



COEP Technological University, Pune

A Unitary Public University of Government of Maharashtra

Mechanical Engineering Department

Wellesley Road, Shivajinagar, Pune - 411005, Maharashtra, India

Tel- 02025507009/7900

Email- hod.mech@coeptech.ac.in

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Enquiry Letter

Sealed Quotation are invited by the Department of Mechanical Engineering, COEP Technological University Pune from reputed vendors/reseller/suppliers/service providers for the repair and upgradation and Digitisation of the existing Fluid Machinery Laboratory.

Enquiry Number: -	COEPTU/Mech/Enq/2026-27/ 455												
Enquiry Date: -	06/10/2026												
Description & Qty: -	proposal for Repair, Upgradation, and Digitization of the Existing Fluid Machinery Laboratory and following are the equipment. <table border="1"><thead><tr><th>Sr.No.</th><th>Equipment Name</th><th>Qty</th></tr></thead><tbody><tr><td>1</td><td>Pelton Turbine</td><td>1</td></tr><tr><td>2</td><td>Kaplan Turbine</td><td>1</td></tr><tr><td>3</td><td>Francis Turbine</td><td>1</td></tr></tbody></table> Up gradation of Manual System into the Computerized System Using Data Acquisition System. The Data Acquisition System Consist of: 1. All The Measuring Parameters like All Pressures, Load and RPM are displayed, Calculated and stored 2. Graphical representation of all measuring data against time. 3. Real time data displayed and calculated. 4. Arrangements of data storage and retrieval. 5. All Parameters are displayed on PC based windows compatible software Hardware Hardware Components: 1. 16-Channel Data Logging Device	Sr.No.	Equipment Name	Qty	1	Pelton Turbine	1	2	Kaplan Turbine	1	3	Francis Turbine	1
Sr.No.	Equipment Name	Qty											
1	Pelton Turbine	1											
2	Kaplan Turbine	1											
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2. Pressure Transmitters 0 to 2 bars and 0 to 10 bars capacity
3. Load sensor - 0 to 20 kg capacity
4. Load transmitter - input 0 to 5 mv and output 4 to 20 mA
5. RPM Sensor of 0 to 3000 RPM range with Transmitter Output 4 to 20 mA
6. Electrical Connections, Signal Conditioning Units, and Switches

Control System:

The control system ensures safe operation, stability, and precise control of experimental conditions.

Control Functions:

- Control of load and RPM
- Monitoring of safety limits, (RPM, Over loading)
- On/Off control through software or hardware switches.

Control Elements:

- Electrical switches and relays
- Interface modules between sensors and DAQ
- Power supply and protection devices

Software

Software Capabilities:

Real-Time Data Display:

- Live visualization of Load, pressure, differential pressure and RPM

Data Calculation & Processing:

- Automatic calculation of derived
- parameters (RPM, Load and pressures.)

Graphical Representation:

- Graphs of all measured parameters plotted against time
- Comparative plots for analysis



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	Data Storage & Retrieval: - Secure storage of experimental data - Retrieval of historical data for analysis and reporting Multi-User Access: - Support for multiple users with login-based access - User-level permissions Compatibility: - Dedicated software compatible with DAQ hardware Supports Modbus and other standard communication
Location: -	Mechanical Department
Quotation Submission Date & Time: -	Up to 15/10 /2026 @ 5:00pm
Quotation Submission Place: -	Establishment office, COEP Technological University, Wellesley Road, Shivajinagar, Pune-411005
Quotation Opening Place: -	Head, Department of Mechanical Engineering, COEP Technological University, Wellesley Road, Shivajinagar, Pune-411005

Terms & Conditions: -

1. Fax and Email quotation are not acceptable.
2. The taxes, insurance, freight, packing and forwarding charges if any be quoted in Indian Rupees separately.
3. The rates shall be valid for 90 days.
4. Validity: Quotation Validity at least 90 days from the due date.
5. Quotations shall be sent in sealed envelopes clearly marked Quotation for Supply and Installation of, _____, Enquiry Number, Enquiry date and Enquiry due date
6. addressed to The Head, Department of Mechanical Engineering, COEP Technological University Pune-411 005.
7. 100% payment will be paid after satisfactory delivery, installation and commissioning/work.
8. Please specify the make and model of the item.
9. Quotation(s) received after the last date of Quotation submission will be rejected.
10. Delivery/Work Period and Terms Conditions should be mentioned clearly.
11. Delivery/Work: The penalty conditions are applicable for late delivery as per Government norms.
 - a) at the rate of 0.5 % per week; maximum limit of 10% shall be charged in case of PO value is less than 2 Lakh.



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OR

b) at the rate of 0.5 per week; maximum limit of 5% shall be charged in case the PO value is 2 Lakh and above.

12. All following documents/certificates should be provided / attached at the time quotation submission.

a) Shop Act License/Incorporation Certificate/Firm Registration Certificate Copy. b) PAN Card Copy

c) GST Certificate Copy

13. Optional items should be quoted in separate sheets otherwise your quote will be rejected

14. Supply/Work and Installation: - Vendor shall be responsible for successful installation, commissioning and testing of the supplied items at Department of Mechanical Engineering, COEP Technological University Pune 411005.. Any defective component/device will be replaced by vendor at his cost.

15. The Registrar of COEP Technological University Pune reserves right to reject any one or all the quotation(s) without assigning any reasons there for.

Kate
6/10/2026

Head

Department of Mechanical Engineering
COEP Technological University