

Notice Inviting E-Tender

E-Tender No	: 13/2017-18
Superscription	: Purchase of Tools for Manufacturing Lab in Government Engineering College, Bartonhill.
Last Date & Time of Receipt of E- Tenders (online – www.etenders.kerala.gov.in)	: 06/11/2017 , 6 pm
Date & Time of opening of E-Tender	: 09/11/2017 , 9 am
Date up to which the rates are to be firm	180 Days from the date of opening tender
Cost of E-Tender	Rs.1180/-.(Tender fee Rs.1000+Rs.180/- GST @18%) (Online remittance)
EMD Required	Rs.6909/- (Online remittance)
Address of the Officer to whom communications are to be sent	THE PRINCIPAL GOVT.ENGINEERING COLLEGE, BARTON HILL , THIRUVANANTHAPURAM KERALA Ph-04712780121(Purchase Section) Ph-04712780120 (Purchase P2 Section) Email- purchase.gecbh@gmail.com
List of Items to be Supplied	Detailed specification enclosed below or visit www.etenders.kerala.gov.in http://www.gecbh.ac.in http://www.dtekerala.gov.in

General Terms and Conditions

Note: The dates furnished above are subject to revision

- i. This tender document is not transferable. Tender Documents shall be available only on E-Tender Website and will not be available for sales elsewhere.
- ii. GECBH reserves the right to amend or cancel the tender in part or in full without prior notice at any point of time.
- iii. If GECBH deems it appropriate to revise any part of this NIT or to issue additional data to clarify an interpretation of provisions of this NIT, it may issue supplements to this NIT. Any such supplement shall be deemed to be incorporated by this reference to this NIT.
- iv. GECBH reserves the right to reject the bid of parties who have failed to provide adequate after sales support for the products supplied against various orders.
- v. Supplier shall provide access to their Website so that GECBH can verify whether the warranty and coverage / scope/ product brochure details are updated in the website as per the order/bid offered.
- vi. LD will be charged for delayed supply. Furthermore, if the delay exceeds 4 weeks after the scheduled date of supply, such suppliers will not be considered for the subsequent tenders.
- vii. The Special Instructions to the Contractors/Bidders for the e-submission of the bids are given under "Help to Contractors" in website <http://etenders.kerala.gov.in/nicgep/app>

Specific Terms & conditions for E Tender.

1	Hard copies of the tender documents shall be submitted before the date of opening of tenders. The bid will be rejected, if the bidders fails to produce hard copy of the agreement before the date of opening of tenders
2	The price quoted should be inclusive of all taxes, freight charges, transportation, loading, unloading charges, installation etc. The rates are to be firm for 180 Days from the date of opening E- tender
3	5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
4	Delivery @ Concerned Department at Government Engineering College, Bartonhill, Thiruvananthapuram with prior intimation of delivery to Department HOD/Purchase Section
5	Payment –Only after the satisfactory supply and installation/commissioning
6	A preliminary Agreement as per NIT shall be prepared in Kerala Stamp Paper worth Rs.200/- and produced along with Tender documents
7	All amount payable is through Online remittance only
8	Date of Opening- If the opening date is declared as a holiday the tenders will be opened on the next working day.
09	Tender documents are to be up loaded through E- tendering system. Tender cost and EMD should be remitted through net banking(Electronics Transfer only)
10	Warranty/Guaranty- On site warranty/Guarantee shall be specifically mentioned in the Bid offered.

Sd/-
Dr.Rajasree.M.S
Principal

Specification, Special Terms and Conditions of Department Concerned.

Sl. No	Item with Specification	Qty
1.	<p>LATHE TOOL DYNAMOMETER SPECIFICATION: 1) Dimension of Lathe Tool: 100x150x50mm 2) Force measurement :3AXIS - X, Y, Z, (Micro Controller Based) 3) Sensor: Strain Gauge Based Bridge form (350 ohms) 4) Range: 500kgf. 5) Resolution: 1kg. 6) Accuracy: 0.05% Full Scale. 7)Linearity: 0.05% 8) Power supply:230VAC 9) Model: TableTop Model</p>	01 No
2.	<p>MAGNETIC STAND WITH DIAL GAUGE of reputed make like Mitutoyo SPECIFICATION: Dial Indicator :- 1)Graduation 0.001mm 2)Range 0-1mm 3)Accuracy ±5 micrometer 4)Measuring force 1.8N or less</p>	02 No
3.	<p>DRILLING TOOL DYNAMOMETER SPECIFICATION: 1) Dimension of Drill Tool :200mm Dia, Height 140mm 2) Force measurement : 2AXIS - X,Y (Micro Controller Based) 3) Range: 500kgf. Thrust force. /50.00Kgm Torque 4) Resolution: 1kg. 5) Accuracy: 0.05% Full Scale. 6) Linearity: 0.05% 7)Power supply: 230VAC 8) Model: Table Top Model</p>	01 No
4.	<p>SLOTING MACHINE SPECIFICATION: 01. Adjustable Stroke 0-250 mm 02. Longitudinal Movement 230 mm 03. Cross Movement 110 mm 04. Speed Adjustment 3 speed 05. Ram Adjustment 250 mm 06. Electric Motor 1.5 H.P</p>	01 No
5.	<p>MILLING TOOL DYNAMOMETER 1)Dimension of Milling Tool: Base Plate310x225, work area 200x200mm 2)Force measurement : 3AXIS - X,Y,Z, (Micro controller Based) 3)Sensor : Strain Gauge Based Bridge form(350 ohms) 4) Range: 500kgf. 5) Resolution: 1kg. 6) Accuracy:0.05% Full Scale. 7) Linearity:0.05% 8) Power supply: 230VAC 9)Model :Table Top Model</p>	01 No
	<p>BROACHING MACHINE with TOOL 1)Capacity: 15 ton</p>	

6.	<p>2)Stroke: 500mm 3)Power: 1.5HP Motor 4)Type: Power Hand Lever Type.</p>	01 No																														
7.	<p>GRINDING TOOL DYNAMOMETER</p> <p>1)Dimension of Milling Tool: Base Plate310x225, work area 200x200mm 2)Force measurement :3AXIS -X,Y,Z, (Micro 3) Sensor: Strain Gauge Based Bridge form (350 ohms) 4) Range: 500kgf. 5) Resolution:0.1kg. 6) Accuracy:0.05% Full Scale. 7) Linearity: 0.05% 8) Power supply:230VAC 9) Model: TableTop Model</p>	01 No																														
8.	<p>TOOL & CUTTER GRINDER MACHINE With suitable electrical and all standard accessories 01 No Universal Three Way Machine Vice, 01 No 3”Milling Vice,and with grinding wheels</p> <table border="0"> <thead> <tr> <th>Descriptions</th> <th>Sizes</th> </tr> </thead> <tbody> <tr> <td>Swing over table (Dia)</td> <td>230mm</td> </tr> <tr> <td>Maximum distance between centres</td> <td>305mm</td> </tr> <tr> <td>Table longitudinal traverse</td> <td>305mm</td> </tr> <tr> <td>Table Cross traverse</td> <td>200mm</td> </tr> <tr> <td>Table Dimensions</td> <td>530 x 142mm</td> </tr> <tr> <td>Tee Slots width</td> <td>10mm</td> </tr> <tr> <td>Centre of wheel above table</td> <td>280mm</td> </tr> <tr> <td>Table Swivel</td> <td>90 Deg</td> </tr> <tr> <td>Head Swivel</td> <td>360 Deg</td> </tr> <tr> <td>Grinding Spindle Speed</td> <td>2800 RPM</td> </tr> <tr> <td>H.P. of Motor</td> <td>1 H.P</td> </tr> <tr> <td>Floor area occupied</td> <td>900 x 750mm</td> </tr> <tr> <td>Height to the machine</td> <td>1500mm</td> </tr> <tr> <td>Weight of the machine with standard accessories</td> <td>500kg</td> </tr> </tbody> </table>	Descriptions	Sizes	Swing over table (Dia)	230mm	Maximum distance between centres	305mm	Table longitudinal traverse	305mm	Table Cross traverse	200mm	Table Dimensions	530 x 142mm	Tee Slots width	10mm	Centre of wheel above table	280mm	Table Swivel	90 Deg	Head Swivel	360 Deg	Grinding Spindle Speed	2800 RPM	H.P. of Motor	1 H.P	Floor area occupied	900 x 750mm	Height to the machine	1500mm	Weight of the machine with standard accessories	500kg	01 No
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9	<p>HEAT TREATMENT FURNACE Max temp (°C) - 1200 Max continuous operating temp (°C) - 1100 Volume (litres) - 65 Heat-up time (mins) - 40 Dimensions: Internal H x W x D (mm) - 278 x 388 x 595 Dimensions: External H x W x D (mm) - 885 x 780 x 945 Dimensions: External with door open H x W x D (mm) - 885 x 780 x 1245 Temperature uniformity of ± 5°C within H x W x D (mm) -178 x 288 x 455 Max power (W) - 14000 Thermocouple type - R Weight (kg) - 165</p>	01 No																														
10	<p>INFRARED PYROMETER Range °C -50 to 1000°C Range °F -58 to 1832°F Resolution 0.1° to 200, 1° over 200 Accuracy ±1.5°C Field of View 50 : 1</p>	01 No																														

Emissivity 0.1 to 1.00 in .01 steps	
Laser Available	
Back-lit display Yes	

TERMS AND CONDITIONS:-

Packing charges : Included in price

Freight charges : Included in price (Items has to be delivered at Concerned Department at Govt. Engg College Barton Hill TVPM)

Delivery : Within 30days from the date of receipt of confirmed order for items 4,6,8,9 and within 15 days for item no 1,2,3,5,7,10

Warranty : Minimum 3 Years or above

Commissioning : Will be done by the supplier free of cost

Training : Will be done by the supplier free of cost (Manual for each item has to be provided)

Other conditions : All moving parts to be provided with guard to ensure safety of operator

**Bed of machines shall be completely made of cast iron
Manufacturer of dial gauge for item no 2 to be specified in E-Tender.**