

## INVITATION FOR QUOTATION

TEQIP-II/2012/WB2G02/Shopping/19

24-Jul-2012

To,

**Sub: Invitation for Quotations for supply of Goods**

**Package Code: TEQIP-II/WB/WB2G02/19**

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	Diesel engine test Computerized	1	20	Chemical Engineering	Yes

2. Government of India has received a credit from the International Development Association (IDA) in various currencies equivalent to **US\$ 300 Million** 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 total price.

3.4 **Applicable taxes shall be quoted separately for all items. Please note that the Excise exemption & Customs concession is applicable to Jadavpur University.**

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. **Validity of quotation:** Quotation shall remain valid for a period not less than **45** 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.

- Quotations will be compared on the basis of quoted price for goods at its final destination.
- Past performance & experience may be furnished to consider the credential of the bidder

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:

**100% of the total cost immediately after delivery, Satisfactory installation along with demonstration and testing of the goods and also acceptance by the department.**

10. All supplied items are under normal commercial warranty/ guarantee of not less than **12** months from the date of successful acceptance of items.

11. Rate of AMC may be furnished separately, which will be applicable at the end of the normal commercial warrant period.

12. You are requested to provide your offer latest by **15:30** hours on **08-08-2012**. Bids will be opened on the same day at 16:00 hours.

13. Detailed specifications of the items are at Annexure I.

14. Training Clause (if any) **Demonstration at the time of Installation**

15. Testing/Installation Clause (if any) **Satisfactory Installation & Testing is required**

16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

17. Sealed quotation to be submitted/ delivered, **within 15:30 hours of 08-08-2012**, at the address mentioned below,

**TEQIP CELL, 2<sup>nd</sup> Floor, Aurobindo Bhavan, Jadavpur University, 188, Raja S. C. Mallick Road, Kolkata- 700 032.**

18. We look forward to receiving your quotation and thank you for your interest in this project.

Dr. Gupinath Bhandari  
Nodal Officer, Procurement  
TEQIP, Phase-II

**Annexure I**

**Package Code: TEQIP-II/WB/WB2G02/19**

Sr. No	Item Name	Specifications
1	Diesel engine test Computerized	<p>Single Cylinder Four Stroke Diesel Engine Test Rig, coupled to Eddy current dynamometer with following specifications:</p> <p>5-10 HP, not less than 1500 RPM, water cooled, vertical, with variable compression ratio (12-18), coupled directly to Eddy current dynamometer of 7.5 KVA 1500 rpm output.</p> <p>The system should comprise an Exhaust gas analyzer which can be coupled to the said engine for monitoring following gases: CO (0-10%), CO<sub>2</sub> (0-20%), HC (0-2000ppm), O<sub>2</sub> (0-22%), NO (0-5000ppm) should be inclusive.</p> <p>The system should also include data-acquisition hardware systems and pertinent software along with Computer (standard quality), UPS and printer for data storage and processing.</p> <p><u>Other specifications:</u></p> <p>Mounted on a strong channel base with antivibration mounts</p> <p><u>Measurement panel :</u></p> <p>Made from MS powder coated with Perspex transparent cover, with all digital meters, required sensors, probes, thermocouples</p> <p>LOAD : Load cell, torque arm</p> <p>with special piezoelectric pressure sensor (all instruments/accessories should be of high quality)</p> <p>All other accessories for installation and demonstration of the unit should also be included.</p>

**Essential Experimental Facilities :**

- a. Calculate actual volume of air
- b. Calculate volumetric efficiency
- c. To determine Air fuel ratio
- d. Determine total fuel consumption, specific fuel consumption
- e. Draw P-theta and PV diagram
- f. Calculate brake power
- g. Calculate friction power
- h. To determine Brake thermal, Indicated thermal and Mechanical efficiency
- i. To draw Heat Balance Sheet
- j. Calculate maximum pressure
- k. Determine CO, CO<sub>2</sub>, HC , O<sub>2</sub>, NO in the engine exhaust

**Note : The supplier/manufacturer may mention additional experimental capabilities available in their system**

**FORMAT FOR QUOTATION SUBMISSION**

(In letterhead of the supplier with seal)

**Package Code: TEQIP-II/WB/WB2G02/19**

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)
<b>Total Cost</b>							

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: \_\_\_\_\_