



GOVERNMENT POLYTECHNIC, BEED - 431122

Visit Maharashtra Years - 2017

Near Khandeshwari Temple, Nathapur Road, Beed

Email – stores.gpbeed@dtmaharashtra.gov.in



No:GPB/Store/inst purchase/2017-18/ 269

Date : 01 FEB 2018

Tender Notice

Sub: Quotation for purchase of Machinery & Equipment For Mechanical Department
(Due Date 08/02/2018)

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below...

Sr No.	Name of the Machinery & Equipment	Specification	Quantity required	Estimated cost
01	02	03	04	05
01	Dead Weight Pressure Gauge Tester (10 Kg/Cm ²)	<ul style="list-style-type: none">• Dead weight pressure gauge tester provided with complete setup for calibration of pressure gauge.• Plunger: 1nos• Oil cup for circulating oil by gravity flow inside the system.• Weight set are as follows:- 0.5 to 10 Kg/cm² Weight set: 0.5 kg- 1no 1kg-1 no 2 kg-1 no 5kg-1 no	01 Nos	25000.00
02	Verification Of Bernoulli's Theorem	<ul style="list-style-type: none">• Centrifugal pump: Branded, 0.5 HP capacities for water circulation.• Sump tank: 100 lit capacity approx.• Measuring tank: 28 lit capacity approx. with piezometer.• Column tanks: 24" height made of CR sheet with FRP Lining of opaque color.• Acrylic flow channel of 2' length.• Piezometer tubes: Equispaced 11 no's with scales.• Both sump tank & measuring tank are made of thick gauge CR sheet with FRP lining of opaque color.• By pass arrangement for maintaining specific pressure in apparatus.• PVC piping with independent flow control valves.• Electrical panel consists of cam switch as starter switch and LED indicator.• The equipment is mounted on rigid stand with rust proof powder coating.	01 Nos	50000.00
03	Venturimeter, Orifice meter & Rota meter Test Rig	<ul style="list-style-type: none">• Herschel type Venturimeter with 1:3 convergent & divergent ratios.• Orifice meter with 15mm dia orifice.• Annular section Rota meter of capacity 1200 LPH, acrylic body and calibrated with steel float.• Combined U-tube closed body acrylic manometer with graduated scale & manifold is fitted on front	01 Nos	48000.00

		<p>panel to measure pressure difference.</p> <ul style="list-style-type: none"> • Centrifugal pump: Branded, 0.5 HP capacities for water circulation. • Sump tank: 100 lit. Capacity approx... • Measuring tank: 28 lit capacity approx. with piezometer • PVC Piping with independent flow control valves. • By pass arrangement for maintaining specific pressure in apparatus. • Both sump tank & measuring tank are made of thick gauge CR sheet with FRP lining of opaque color. • Electrical panel consists of cam switch as starter switch and LED indicator. • The equipment is mounted on rigid stand with rust proof powder coating. 		
05	Minor Loss In Pipe Fittings Apparatus-Mt	<ul style="list-style-type: none"> • Centrifugal pump: Branded, 0.5 HP capacities • U-tube closed body acrylic manometer with graduated scale & manifold is fitted on front panel to measure pressure difference. • Sump tank: 100 lit capacity approx. • Measuring tank: 28 lit. capacity approx with piezometer. • Sump tank & measuring tank are made of thick gauge CR sheet with FRP lining of opaque color • Bend & elbow fittings are provided for minor losses. • Sudden enlargement and contraction arrangement in 1:2 ratio piping. • PVC piping with independent flow control valves. • By pass arrangement for maintaining specific pressure in apparatus. • Electrical panel consists of cam switch as starter switch and LED indicator. • The equipment is mounted on rigid stand with rust proof powder coating 	01 Nos	40000.00
06	Major Losses In Pipe Apparatus-Mt	<ul style="list-style-type: none"> • Dia 1", Length: 1.25m, Material G.I. • Dia ¾", Length: 1.25m Material G.I. • Dia ½", Length: 1.25m Material PVC. • Dia ½", Length: 1.25m Material Cu. • Effective measurement length 1m. • Branded 0.5 HP centrifugal pump for water circulation. • U-tube closed body acrylic manometer with graduated scale and manifold attached on front panel. • By pass arrangement for maintaining specific pressure in apparatus. • Electrical box attached to frame with cam switch as starter switch and LED indicator. • Sump tank: 100 lit capacity approx. • Measuring tank: 28 lit capacity approx. • Sump tank & measuring tank are made of thick gauge CR sheet with FRP lining of opaque color. • PVC piping with independent flow control valves. • The equipment is mounted on rigid stand with rust proof powder coating. 	01 Nos	42000.00
07	Speed Measurement By Magnetic Pick Up Or Photo Electric Pick Up Tachometer.	<ul style="list-style-type: none"> • Stand alone study set up. Magnetic pickup sensor with gear wheel. • 2 pulses / revolution encoder. pulses output on front for observation on CRO. Open Collector o/p. Pulses and RPM measurement digital display. • Programmable scale factor. Auto configurable RPM indicator. RPM/Pulse Totalize indicator. • Speed changing facility. Variable speed generation from 	01 Nos	43000.00

		15 –1500 RPM with 180 Volts, 100 Watt, DC Motor, • DC motor controller : programmable control drive with programmable low and high speed, acceleration & deceleration, soft start, short circuit current protection with fold back control action, transparent enclosure and ms powder quoted enclosure. DC Motor for speed variation. Study rigid mounting frame.		
08	<i>Rota Meter Trainer For Flow Measurement</i>	• Trainer with 10-100LPH Rota meter, 20L Stainless Steel sump tank, 5LTransparent measuring tank. • ¼ HP Monoblock Pump, flow throttle valve and 1/2” PVC Piping, Siemens gray powder painted panel. • Size: 18” X 18” X18” Weight: 20Kgs	<i>01 Nos</i>	<i>42500.00</i>
09	<i>Temperature Measurement And Control Using Thermostat</i>	Sensor- PTC thermostat, sensor assembly and water bath with heating arrangement Display3.5digit digital display	<i>01 Nos</i>	<i>20000.00</i>
10	<i>Speed Measurement By A Stroboscope.</i>	• Range:- 0-5000 rpm • LED digital display • Power source 230v +/- 10%, 50Hz	<i>01 Nos</i>	<i>42500.00</i>
11	<i>Experimental Set Up For Measuring The Liquid Level By Using Capacitive Transducer</i>	Sensor capacitive type, sensor assembly with glass jar fitted with water tap. Display 3.5 digit display	<i>01 Nos</i>	<i>36000.00</i>
12	<i>Tachometer</i>	Contact type; digital	<i>01 Nos</i>	<i>6700.00</i>

TERMS AND CONDITIONS

- 01.** *The bid/quotation should be submitted in two bid format.*
- 02.** **The first envelope will contain Technical specifications of the product, technical literature/ leaflet and other documents mentioned below.**
 - 1. Covering Letter for tender on the company letter head mentioning official address, Contact No, e Mail address and website (if available) address*
 - 2. Tender fee and EMD (3% of the quoted cost or Re. 5000 whichever is minimum) OR Exemption certificate from competent authorities, if exemption is claimed.*
 - 3. GST registration certificate/ Number*
 - 4. GST Clearance Certificate/ GST Challan for last quarter of the financial year.*
 - 5. Authorization/ Distributorship certificate from manufacturer. Proof of permission to manufacture the equipment/ item mentioned in the quotation from competent authorities (to be submitted if the bidder is not a manufacturer).*
 - 6. Technical literature / leaflet of the make and model no of equipment quoted.*

Additional document may also be asked by undersigned for confirming the details.

03. The second envelope will contain the financial bid in which the all inclusive rates F.O.R. Destination will be written and signed with the stamp of the establishment in the following format.

Sr. No.	Name of the item with specification	Quantity required	All inclusive cost per unit	All inclusive cost for quantity mentioned.
01	02	03	04	05

Date –
Place -

(Signature)
Rubber Stamp of organization

04. The two envelopes should be sealed with a mention of the type of envelope (technical/ Financial), Reference no., Date of opening the quotation on the front side of the envelope. These two envelopes should be sealed in a third envelope by giving heading “**Quotation for supply of Machinery & Equipment for Mechanical Department**” and writing complete address of the undersigned.
05. The quotations should reach the undersigned on or before dt. **08/02/2018**
06. The material will be checked at this institute.
07. No extra charges will be paid for cartage, packing etc. for the material rejected and replaced
08. Quotations will be opened at **11AM** on dt. **09/02/2018**
09. Rates should be valid for 6 months from the date of confirmation letter.
10. Materials should be quoted for standard makes and minimum pkgs.
11. Delivery to the consignee has to be effected within 4weeks from the date of issue of purchase order.
12. The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.

Purchasing Authority,
Govt. Polytechnic, Beed.