-safe switch interlocks.	
- Earth leakage current breakers fitted.	
- Emergency stop latching button.	
- Isolator switch lockable with padlock.	
- Integral electrical panel with no volt protection.	
- Positive end stops on all axes.	
- Low voltage control circuitry.	
- Ergonomic positioning of machine controls.	
- Full graphical on screen test simulation prior to machining operation.	
- Absolute zero datum facility.	
<b>SET OF TOOLING PACKAGE AS MENTIONED BELOW</b>	
a) Set of 5 external turning carbide tool holders with inserts as described below	
Turning & Facing Tool holder	3 no.
Copy Turning Tool Holder ( LH, RH, N)	3 nos. (each 1no.)
Threading Tool Holder	1 no.
b)Set of 3 Internal boring carbide tool holders with inserts as described below	
Boring bars	2 nos.
Internal threading	1 no.
c) Centre drill dia shank dia 8mm	1 no.
d) Twist Drill dia 6,8,12 & 16 mm	4 nos. (each 1 no.)
Stabilizer and other protection devices be included as the integral parts of the equipment	

## Terms and conditions.

1. The quotation should reach to the **Coordinator, TEQIP-III office, RAJKIYA ENGINEERING COLLEGE AZAMGARH**, Uttar Pradesh at given timing by speed post/courier.
2. Should attach GST proof.
3. Should be govt. Registered company. Proof should be attached
4. Should attach earlier PO copies.
5. Should not be blacklisted from the govt. Sectors/PSU/institutes.
6. Supplier(s)/Bidder(s) should be manufacturer/distributor/dealer/authorized firm of the mentioned product(s)/goods and should submit the copies of ST No., company/firm registration or equivalent registration with the Central/State Government of India if any. Copies of OEM / Latest authorized dealership certificate for respective items should be enclosed.
7. For the suppliers quoting for more than one package, the quotations should be submitted separately in separate envelope along with separate EMD of appropriate amount.
8. If required, we can call for the predemo before finalizing the order to check the technical specification and the quality.
9. The whole items of packages must be quoted.
10. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
11. Conditional Bid(s)/Quotation(s) will not be accepted. Any breach of term(s) of contract at any stage and/or non-execution of firm Purchase Order by the supplier(s)/Bidder(s) shall be lead to forfeiture of Earnest money deposit(s).
12. Right to accept or reject any bid or all bids without assigning any reason is reserved with the Institute (or Purchaser).
13. The Bids should reach the institute's Training & Placement office on or before 19.11.2018 up to 4 pm. The institute will not be responsible for any postal delay. Bids Received after due date and time will not be considered.
14. It is essential to indicate service condition of the course material being quoted by you. If service condition is/are not indicated, it will be assumed that it is as per the tender enquiry.
15. All bids will be opened on 23.11.2018 at 11 a.m. in the presence of representative of the vender of if present.
16. All prices quoted are to be recorded as per the format given in Annexure -I.
17. The prices quoted are to be handwritten/typed on the letter head of the firm/company.

Regards

Mr. Sambhrant Srivastava  
REC Azamgarh

Copy to:

1. Director Office, Rajkiya Engineering College Azamgarh,
2. TEQIP, Coordinator, Rajkiya Engineering College Azamgarh,
3. Asst. Registrar, Rajkiya Engineering College Azamgarh,
4. Website In-charge ,REC Azamgarh
5. TEQIP file

Annexure -I

PRICE QUOTE FORMAT

<b>Sr.No.</b>	<b>Equipment name</b>	<b>Technical Specification</b>	<b>Qty</b>	<b>Unit Cost</b>	<b>GST</b>	<b>Total price with GST</b>

**Terms and Conditions:**

Validity of Bid

( If not specified then the terms and conditions as mentioned in bid will be applicable.)

Date

Signature

Place

Name of Firm/ Company  
(with stamp)