



P.E.S. COLLEGE OF ENGINEERING MANDYA, KARNATAKA

OFFICE OF THE TEQIP CELL

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INVITATION FOR QUOTATION

TEQIP-II/2015/KA1G02/Shopping/77

26-Jun-2015

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Universal Engine Test Rig	1	90	Department of Automobile Engineering, PESCE, Mandya – 571401 Karnataka	Installation and testing to the satisfaction of the Departmental technical committee

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 3.4 Applicable taxes shall be quoted separately for all items.
 - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

 - 6.1 are properly signed ; and
 - 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

 - 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
 - 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 0% of total cost
Satisfactory Acceptance - 100% of total cost

10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **13-Jul-2015** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Needed**
14. Testing/Installation Clause (if any) **Installation and testing to the satisfaction of the Departmental technical committee**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,
**Office of the TEQIP Cell, PES College of Engineering, Mandya - 571 401 KARNATAKA,
Phone: 08232 220043 Ext: 289**
17. We look forward to receiving your quotation and thank you for your interest in this project.

**Head of the Procuring
Department**

**Nodal officer
Procurement**

Principal

Annexure I

Sl. No.	Specifications
UNIVERSAL ENGINE TEST RIG	
1	<p>EDDY CURRENT DYNAMOMETER Maximum Power – 100 BHP @ 3000 to 7500 RPM Maximum Torque – 234 N-m @ 1500 to 3000 RPM Accuracy of torque indication is 0.25 % of Max. Dyno Torque with load cell type weighing mechanism</p> <p>The Dynamometer is suitable for absorbing and measuring power in both directions of rotation (Bi-Directional) from Single and Multi-Cylinder cylinder Petrol / Diesel engines in the Power range of the Dyno.</p> <p>Load Cell Weighing Mechanism ; The output of Load Cell is given to a digital load indicator to show load in Kg or Torque in N-m. The Load/Torque indicator has 4 & ½ (9/2)-digit display with a resolution of 0.1 N-m.</p>
2	<p>Dynamometer Controller for Eddy Current Dynamometers, 1) Constant Excitation Current Mode 2) Constant Torque Mode. 3) Constant Speed Mode.</p> <p>Suitable Capacity Transformer is supplied along with the Controller</p>
3	Integrated modular data acquisition system
4	Calibration Kit – Including Calibration arm and Set of weights for checking calibration up to 25 Kg.
5	<p>UNIVERSAL ENGINE MOUNTING TEST BED TYPE T-3 Overall size 1015 mm x 1015 mm. It consists of 1) A T- slotted C.I. bed of sturdy construction, 2) 4 Nos. of Screw columns, 3) 4 Nos. of C.I. Hand-wheels for height adjustment & 4) 2 Nos. of T-slotted steel rails etc. with Spanner. The present adjustments possible in the bed are as follows – X axis (Rail Length) is 900 mm. Y axis adjustment from is 100 mm to 600 mm w.r.t center Z axis (Height) adjustment from 425 mm to 650 mm w.r.t. bottom of bed</p>
6	Cardan Shaft and Guard
7	Mechanical throttle actuator
8	K type Thermocouple Extension Cable type WK-359 – 100 meters
9	RH + Ambient Temperature Transmitter – 2 outputs – 1 for Ambient temperature and 1 for Relative Humidity Percentage

10	Barometric Pressure Transmitter – with cable and mounting Range up to 1020 mBar with necessary accessories and connections
11	Instrument Cabinet – for housing all electronic controllers, indicators etc. with 10 meter cable loom
12	PC Base Automation Software It Consists of - 1) Required Connection and Interfacing Hardware - 2) Lab VIEW based User Friendly Software working in Win XP environment for Data Logging and Report generation with following facilities a. Facility for Creating Test , b. Facility for Sequencing the Tests c. Facility for Repeating the Tests for Defined Number of times d. Channel Configuration Facility with 4 Level Alarm annunciation for 14 Parameters being logged e. Data Logging with Supervisory Control f. Loading and Unloading Facility thro' PC Software Panel, with manually or thro automated Load Sequence Control facility in Auto Mode g. Audio Visual Alarms for Any measurement parameter exceeding the warning and alarming limits h. Report Generation Facility with Printing, Saving and Export to Excel Options 3) Combustion Analyser Package – ECA 1.0.1 consisting of a. NI USB 6210 Data Acquisition Card b. Sensor Connection Chassis c. Kistler make 6613CQ09 Sensor with Necessary Cables d. Mounting Sleeve for Diesel Engine e. Tool Set and Sensor Mounting adapter f. Software for Data Acquisition and Combustion analysis for Pressure-Crank angle, Pressure-Volume, Pressure Derivate, Heat Release Rate etc. with data Export to Excel and MatLAB
13	Magnetic Strainer - Model ATE-NB25-MS
14	Gravimetric fuel consumption meter with PC interface
15	4 Cylinder, 4 Stroke MPFI Petrol ECCO Engine

**Head of the Procuring
Department**

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____