

**GOVERNMENT ENGINEERING COLLEGE, WAYANAD**  
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**NOTICE INVITING TENDER**

No. D1/6357/16/GECWYD

Dated: 10/11/2017

**Tender No. 16 /2017-18/GECWYD/SN**

**Superscription : Purchase of Lathe Machines and Equipment's for Production Engineering Lab I&II of Mechanical Engineering Department.**

Last date and time of receipt of

Tender on the website([www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)) : **11/12/2017 5 pm**

Date and time of opening of tender : **14/12 /2017 3. pm**

Date up to which the rates are to be firm : 31/03/2018

Bidding Fee : Rs.8000+18%GST 1440/-= **9440/-**

EMD : Rs.53050/-

Address of the officer to whom hardcopy is to be send :THE PRINCIPAL,  
 GOVERNMENTENGINEERIN COLLEGE,  
 WAYANAD,THALAPPUZHA. P.O,  
 MANANTHAVADY PIN-670644

**LIST OF EQUIPMENTS**

Sl. No.	NAME OF THE EQUIPMENT	SPECIFICATION	QTY/ Nos
1.	<b>SHAPER</b>	Length of Ram stroke :300mm Length of Ram :660mm Working surface of table:300x230 Angular movement of table:60° Max.tool shank size:16x22 No.of ram speed per stroke:3 Bed Size Length:1200mm Width:840mm	<b>1 No</b>
2.	<b>MILLING MACHINE</b>	Surface of Table:1050x225 No.of T-slots:3x13 mm Size of T-Slots:1/2” Distance between T-Slots:55mm Traverse cross feed:225mm Vertical traverse:375mm Diameter of Spindle:60mm Distance from spindle to Top:10-350	<b>2 Nos</b>
3.	<b>SLOTTING MACHINE</b>	Working Stroke:200mm Length of Ram:560mm Vertical adjustable Ram:150mm Center of cutting tool to Column:250mm Working surface of table:250mm Bore of Base:38mm Cross Transverse of table:250mm Table Top to Ram:330mm	<b>1 No</b>

4.	<b>GRINDING MACHINE</b>	Type-1:Table Top Diameter of grinding wheel:200mm Spindle speed:2800rpm Motor:0.5HP	<b>1 No</b>
		Type2:Table Top, Spindle speed 2800rpm Motor:1HP, Diameter of grinding wheel:200mm	<b>1 No</b>
5.	<b>FORGING BLOWER</b>	Type: Centrifugal Motor:1HP	<b>1 No</b>
6.	<b>LATHE</b>	<ul style="list-style-type: none"> <li>• Center height : 200mm</li> <li>• distance between Centers : 1000mm</li> <li>• Swing over bed : 420mm</li> <li>• Swing over wings ; 350mm</li> <li>• Swing over cross slide : 230mm</li> <li>• Bed width over ways : 280mm</li> </ul> <p><b>HEAD STOCK</b></p> <ul style="list-style-type: none"> <li>• spindle NOSE : A2-5</li> <li>• SPINDLE BORE : 38MM</li> <li>• Spindle bore taper : morse taper 5</li> <li>• Spindle speeds : 8</li> <li>• spindle speed range(RPM) : 63,125,250,350,500,710,1000,1400</li> </ul> <p><b>CARRIAGE</b></p> <ul style="list-style-type: none"> <li>• Cross slide travel : 210mm</li> <li>• Top slide travel : 125mm</li> <li>• Max. tool shank size : 25 x 25 mm (with quick change tool post)</li> </ul> <p><b>THREADS AND FEEDS</b></p> <ul style="list-style-type: none"> <li>• Longitudinal Feed : 12: 0.06 to 1.92 no/mm/ rev</li> <li>• Cross feed : 12: 0.03 to 0.96 no/mm/ rev</li> <li>• Pitch of the lead screw / Diameter : 6/30 mm</li> <li>• Metric Thread pitches(no) : 20</li> <li>• Range : 0.5 to 24mm (in 4 setups)</li> </ul> <p><b>TAILSTOCK</b></p> <ul style="list-style-type: none"> <li>• Spindle travel : 150 mm</li> <li>• Sleeve dia / bore taper : 70/MT4 mm</li> </ul> <p><b>GENERAL</b></p> <ul style="list-style-type: none"> <li>• main motor : 3 KW</li> <li>• floor space required : 900 x 2300mm</li> <li>• 3 jaw self centering chuck with 4 jaw independent chuck</li> <li>• Coolant : coolant equipment with 10 Ltr Capacity tank and pump</li> <li>• machine should equipped with machine lamp</li> </ul>	<b>7 Nos</b>

		<ul style="list-style-type: none"> <li>• Special gears for inch &amp; module threads.</li> <li>• Tool kit should be provided along with the machine</li> </ul> <p>cutting tools : Parting tool , drill bits, Knurling tool, facing tool, Boring tool etc.</p>	
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### **SPECIAL TERMS & CONDITIONS:**

- The Equipment should be delivered at GEC Wayanad Manufacturing Technology Lab I (New mechanical workshop)
- The quoted rates should be inclusive of all taxes and other charges like, **freight charges, loading, unloading, erection and installation charges at GEC Wayanad.**
- The tenderer should send along with his hard copy of documents an preliminary agreement executed and signed in **Kerala Stamp Paper value of Rs.200/-** with in due date
- **Printed Lab manual with figures & service manual should be supplied for each item**
- Pymment:100%after successful installation & demonstration
- Price Validity: Bids shall remain valid for days after the date of bid opening. A bid valid for a shorter period may be REJECTED by the purchaser as non-responsive
- Warranty: **Two year** from the date of supply against any manufacturing defects.
- Time Limit: The equipment should be delivered within 90 days from the date of issue of the purchase order. Brand, Model and specification of Peripherals should be clearly mentioned.
- SSI/SME units those are availing Tender fee/EMD Exemption should produce certificate showing that the items/products quoted are manufactured by them. Otherwise their offer will be rejected.
- Replacement under warranty clause shall be made by the Vendor free of all charges at site including freight, insurance, cost of works and other incidental charges.
- The successful bidder should furnish an Agreement and Security Deposit in the form of Bank Guarantee/DD from a Nationalized Bank for an amount @5% of the order value addressed to "The Principal, Govt. Engineering College, Wayanad".
- The right to cancel this Tender without further notice will rest to the Undersigned.
  - **Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of the purchaser and vendors representative. The intact condition of the package and the seal/indicators for not being tempered with shall from the basis for certifying the receipt in good condition
  - **Insurance:** The supplier is to establish "All risk transit insurance" coverage until door delivery at GEC Wayanad
  - **Penalty for delay in delivery:** The date of delivery should be strictly adhered to otherwise: the GEC Wayanad reserves the right not to accept delivery in part or full
  - **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Conditions mentioned in the tender bids

submitted by vendors will not be binding on GEC Wayanad.

- The vendor should **supply product brochure /catalog with photographs with their firm's address and registration details.** The vendor should be able to provide AMC for the equipment after the warranty Period. Each equipment should have a unique serial number.
- SCOPE OF WORK: The work includes the following: (1) The supply and installation of equipment with accessories (2) Testing of equipment (3) To provide, one copy each of following documentation (on CD/DVD and printed manual or both)
  - a) Installation manual
  - b) operating manual
  - c) Service manual.

Note: Necessary foundation and electrical supply will be provided by GEC Wayanad.

**After e-tendering, The hard copy of the all documents, such as agreement, Brochure etc. are should be submitted before the opening date superscribed the tender Number with due date and addressed to the Principal, Govt. Engineering College, Wayanad.**

The items should be supplied at General stores of this institution. The dimension of accessories should match exactly with the present actuator dimensions. No extra adaptors are allowed.

Date of opening of tender: In case the proposed date declared as holiday, the tender will be opened on the next working day.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual. The bidders should participate this tender through E-Tendering System.

**Tender cost and EMD should be submitted only through online.**

Sd/-  
PRINCIPAL