



OFFICE OF THE DIRECTOR-CUM-PRINCIPAL  
MAHATMA GANDHI GOVT. ENGG. COLLEGE, KOTLA (JEORI)  
RAMPUR BUSHAHR DISTRICT SHIMLA (H.P)

E-mail [gecrampur@gmail.com](mailto:gecrampur@gmail.com) Phone No:-01782-292905  
Website [www.mggec.ac.in](http://www.mggec.ac.in)

No. GEC/KJR/Store Purchase/2020/- 5101

Dated: 22/12/2024

To


**Notice Board/Website**

Subject: Invitation for Bids for the Procurement of Mechanical Measurement Lab.

Sir,

The sealed Quotations/bids are invited for the supply of Equipment's of Mechanical Measurement Lab. Bids should reach in this office on or before 16/01/2025 at 12:30 PM. The Bids as received will be opened on the same date on 3:30 PM before the constituted committee by this office. If desired, the concerned supplier or their representative may participate on said date & time. Bid documents can be downloaded from institute website [www.mggec.ac.in](http://www.mggec.ac.in) and bidders are directed to go through all the documents.

You are requested to quote rates of your firm (FOR Destination) inclusive of all taxes and other charges. Bids received after the above mentioned date & time will not be accepted. In case, if there is declared holiday on the date as specified above, the quotations will be opened on the next date as the time mentioned above. Undersigned has the right to accept, reject or to postpone the opening date/cancellation of requirement without assigning any reasons.

  
Director/Principal  
MGGE C Kotla(Jeori)

**LIMITED TENDER DOCUMENT  
FOR  
Mechanical Measurement Lab  
UNDER  
MECHANICAL ENGINEERING DEPARTMENT**

LAST DATE AND TIME FOR RECEIPT OF BIDS : January 16, 2025, upto 12:30 PM

TIME AND DATE OF OPENING OF BIDS : January 16, 2025, at 03:00 PM

PLACE OF OPENING OF BIDS : O/O Director/Principal,  
Mahatma Gandhi Govt. Engg. College, Kotla (Jeori)  
Teh. Rampur Bushahr, Distt. Shimla,  
Himachal Pradesh. PIN - 172101

ADDRESS FOR COMMUNICATION: Director/Principal,  
Mahatma Gandhi Govt. Engg. College, Kotla (Jeori)  
Teh. Rampur Bushahr, Distt. Shimla,  
Himachal Pradesh. PIN - 172101



**MAHATMA GANDHI GOVT. ENGINEERING COLLEGEKOTLA (JEORI)  
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### INVITATION FOR LIMITED TENDER

Tender No. : GEC/KJR/Store Purchase/2020-<sup>S109</sup> Date : 23-12-2024

The Director-cum-Principal, Mahatma Gandhi Government Engineering College Kotla (Jeori), Rampur Bushahr, Distt. Shimla, Himachal Pradesh, PIN- 172101 invites sealed bids from eligible suppliers/distributors/authorized dealers for Machinery and Equipments of Mechanical Measurement Lab under Mechanical Engineering Department of this Institution as listed below:

Sr. No.	Name & Technical Specifications of the Items	Earnest Money Deposit (EMD)	Performance Security
I.	Attachment at Annexure - "B"	10000/-	10,000/-

- The provisions in the instructions to suppliers and in the general conditions of contract are based on the provisions of the Standard Tendering Document - Procurement of Goods.
  - Price of bidding document : ₹ 500.00 (₹ One Thousand Only) (non-refundable)
  - Last date and time for receipt of bids : January 16, 2025, 12:30 PM
  - Time and date of opening of bids : January 16, 2025, 03:00 PM
  - Place of opening of bids : O/O Director/Principal,  
Mahatma Gandhi Govt. Engg. College, Kotla (Jeori)  
Teh. Rampur Bushahr, Distt. Shimla,  
Himachal Pradesh. PIN - 172101
  - Address for Communication : O/O Director/Principal,  
Mahatma Gandhi Govt. Engg. College, Kotla (Jeori)  
Teh. Rampur Bushahr, Distt. Shimla,  
Himachal Pradesh. PIN - 172101
- You must quote for all the items under this limited tender. Price quotations will be evaluated for all the items together and contract awarded to the firm offering the lowest evaluated total cost of all the items.
- Your quotation written in English language, should be accompanied by adequate technical documentation and catalogue(s) and other printed material or pertinent information (in English language) for each item quoted, including names and addresses of firms providing after-sales service facilities in India.
- All bids must be accompanied by a bid security as specified in the bid document and must be delivered to the above office at the date and time indicated above; failing which tender/bid will not be considered. The envelope must be superscribed on the top right-hand corner as "Limited Tender for Machinery and Equipments of Mechanical Measurement Lab under Mechanical Engineering Department".



5. Non-refundable tender fee as indicated above must be submitted alongwith offering tender in the form of a Demand Draft from any nationalized bank in favour of Director/Principal, Mahatma Gandhi Govt. Engg. CollegeKotla(Jeori), Rampur Bushahr, Distt. Shimla (H.P.) PIN- 172101, failing which tender/bid will not be considered.
6. The main cover **Sealed Envelope** (superscribed on the envelope on top right side corner as "Limited Tender for Machinery and Equipments of Mechanical Measurement Lab under Annexure A and supporting documents: (i) Printed Brochure/Literature, (ii) The list and address of Service Centers (iii) PAN Number, (iv) GST Number Document, (v) Price of Bidding Document (₹ 500.00) in the form of demand draft, (vi) Earnest Money, (vii) rate quoted for Machinery and Equipments of Mechanical Measurement Lab on prescribed format (Annexure C). The mode of the payment of earnest money should be in the shape of demand Draft for a period of one year pledged in favour of Director/Principal, Mahatma GandhiGovt. Engg. College, Kotla (Jeori), Rampur Bushahr, Distt. Shimla (H.P.) PIN- 172101. The single offer without complete documents mentioned above will be rejected and no correspondence in this regard will be sent to the bidder.
7. **The rates for the Machinery and Equipments of Mechanical Measurement Lab are to be quoted as per attached Annexure C.** The bidders are also required to mention the taxes like GST, entry tax etc. clearly. It is important for all the suppliers/ manufactures to specify separately the type and the percentage of taxes. No discount (Educational/ or any ground) should be specified separately. If any supplier wishes to offer any kind of discount, it should be included in the unit price of the equipment/material/item. The suppliers will have to provide transportation of equipment's/material(s)/item(s) to the specified labswithin the bid cost. Rate quoted should include the all charges like transportation, installation including civil work, Lab Manuals, Wall charts, training, carriage to lab where equipment/material/item have to be installed or other type of charges (if any).
8. Tenders will be opened in the presence of suppliers or their representatives, who choose to attend on the specified date and time. Bids not having the relevant documents as listed above will be rejected out rightly. It will be presumed that such suppliers have just quoted the rates and are not in position to supply the same. No intimation in this regard will be sent to the supplier/ manufacturers. Further, Bids not having quoted rates for all items shall also be rejected.
9. In the event of the date specified for bid receipt and opening being declared as a closed holiday, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
10. The Director/Principal reserves the right to cancel the tender without assigning any reason thereof.
11. The conditional tenders/ incomplete tender/ tender without earnest money/without tender cost or tenders received after due date will be summarily rejected. The discount should not be quoted separately. If any supplier wishes to offer any discount, he should include the same in the price of the item(s)/material(s)/machinery/equipment offered by him.
12. Authorized dealers of manufacturers can also apply for tender. Such bidders are required to submit the authorization certificate issued by the manufacturers.
13. The Director/Principal reserves the right to issue the supply order. The items can be increased/decreased/dropped bases on circumstances like unrealistic rates/unjustified rates/availability of funds etc.
14. Earnest Money for the unsuccessful bidders shall be returned on finalization of tender process/award of tender to the successful bidder.

 23/12/24



## INSTRUCTIONS

### 1. Clarification of Bidding Documents

- 1.1 A prospective bidder requiring any clarification of the bidding documents may notify the purchaser in writing or by email at the purchaser mailing address indicated in the Invitation for Bids. The purchaser will respond in writing to any request for clarification of the bidding documents which it receives not later than 15 days prior to the deadline for submission of tenders prescribed by the purchaser. Written copies of the purchaser's response (including an explanation of query but without identifying the source of inquiry) will be sent to all prospective bidders which have received the bidding documents by main office of Mahatma Gandhi Govt. Engg. College Kotla (Jeori), Rampur Bushahr, Distt. Shimla (H.P.) or by the post.

### 2. Amendment of Bidding Documents:

- 2.1 At any time prior to the deadline for submission of bids, the purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.
- 2.2 All prospective bidders who have received the bidding documents will be notified of the amendment in writing or by e-mail and will be binding on them.
- 2.3 In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the purchaser, at its discretion, may extend the deadline for the submission of bids.

### 3. Bid Prices

- 3.1 The bidder shall indicate on the price schedule the unit price and total bid prices of the goods it proposes to supply under the contract.
- 3.2 Prices of item(s)/material(s)/machinery and equipment are to be submitted as per the format and should include the price of item(s)/material(s)/machinery and equipments. **Besides this the supplier/manufacturers are also required to list out the various taxes (%age and amount) to be included in the price of the equipment.**
- 3.3 Bid shall be valid for a period of 30 days.

### 4. Late Bids

- 4.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser will be rejected and/or returned unopened to the supplier.

### 5. Modification and Withdrawal of Bids

- 5.1 No bid tender may be modified subsequent to the deadline for submission of tender.

### 6. Opening of Tender by the Purchaser

- 6.1 The purchaser will open all bids, in the presence of suppliers'/representatives who choose to be present at Mahatma Gandhi Govt. Engg. College Kotla (Jeori), Rampur Bushahr, Distt. Shimla (H.P.) **on 16/01/2025 at 03.00 PM.** The supplier's representatives, who are present on the date of opening of tender, will have to sign as an evidence of their attendance. In the event of the specified date of bid opening being declared a holiday for the purchaser, the bids shall be opened at the appointed time and location on the next working day.
- 6.2 The Suppliers' Names, tenders' modifications or withdrawals, tenders prices, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced on the respective dates and time of opening of

the bids. The late bids shall be returned unopened to the bidder after completion of the process.

6.3 Tender not opened shall not be considered for evaluation, irrespective of the circumstances.

## 7. Transportation

7.1 The supplier is required under the contract to transport the item(s)/material(s)/machinery to the specified place of destination within institute and at the specified lab. The transportation to such place of destination at Mahatma Gandhi Govt. Engg. College Kotla (Jeori), Rampur Bushahr, Distt. Shimla (H.P.) PIN 172101 will include insurance and shall be arranged by the supplier and the related cost shall be included in the contract price. It will be sole responsibility of supplier to install the item/material/machinery at the specified place in the lab including civil work, failing which, no payment will be released. The supplier/manufacturers will also have to provide proper demonstration and training to the faculty, Lab Manuals and Wall Charts of all the major equipments.

## 8. Warranty

8.1 The warranty period shall be **12 months** from the date of acceptance of the Goods (after successful installation subsequent to inspection). No separate cost in this regard has to be quoted and warranty cost (if any) should be included in the item/material/equipment cost. The supplier shall, in addition, comply with the performance guarantees specified under the contract. If, for reasons attributable to the supplier, these guarantees are not attained in whole or in part, the supplier shall, make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the contract at its own cost and expense and to carry out further performance tests in accordance.

**Important:** In the event of any correction of defects or replacement of defective item/material/equipment during the warranty period, **the warranty for the corrected/replaced item/material/equipment shall be extended to a further period of 12 months.**

8.2 Rate quoted should be **F.O.R. at Mahatma Gandhi Govt. Engg. College Kotla(Jeori), Rampur Bushahr, Distt. Shimla, Himachal Pradesh. PIN 172101.**

## 9. Payment

9.1 The supplier's request(s) for payment shall be made to the purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the services performed, and by documents, submitted pursuant to Clause, and upon fulfillment of other obligations stipulated in the contract. The payment shall be released only after satisfactory report from the technical committee constituted at institute level.

## 10. Taxes and Duties

10.1 Suppliers shall be entirely responsible for payment of all taxes, duties, license fees, Octroi, Road permits, etc., incurred until delivery and installation including civil works of the contracted goods to the purchaser.

## 11. Jurisdiction

11.1 All the legal dispute(s) will be settled within the civil court having jurisdiction over Rampur, Himachal Pradesh Only.



**12. Performance Security**

12.1 Within **07 (Seven)** days of receipt of the notification of contract award, the supplier shall furnish performance security to the purchaser for an amount of **10,000/- (Rs. Ten Thousand Only)**. The performance security shall be denominated in Indian Rupees and shall be in form of **FDR** for a period of **one Year (01 years)** Pledged in the Name of **Director/Principal, Mahatma Gandhi Govt. Engg. College Kotla(Jeori), Rampur Bushahr, Distt. Shimla (H.P.)**. After the date of completion of performance obligations including warranty obligations the performance security shall be returned to the purchaser after deduction as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract, if any within 30 days.

  
23/12/24

**ANNEXURE-A**  
**General Information Form**

1.	Date of Application	
2.	Name of the Firm	
3.	Address of the Firm	
4.	PAN Number	
	PAN Document	Attached as Page Numbers from _____ to _____ of Bid.
5.	TAN/TIN/GST Number	
	TAN/TIN/GST Number Document	Attached as Page Number _____ of Bid.
6.	Demand Draft No. (Tender Fee)	
	Name of Bank/Branch	
	Date of Issuing	
7.	EMD Attached	YES / NO (Tick on appropriate)
	Name of Bank & Branch	
	FDR No./DD No.	
	Date of Issuing (FDR/DD)	
8.	Original Catalogue/Printed Brochure/Literature	Attached as Page Numbers from _____ to _____ of Technical Bid.
9.	Service Centers	Attach list of service centre available near to the College

**Note:** - All the documents placed/attached shall be properly stamped with the seal of the firm and shall have the signature of the bidder/representative of the bidder.

(Signature with Name and Seal)



Name of Labs: Mechanical Measurement Lab

ANNEXURE-B  
Technical Specifications

Item No.	Name of Goods/Items	Technical Specifications of items	Accessories (if any)	Documents	Installation & Training	Warranty
1.	<b>Micro Manometer</b> (with Pitot Tube compatible with Micro Manometer)	<p>Instrument is used to measure <b>Static/Differential Pressure</b></p> <p>Range 1 -15 to +15 in. H<sub>2</sub>O (-28.0 to +28.0 mm Hg, -3735 to +3735 Pa)</p> <p>Accuracy <math>\pm 1\%</math> of reading <math>\pm 0.005</math> in. H<sub>2</sub>O (<math>\pm 0.01</math> mm Hg, <math>\pm 1</math> Pa)</p> <p>Resolution 0.001 in. H<sub>2</sub>O (0.1 Pa, 0.01 mm Hg)</p> <p><b>Velocity (Pitot Tube)</b></p> <p>Range 2 250 to 15,500 ft/min (1.27 to 78.7 m/s)</p> <p>Accuracy <math>\pm 1.5\%</math> at 2,000 ft/min (10.16 m/s)</p> <p>Resolution 1 ft/min (0.1 m/s)</p> <p><b>Duct Size</b></p> <p>1 to 500 inches in increments of 0.1 in. (2.5 to 1270 cm in increments of 0.1 cm)</p> <p><b>Volumetric Flow Rate</b></p> <p>Range Actual range is a function of velocity, pressure, duct size, and K factor</p> <p><b>Instrument Temperature Range</b></p> <p>Operating 40 to 113°F (5 to 45°C)</p> <p>Storage -4 to 140°F (-20 to 60°C)</p> <p><b>Data Storage Capabilities</b></p> <p>Range 12,700+ samples and 100 test IDs</p> <p><b>Logging Interval</b></p> <p>1 second to 1 hour</p> <p><b>Time Constant</b></p> <p>User selectable</p> <p><b>External Meter Dimensions</b></p> <p>3.3 in. x 7.0 in. x 1.8 in. (8.4 cm x 17.8 cm x 4.4 cm)</p> <p><b>Meter Weight with Batteries</b></p> <p>0.6 lbs. (0.27 kg)</p> <p><b>Power Requirements</b></p> <p>Four AA-size batteries or optional AC adapter</p>		Instructional manual	Installation shall be in scope of supplier without any cost. Further installation also includes the material required for the installation. The bidder will also provide minimum 1-2 day hands on training at MGCEC campus.	1 Year

Item No.	Name of Goods/Items	Technical Specifications of items	Accessories (if any)	Documents	Installation & Training	Warranty
2.	<b>High Precision Pressure Calibrator</b>	<p>Instruction manual</p> <p>Specification:            Range (Bar): -0.9-30 Bar            Pressure Media: Air            Pressure Pump: HP-03            Display: 128*64 COG graphic LCD with white LED back light            Pressure Port: 2" 1/4" BSP Female            Pump Dimension in mm: 230*65*130(L*H*W)            Resolution(bar): 6 digit user selectable            Instrument Port: 1/4 BSP Male*10mm long            Instrument dimension: 100*100*55(W*H*D)mm            Instrument Weight: 400g (approx.)            Stability time: 1-2 min            Accuracy: <math>\pm 0.05\%</math>FS            Pressure            units: bar, mbar, MPa, kPa, Kg/cm<sup>2</sup>, mmHg, cmHg, mmHg, in H<sub>2</sub>O etc            Pressure Zero: one touch zero provided on front key            Switch test provided            Temp Measure: RTD-PT100 Power Supply: 9V.            Pump weight: 1250 gm (approx.)            Low pressure pump range: -0.95 to 40 bar            9V DC battery charger (9V DC battery rechargeable battery)            AC to DC Adaptor            Calibration certificate            Temperature Sensors &amp; Suitable pressure gauge required for practicals            Instruction Manual and practical manual            Carrying case            Pressure / Vacuum Pump of capacity (-0.9 to 30 bar)</p>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGGEC camps.	1 Years
3.	<b>Dry Block Temperature Calibrator</b>	<p>Specification:            Display: 2.8" true TFT with touch screen            Temperature range: Ambient +5 to 500°C            Radial uniformity (better than): <math>\pm 0.05^\circ\text{C}</math>            Resolution: <math>0.01^\circ\text{C}</math></p>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-	1 Years



Item No.	Name of Goods/Items	Technical Specifications of Items	Accessories (if any)	Documents	Installation & Training	Warranty
4.	<b>Multifunction Differential Pressure Manometer</b>	<p>Stability: <math>\pm 0.08^{\circ}\text{C}</math>  Temperature read out: <math>^{\circ}\text{C}</math>  Heating Time: Ambient to 500 -25 min  Cooling Time: 500 to 50 ---1 hr 20 min  Stabilization time: 15 min  Well dimension (dia*height): 20*100mm  Standard well holes in mm: 6.2 * 2 nos  Power Supply: 230VAC <math>\pm 10\%</math> / 50Hz  Power Consumption: 350W  Overall dimension in mm: 170*95*183 mm  Instrument weight: 3.75Kg  Spare fuses,  carry bag,  well tools,  different types of thermocouples like k-type, k-type extension wire, T-type, for demo purpose (at least 3 each),  instruction manual and practical manual,  Standard well insert,  traceable calibration certificate,  master indicator with sensors,  additional well insert</p> <p>Multifunction Differential Pressure Manometer measures negative, positive and differential pressure. Option for 11 measurement units</p> <ul style="list-style-type: none"> <li><math>\pm 30\text{psi} / 206.8 \text{ kPa}</math> Differential Pressure Sensor. Built-in option for 11 different measurement units.</li> <li>ZERO setting function. TPU sheath for protection when using in harsh and rugged environments.</li> <li>32 Data Storage. Auto Power-off (manual option available).</li> </ul> <p>Accuracy: <math>\pm 1\%</math> FS. Linear Hysteresis  Phenomenon: <math>\pm 0.1\%</math> FS. Max. Pressure Limit: 206.8kPa(*). Repeatability: <math>\pm 0.25\%</math> FS. Reaction</p>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGGEC campus.	1 Year

Item No.	Name of Goods/Items	Technical Specifications of items	Accessories (if any)	Documents	Installation & Training	Warranty
5.	Vernier calipers with large LCD screen electronic vernier caliper thickness measuring Tool	<p>Time: 0.5 secs (25°C ±2°C).</p> <p>Vernier calipers with large LCD screen electronic vernier caliper thickness measuring Tool 0-6 in/0-150 mm auto off featured. (a-150mm)</p> <p>Material Type Stainless Steel</p> <p>Item Dimensions L x W:24L x 8W Centimeters</p> <p>Technical Specifications Of Digital Vernier Caliper</p> <ul style="list-style-type: none"> <li>• Resolution: 0.01 mm</li> <li>• Accuracy: ± 0.02 mm / &lt;0.001 in (&lt;100 mm); ± 0.03 mm / 0.001 in (&gt; 100-200 mm)</li> <li>• Repeat accuracy: 0.01 mm / 0.0005 in</li> <li>• Maximum measurement speed: 1.5 m / s, 6 in / s</li> <li>• Measuring system: Linear capacitive measuring system</li> <li>• Display: Screen</li> <li>• Power supply: One 1.5 V alkaline lithium button cell, type LR44, capacity 180 mAh</li> <li>• Operating temperature: 5 - 40/41 to 104</li> <li>• Precision OF digital vernier up to 0.0005 inches/0.01 mm</li> <li>• With zero function. you can measure anything any time at any point with this electronic caliper</li> <li>• Fine adjustment roller and locking promise to get more accurate value from calipers</li> <li>• Can easily change the measuring model to Millimeter, Inch, only through one button controlling</li> <li>• Auto off if the vernier stop working for</li> </ul>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGGEC campus.	1 Year



Item No.	Name of Goods/Items	Technical Specifications of items	Accessories (if any)	Documents	Installation & Training	Warranty
6.	U Tube manometer 300-0-300 MMWC	<p>U Tube manometer 300-0-300 MMWC made of ACRYLIC Body.</p> <p>Item weight: 1 Kg 800gm</p> <p>Package dimensions: 75*12*5.5cm, 1.8 Kg</p> <p>Side along diagonal/diameter: 5.5 cm</p> <p>Material: Metal Accuracy: 0.1 to 0.2%</p> <p>Pressure Range: MM WC/PA/MMHG</p> <p>Resolution: 300mm Maximum Temperature: 70°C</p> <p><b>Specification for transparent tube Inner Tube</b></p> <p>(Transparent. Diameter 1/4 Inch, 6.35 mm, 5 Meters)</p> <ul style="list-style-type: none"> <li>• Colour - Transparent. Material - PVC</li> <li>• Inner Diameter - 1/4" (6.35 mm). Length - 5 Meters</li> <li>• The diameter of the wall is 1/16"</li> <li>• Premium Quality Tubing ideal for potable water, laboratory use, aquarium use, drainage lines etc</li> </ul>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGGEC campus.	1 Years
7.	U Tube Manometer 150-0-150 mmWC	<p>U Tube Manometer of Acrylic with SS Nozzle, 150-0-150 mmWC, Wall Mounted for Accurate Pressure Measurement - For Laboratory and Industrial Use Item: Acrylic U Tube Manometer</p> <ul style="list-style-type: none"> <li>• Measuring Range: Wide range of 150-0-150 mmWC for versatile applications.</li> <li>• Nozzle Material: 1/4" Stainless Steel (SS) nozzle for enhanced durability and corrosion resistance.</li> <li>• Application Versatility: Suitable for both</li> </ul>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGGEC campus.	1 Year

Item No.	Name of Goods/Items	Technical Specifications of items	Accessories (if any)	Documents	Installation & Training	Warranty
8.	<b>Inclinometer Protractor</b>	<p>Industrial and laboratory applications, meeting diverse needs.</p> <ul style="list-style-type: none"> <li>Use Cases: Industrial and Laboratory Applications</li> <li>Construction: Sturdy and durable acrylic U tube design for reliable pressure measurement.</li> </ul> <p><b>Specification for transparent tube:</b> Colour - Transparent, Material - PVC  Inner Diameter - 1/4" (6.35 mm), Length - 5 Meters  The diameter of the wall is 1/16"  Premium Quality Tubing ideal for potable water, laboratory use, aquarium use, drainage lines etc</p> <p>Inclinometer Protractor Tilt Level Meter Angle Finder Clinometer with Magnetic Base (100 mm)  Product Dimensions 12 x 12 x 5 cm; 140 g</p> <ul style="list-style-type: none"> <li>Measures angles accurately and quickly from 0-90 degrees in any quadrant</li> <li>Easy And convenient to use</li> <li>Accuracy within 1/2 of 1 degree</li> </ul> <p>Magnetic base for mounting on steel framing square or Pipe</p>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGCEC campus.	1 Years
9.	<b>Measurement Tape</b>	<p>5 Meter Tylon Measurement Tape in Rugged Rubber Case for Precise &amp; Accurate Measurements with Anti-Slip Properties for Home, DIY, Industrial &amp; Professional Use, YELLOW &amp; BLACK  Product Dimensions 25L x 7W Centimetres  Item Weight 430 Grams  Blade Length 5 Metres</p>		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGCEC campus.	1 Years
10.	<b>Measuring Jug</b>	<p>Measuring Jug 2000ml, 1000ml, 500ml, 250ml, with Handle Plastic Transparent Combo Pack  Colour Transparent  Material Polypropylene  Capacity 2000 Milliliters  Brand Widely Pure</p>				1 Year



Item No.	Name of Goods/Items	Technical Specifications of items	Accessories (if any)	Documents	Installation & Training	Warranty
11.	Liquid Mercury (100g) for nanometer purpose	Item dimensions L x W x H 12.7 x 12.7 x 25.4 Centimeters Item Weight 160 Grams Liquid Mercury (100g) for nanometer purpose Standard Atomic Weight: 200.592(3), Density: 13.534 g/cm <sup>3</sup> , Molecular Heat Capacity: 27.983 J/(mol·K) Melting Point: 234.3210 K (-38.8290 °C, -37.8922 °F), Boiling Point: 629.88 K (356.73 °C, 674.11 °F) In Purest Form - 99.99 Percent Pure and Odourless				1 Year
12.	Slip Gauge Set 83 pcs	Slip Gauge Set 83 pcs (Grade II) with Individual Calibration Certificate Material: Stainless Steel Size (L x B x H): 36 cms x 24 cms x 8 cms Item Package Quantity: 1 Weight 5 Kg 500gm Included Items :slip gauge set and calibration certificate Colour:silver		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGCEC campus.	1 Year
13.	Suction Blower	Suction Blower with One Globe type valve at blower entry and One butterfly valve at the blower exit with appropriate Flanges (if required) to connect pipes further at inlet and outlet side Specification: 3HP motor blower of suction type 2800 rpm three phases Type S1 (for continues operation) Inlet & outlet pipe diameter = 3 inch One Globe type valve at blower entry of pipe diameter 3 inch for precise measurement One butterfly valve at the blower exits of pipe diameter 3 inch		Instructional manual	Installation shall be in scope of supplier without any cost. The bidder will also provide minimum 1-2-day hands on training at MGCEC campus.	1 Year

Suppliers/distributors/authorized dealer need to give wall charts of Goods/Items.

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## ANNEXURE-C

## Bid Price of Goods/Items

Name of Labs: Mechanical Measurement Lab  
 Delivery Address: Mahatma Gandhi Government Engineering College Kotla (Jeori), Teh- Rampur Bushahr,

District Shimla, Himachal Pradesh. PIN 172101

Delivery Time (in days): 30 days

Sr. No.	Name of Item	Unit Price (Without GST) (Rs.)	GST (Also Indicate %) (Rs.)	Unit Price Including GST (Rs.)	Qty. Required	Total Price (Including GST) (Rs.)	Remarks (Please mention Page number of detailed information brochure)
1.	Micro Manometer (with Pitot Tube compatible with Micro Manometer)				1		
2.	High Precision Pressure Calibrator				1		
3.	Dry Block Temperature Calibrator				1		
4.	Multifunction Differential Pressure Manometer				1		
5.	Vernier calipers with large LCD screen electronic vernier caliper thickness measuring Tool				1		
6.	U Tube manometer 300-0-300 MMWC				1		
7.	U Tube manometer 150-0-150 MMWC				1		
8.	Inclinometer Protractor				1		
9.	Measurement Tape				1		
10.	Measuring Jug				1		



11.	Liquid Mercury (100g) for manometer purpose					1			
12.	Slip Gauge Set 83 pcs					1			
13.	Suction Blower					1			
<u>Total Price (Rs.)</u>									

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