



महाराष्ट्र शासन

Prof. Vaer



### GOVERNMENT POLYTECHNIC BEED

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"Vision :- To make competent Engineering Professional with Ethical core values."



MSBTE CODE - 032

DTE CODE - 2011

No. GPB/Store Officer/2020/ 3294

Date:- 04/12/2020

### Tender Notice

**Sub:- Quotation for design and installation of common performance panel for diesel and petrol engine.**

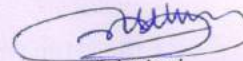
Sealed quotations are invited from eligible and interested manufacturers/dealers/distributors/service providers for **design, fabrication, installation and commissioning** of the material with terms and conditions listed below.

| Sr. No. | Details of purchase   | Quantity |
|---------|---|----------|
| 01      | <p><b>Design, fabrication, and installation of common performance panel for diesel and petrol engine</b><br/>           [This Institute possesses-<br/>           A 2 cylinders 4 stroke diesel engine (10 bhp, 1500 rpm) test rig and a 4 cylinders 4 stroke petrol engine (1180 cc, 26 bhp, 1200 rpm) test rig. The said engines are in good and working condition but the performance measuring accessories are not working and are beyond repair condition. For experimentation purpose this Institute needs a common performance measuring panel with following requirements]</p> <p>The setup panel should have standalone panel box consisting of air box, twin fuel tank for dual fuel, manometer, fuel measuring unit, transmitter for air and fuel measurement, process indicator and piezo-electric speed measuring unit. Rotameters should have provided for air cooling water and calorimeter water flow measurement, digital temperature indicator with 11 channel, digital volt meter, digital ammeter, digital energy meter, light load cell for diesel engine, and cylinder cut-off arrangement for Morse test.</p> <p>The setup should provide study input of engine performance for diesel and petrol fuel, for break power, indicated power, frictional power, BMEP, IMEP, Break thermal efficiency, Indicated thermal efficiency, Mechanical efficiency, Volumetric efficiency, Specific Fuel Consumption, Air:Flow ratio, Heat balance and Combustion analysis.</p> <p>All sensors, indicator controls should be sturdy, robust and have made up of standard make and suitable capacities and warranties.</p> <p>The complete panel should be powder coated for all MS pipe/angle sections and PVC or acrylic combinations for fabrication of panel. Castor wheels should be provided to the panel for movement.</p> <p>Operative instructions (SOP)/manual, technical drawings, safety instructions and indicators should be provided.</p> | 01       |



## Terms and Conditions

- 1) **Material must be supplied at Institute site.**
- 2) **Quote your rates with design, fabrication, installation and commissioning charges.**
- 3) **GST and any other charges (if any) must be quoted separately.**
- 4) **Bill must be in duplicate/triplicate bearing GST number.**
- 5) **The material and quality of work will be inspected at this institute.**
- 6) **Rates should be valid for 6 months from the date of quotation opening.**
- 7) **Delivery to the consignee has to be effected within two weeks from the date of issue of purchase order failing to which a penalty of 0.5% per week (Max 10% of purchase order cost) will be charged.**
- 8) **The quotations should reach the undersigned on or before dt. 14/12/2020 before 5 pm.**
- 9) **Quotations will be opened at 11 AM on dt. 15/12/2020**
- 10) **The tenderer must attach following documents with quotation**
  - a) **Establishment Registration Certificate of Tenderer.**
  - b) **GST registration certificate/ Number**
  - c) **GST Clearance Certificate/ GST Challan Till on July 2019.**
  - d) **Technical literature / leaflet / specification sheet of the item quoted along with warranty /Guarantee Clause.**
  - e) **Undertaking about Quality, and after sales service of the item / equipment & Machinery.**
  - f) **Authorization / Distributorship certificate from manufacturer or proof of permission to**
  - g) **Sale the equipment / item / mentioned in the quotation from competent authority (to be submitted if the tenderer is not a manufacturer).**
- 11) **The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.**

  
Principal,

Government Polytechnic, Beed

Copy to,

- ✓ 1) Institute website in-charge officer for publishing this tender on web portal.
- 2) Institute notice board.
- 3) Local suppliers/distributors