

Quotation should be addressed to the **Registrar, HBTU, Kanpur, Uttar Pradesh-208002**. The envelope should be super scribed with **Quotation for TEQIP-III Package Name – “.....”(As Applicable)** . For any query contact to Prof. S.K. Singhal (9721456057).

Quotation are invited for procurement of the item as per the details given below-

| Sr. No | Package Name | Item Name & Package Code | Specifications | Quantity | Last Date & Time of Submission of Quotation | Quotation Opening Date & Time |
|--------|--------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------|-------------------------------|
| 1 | ME 26 | PELTON WHEEL TURBINE TEST RIG (Close Circuit 1 H.P. Output) (TEQIP-III/UP/hbti/50) | "Capable of drawing performance characteristics of Pelton Turbine constant head, constant speed, constant efficiency. PELTON WHEEL TURBINE TEST RIG(Close circuit type Miniature Model) Features: *Self contained water circulation unit. *Pump giving adequate flow for meaningful experiments. * Service required: Capacity of water - 450 lit. approx * Comprehensive Instruction Manual covers experiment presented in the form of a full laboratory report. * Space saver as turbine is mounted over the sump tank. * Space requirement: Floor area 2.2 m x 0.7 m x 2.5 m approx. Flow measuring unit | 1 | 27/09/2018 15:00 Hrs | 27/09/2018 16:00 Hrs |

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| | | | <p>Piping system consists of pipes, valves, fittings to, suitable the Pelton Turbine Test Rig.</p> <p>A SS Tank (Sump) to store sufficient water for independent circulation through the unit for experimentation and arranged within the flow space of the main unit.</p> <p>"</p> | | | |
| 2 | ME 27 | <p>FRANCIS TURBINE TEST RIG (1 H.P. output, close circuit type)</p> <p>(TEQIP-III/UP/hbti/51)</p> | <p>"Capable of drawing performance characteristics of Francis Turbine constant head, constant speed, constant efficiency</p> <p>FRANCIS TURBINE TEST RIG (1 H.P. output)</p> <p>Features:</p> <ul style="list-style-type: none"> * Self contained water circulation unit. * Pump giving adequate flow for meaningful experiments. * Service required: Capacity of water - 500 lit. approx * Comprehensive Instruction Manual covers experiment presented in the form of a full laboratory report. * Space saver as turbine is mounted over the sump tank. * Francis Turbine Test Rig, 100 mm size to develop 1 HP at 1000- 1250 RPM with a flow of about 1500 LPM at 15 meters supply head. <p>Switch and starter for the above pump set.</p> <p>Flow measuring unit consists</p> <p>A SS Tank (Sump) to store sufficient water for independent circulation through the unit for experimentation and arranged within the flow space of the main unit</p> <p>Rigid M.S. Frame work compactly fitted with all the above items as self sufficient package unit suitable for operation without any foundation etc. shall be provided.</p> | 1 | 27/09/2018 15:00 Hrs | 27/09/2018 16:00 Hrs |

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| 3 | ME 28 | <p>Centrifugal Pump Test Rig (Variable Speed type)</p> <p>(TEQIP-III/UP/hbti/52)</p> | <p>"To determine the efficiency of pump</p> <p>Features:</p> <p>Self contained water circulation unit.</p> <ul style="list-style-type: none"> * Pump giving adequate flow for meaningful experiments. * Service Required: Capacity of water -90 lit. approx Electrical supply - Single phase,1.0 H.P. Cap. * Comprehensive Instruction Manual covers experiment presented in the form of a full laboratory report. * Space saver as collecting tank is mounted over the sump tank. * Space requirement: Floor area 1.7 m x 1.0 m x 1.5 m approx. <p>Description:</p> <p>Apparatus consists of a close circuit through which water is circulated continuously by means of a centrifugal pump of 25 mm x 25 mm coupled to 1.0 H.P. capacity D.C. motor to make the supply from sump tank.</p> <p>A sump tank of S.S. sheet along with a drain valve in the bottom of the tank.</p> | 1 | 27/09/2018 15:00 Hrs | 27/09/2018 16:00 Hrs |
| 4 | ME 29 | <p>Hydraulic Ram Test Rig</p> <p>(TEQIP-III/UP/hbti/53)</p> | <p>"Capable of determining various efficiencies of Hydraulic Ram</p> <p>HYDRAULIC RAM</p> <p>Features:</p> <ul style="list-style-type: none"> * Self contained water circulation unit. * Space requirement: Floor area 6.5 m x 0.9 m x 3.9 m approx. <p>Description:</p> | 1 | 27/09/2018 15:00 Hrs | 27/09/2018 16:00 Hrs |

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| | | | <p>Apparatus consists of a close circuit through which water is circulated continuously by means of a centrifugal pump of 25 mm x 25 mm with 1.0 H.P. motor to make the supply from sump tank.</p> <p>A sump tank of S.S. sheet . A drain valve should be provided in the bottom of the tank.</p> <p>A supply tank with 1.5 mm thick S.S. sheet.</p> <p>"</p> | | | |
| 5 | ME 30 | <p>Gear Pump Test Rig</p> <p>(TEQIP-III/UP/hbti/54)</p> | <p>"Capable of determining efficiency of gear pump</p> <p>GEAR PUMP TEST RIG</p> <p>Features:</p> <ul style="list-style-type: none"> * Self contained oil circulation unit. * Pump giving adequate flow for meaningful experiments. * Service Required: Capacity of oil - 100 lit. approx Electrical supply - Single phase, 1.0 H.P. Cap. * Comprehensive Instruction Manual covers experiment presented in the form of a full laboratory report. <p>Description:</p> <p>Apparatus should consists of a close circuit through which oil is circulated continuously by means of a gear pump of size 25 mm x 25 mm coupled to a 1.0 H.P. capacity coupled with a A.C. motor to make the supply from sump tank. Motor operates on single phase, 220 Volts, 50 Hz. A.C. supplies.</p> <p>A sump tank of S.S. sheet along with drain valve in bottom of tank.</p> <p>"</p> | 1 | 28/09/2018 | 28/09/2018 |
| | | | | | 15:00 Hrs | 16:00 Hrs |

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: _____