

INVITATION FOR QUOTATION

TEQIP-III/2018/ntst/Shopping/35

29-Dec-2018

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Items for Production Engineering Laboratory-1	1	30	National Institute of Technology, Sikkim: Ravangla-737139, South Sikkim, Sikkim, India	Mandatory

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.

3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **45** days after the last date of quotation submission.

6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

6.1 are properly signed ; and

6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 80% of total cost

Satisfactory Acceptance - 20% of total cost

10. All supplied items are under warranty of **24** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **17:00** hours on **31-Jan-2019** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Yes**
14. Testing/Installation Clause (if any) **Yes Required**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,
NIT Sikkim, Barfung Block, Ravangla, South Sikkim Pin Code-737139
17. We look forward to receiving your quotation and thank you for your interest in this project.
18. You are requested to submit, necessary documents/work orders in support of the delivery of Production Engineering lab equipments to NITs/ IITs.
19. DSIR certificates will be provided, if required.
20. Quality of equipment and accessories should be the responsibility of the supplier.
21. Institute committee constituted for this purpose has the full right to replace the items which do not adhere the quality parameters.
22. The supplier has to submit performance security deposit. It will be returned after the satisfactory performance of the individual equipment.



(Authorized Signatory)

Name & Designation

Nodal Officer (Procurement)
TEQIP-III

National Institute of Technology Sikkim

Annexure I

Sr. No	Item Name	Specifications
1	Items for Production Engineering Laboratory-1	<p>1. Precision Conventional Lathe</p> <p>Quantity: 1</p> <p>(Brand/ Make: i. Kirloskar, ii. HMT, iii. Bhaviya Machine tools, iv. PANTHER)</p> <p>Description/ Specification:</p> <ul style="list-style-type: none"> ➤ Height of Centers: 250 ➤ Tool Shank Section: 25 X 25 mm ➤ Feed Longitudinal: 60/0.08-1 ➤ Feed Transverse: 60/0.02-0.25 ➤ Metric Thread: 40/0.4-7 mm ➤ Thread Per Inch: 45/70-4 TPI ➤ Lead Screw: 6 mm ➤ Main Motor: 3.7 KW / 5 HP ➤ Admit Between Center: 1500 ➤ Quill Dia. / Travel: 75/150 ➤ Tail Stock Sleeve: MT – 4 ➤ Top Slide Travel: 150 ➤ Swing Over Bed: 500 ➤ Swing Over Slide: 290 ➤ Width Of Bed: 325 ➤ Spindle Bore: 80 ➤ Spindle Nose: LO Type ➤ Spindle Speed No.: 16 H-L ➤ RPM: 30-1550 ➤ Cross Slide Travel: 260 <p>Parts should be available:</p> <ul style="list-style-type: none"> ➤ Electrical Motor 5 HP, Chuck Plate, True Chuck, Dog Chuck, Steady Rest, Coolant Fitting Conventional, Taper Turnnig Attachment, Grinding Fitting, Revolving Center <p>Accessories to be provided:</p> <p>Center Adopter, Dead Center, Thread Dial Indicator, Change Gear, Motor Stand, V Belt, Motor Pully, Spanner Set, Chip Collector Tray, Vibration Pads, Foundation Bolt, First Fill Oil, Manual Book, Wheel & Handle Set, Clutch Stick with Knob, Quick Change Tool Post, Chuck Plate, Switch Stand, Chuck Spanner, Eye Protector Glass, Tool Bag, Colour Can, Apron, Machine Lamp, Carriage Stopper.</p>

2. CNC Lathe Machine

Quantity: 1

(Brand/ Make: i. LMW, ii. ACE, iii. EMCO, iv. BFW, v. HASS)

Description/ Specification:

3 Jaw power operated hollow high speed chuck nominal Ø200mm including power chucking cylinder and accumulator. (Recommended max. speed 3500 rpm) (Bar Capacity: Ø 42 mm max.) Note: Metric serration (1.5mm x 60°) is standard.

- 8 station Bi-directional turret (BTP-80) with wedge type OD tool clamping
- A2-6 Spindle (Cartridge)
- AC Servo Axes Drives (Fanuc' make)
- AC Spindle Drive (Fanuc' make)
- Air condition unit for control cabinet (Panel mounted type) (Model : IGLOO; Ace make)
- Automatic Centralised Oil Lubrication System
- Basic Hydraulic System with Drain line Oil cooler
- Built-in lighting system
- Controls: Fanuc Oi – TF
- Coolant System
- Drain line Oil cooler
- Electronic hand wheel (MPG) (make: Fanuc)
- Hardened & Ground Box type Steel Guideways
- Machine 'Ball Bar' calibrated
- Machine Axes (X&Z) laser calibrated for high positioning accuracy and repeatability
- Machine Colour: RAL 7022 (Umbra Grey), RAL 9010 (Pure White) and RAL 1028 (Melon Yellow)
- One set of machine manuals (Instruction manual and Parts manual) along with 01 no. CD
- Oriented Spindle Stop (M19 Command)
- Packing
- Programmable quill
- Smart Feature – Machine Connect™ (OEM)
- Spindle Motor Power: 11 kW 15 mins. Rating / 7.5 kW continuous rating
- Spindle Speed: 50 – 3500 rpm (Subject to work holding selection)
- Standard tooling package as per Annexure - II and with all other standard features
- Tailstock with external rotating centre
- Three Colour Machine status lamp

Technical Specification:

Description	Specification
Work Area	
Swing over Bed	Not less than 500 mm
Swing over carriage	Not less than 260 mm
Distance Between Centres	Not less than 550 mm
Turning Diameter	Not less than 350 mm
Turning Length	Not less than 500 mm
Traverse	
X Axis Travel	Not less than 180 mm
Z Axis Travel	Not less than 500 mm
Main spindle	
Spindle Nose	A2-6 or better
Spindle Bore	Not less than 63 mm
Chuck Size	200 mm
Spindle Drive	
Spindle Motor rated power (Continuous / 15 Min.)	7.5 / 11 kw
Spindle Speed	≥3000 rpm
Automatic Tool Turret	
Number of tool stations	8 Stations
Maximum Boring Bar Dia.	Not less than 40 mm
Tool Cross Section	25 mm x 25 mm
Turret type	BTP-80
Tailstock	
Tailstock base travel	Minimum 235 mm
Quill Diameter	Not less than 80 mm
Quill Stroke	Not less than 100 mm
Taper of Quill	MT 4
Control System	
Controller	Fanuc
32 bit processor preferable 64 bit RISC processor	
2 axes simultaneous controllable	
8.4"TFT colour monitor with soft keys	
Feed System	
Rapid Traverse X-Axis	20 m / min
Rapid Traverse Z-Axis	20 m / min
Axis Drives & Control	
Digital controlled drive & motors for all axes	

Oversized ball screws nuts and spindle	32 mm dia. screws with min 10mm pitch, C3 class or better
Ball Screws arrangement should be fixed and supported at both end	
General	
Machine Weight	Not Less than 4000 Kg
Machine overall Dimension (L x W x H)	Minimum 2540 x 1785 x 2050 mm
Standard Features	
Electronic hand wheel (MPG)	
Machine Lamp	
AC unit for electrical panel	
Coolant system	
Built in lighting system	
Machine operating and programming manual	1 set
Installation, maintenance and spare part manual	1 set
Training to faculty on operation and maintenance for a duration of 4 to 5 days	
Automatic Centralized lubrication	

3. All Geared Shaping Machine

Quantity: 1

(Brand/ make: i. Kirloskar, ii. HMT, iii. Bharat Machinery, iv. Bhaviya Machine tools,)

Description/ Specification:

Length of Stroke 30" (762 mm)

Length of Ram 1410 mm

Length of Width Ram Baring : 1020x330

Distance from Table to Ram: 510/75

Working Surface of the table 762 x 390 mm

Maximum Table Travel Horizontal 787 mm

Maximum Table Travel Vertical 450 mm

Maximum Travel of Tool Slide 203 mm

No. of Speed 4. Range 8,16,32,48

Table Feed Per Stroke of Ram 0.22 mm

inbuilt lubrication tank, that is, the machine lubricates itself on operation,

Swivel Type table +/- 90°,

Tool Slide Swivel +/- 60°,

	<p>complete with standard accessories consisting of Swivel Base Shaping Vice, Motor Pulley and Table Lifting Handle, 5 HP 415 V 50 Hz 1500 RPM Motor with DOL starter Keyway cutting attachment Tool lifting device Feed to the tool slide Allen key set V belt Screw driver Spanner set, Oil can Tool box Electric motor & starter</p>
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FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____