

PROCUREMENT OF GOODS
UNDER
NATIONAL SHOPPING PROCEDURES

*(For Contracts valued less than the
equivalent of US \$50,000 each)*

No. / Category of quotation :- RIT/TEQIP/E5/ Mech./05

Supply of equipments for Fluid mechanics and fluid machinery laboratories in Mechanical Department

Sr. No	Brief Description of item	Specifications	Qty	Period of delivery	Place of Delivery	Installation if any
1	Bernoulli's Theorem test rig (Closed loop water system)	<p>A) Reservoir tank</p> <p>a) Tank size - mm* mm* mm(height)</p> <p>b) M.S.sheet – S.W.G. thick</p> <p>c) Fiber reinforced plastic lining from inside & Powder coating from outside (for rust prevention)</p> <p>d) Drain cock of suitable diameter with suitable pipe connections at the bottom of tank</p> <p>e) Supply piping</p> <p>f) Pump mounting facility</p> <p>g) Tank capacity- lit.</p> <p>B) Measuring Tank</p> <p>a) Tank size - mm* mm* mm(height)</p> <p>b) M.S.sheet – S.W.G. thick</p> <p>c) Transparent Piezometer tube with transparent unbreakable acrylic cover and proper support & Stainless steel scale ofcm height.</p> <p>d) Fiber reinforced plastic lining from inside & Powder coating from outside (for rust prevention)</p> <p>e) Drain cock of suitable diameter with suitable pipe connections at the bottom of tank.</p> <p>f) Tank capacity- lit.</p> <p>C) Supply Tank</p> <p>a) Tank size - mm* mm* mm(depth)</p> <p>b) M.S.sheet – S.W.G. thick</p> <p>c) Fiber reinforced plastic lining from inside & Powder coating from outside</p>	1	4 to 6 weeks	RIT Sakharale	Yes

		<p>(for rust prevention)</p> <p>d) Drain cock of suitable diameter with suitable pipe connections at the bottom of tank</p> <p>e) Tank capacity- lit.</p> <p>f) Over flow pipe connection up to reservoir tank.</p> <p>D) Delivery Tank</p> <p>a) Tank size- mm* mm* mm (depth)</p> <p>b) M.S.sheet – S.W.G. thick</p> <p>c) Fiber reinforced plastic lining from inside & Powder coating from outside (for rust prevention)</p> <p>d) Drain cock of suitable diameter with suitable pipe connections at the bottom of tank</p> <p>e) Tank capacity- lit.</p> <p>f) Over flow pipe connection up to reservoir tank.</p> <p>E) Transparent Duct/ Channel</p> <p>I) Material – Unbreakable transparent and clearly visible, with thickness of minimum 12 mm.</p> <p>II) Length of channel-..... mm with..... number of unbreakable Piezometer tubes of mm height.</p> <p>III) Length of convergent portion mm, length of throat..... mm and length of divergent portion mm.</p> <p>IV) Cross sectional diameters of test pipe below the Piezometer tubes.mm. (for 1 to n number of tubes.)</p> <p>III) Stainless steel scales of suitable height.</p> <p>F) Pump</p> <p>i) Make- ISI mark</p> <p>ii) Self priming type</p> <p>ii) Power –</p> <p>iv) Discharge –</p> <p>v) Head –</p> <p>vi) Size-</p> <p>vii) Electric cable of suitable length and</p>				
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		<p>three-pin top.</p> <p>viii) M.S. fabricated stand/ foundation for the mounting centrifugal pump</p> <p>ix) Suitable suction piping with foot valve and strainer, delivery piping with flow control valve are to be used.</p>				
2	Models and instruments for existing test section of subsonic Wind tunnel	<p>Existing set up details-</p> <ul style="list-style-type: none"> • Test section size 39 cm ht* 60 cm wt* 131 cm length • Motor power- 7.5 kW, motor speed- 1500 rpm • Air flow- 0.15 cubic meter / sec at 40 mm WG <p>Required items detail-</p> <ul style="list-style-type: none"> • Set of aerofoil models- circular, rectangular, disc, triangular, aerofoil etc. • Pressure measurement instrument • Force measurement instrument (Lift and drag) • Velocity measurement instrument 	1	4 to 6 weeks	RIT Sakharale	Yes
3	Computerized test rig (Closed loop water system) with provision for operating (constant speed and constant head) characteristics of Pelton turbine	<p>Turbine out put power – 5 kW</p> <p>OR (Laboratory test set up as per your specifications)</p>	1	4 to 6 weeks	RIT Sakharale	Yes
4	Computerized test rigs (Closed loop water system) of a) Variable speed (minimum three speeds) Centrifugal pump b) Variable speed	<p>Pump in put power – 1 to 2 kW each</p> <p>OR (Laboratory test set up as per your specifications)</p>	1 each	4 to 6 weeks	RIT Sakharale	Yes

(minimum three speeds) double acting Reciprocating Pump					
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Note: - Your specifications should include technical specifications and detailed dimensional layout and performance curves for all above test set-ups.

2. Government of India has received a credit from the International Development Association (IDA) in various currencies equivalent to US\$ 250 Million towards the cost of the TEQIP 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. **Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The Prices should be quoted in Indian Rupees only.
- e) Prices should include three years guarantee.
- f) Supplier should arrange for consumables and other accessories required for installation and testing of the equipment.

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 deadline date specified for submission.

6. **Evaluation of Quotations**

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

- (a) are properly signed ; and
- (b) confirm to specifications and the specific terms and conditions as follows:

The Quotations would be evaluated for all the items together in each schedule.

7. **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.

7.1 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.

7.2 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.

8. Payment shall be made immediately after delivery and successful installation and commissioning of the goods.

9. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

10. You are requested to provide your offer latest by 12.30 PM. hours on 1st September 2005.

11. We look forward to receiving your quotations and thank you for your interest in this project.

FORMAT OF QUOTATION *

Sr. No.	Description of Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words

Gross Total Cost : Rs.

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

We also confirm that the normal commercial warrantee/guarantee of months shall apply to the offered goods.

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

Applicable while the bids are being invited for more than one item and would be evaluated for all the items together. Modify where evaluation would be made for each item separately