



# COEP Technological University

A Unitary Public University of Government of Maharashtra  
(Formerly College of Engineering Pune)

## Department of Mechanical Engineering

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

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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 Expertise and Consultancy services for Design review and Development of ARMREB project of Feasibility Analysis and Experimental Study of Turret Gun Control System.

Enquiry Number: -	COEPTU/Mech/Enq/ Expertise and Consultancy services for Design review and Development of ARMREB project of Feasibility Analysis and Experimental Study of Turret Gun Control System. /2024-25/
Enquiry Date: -	21/02/2025
Description & Qty: -	<ol style="list-style-type: none"><li>Key Modules:<ul style="list-style-type: none"><li>Elevation &amp; Traverse Modules: Structural integrity, material selection &amp; stress analysis evaluation.</li><li>Gearbox Selection: Gearbox assessed for load capacity, efficiency, and durability.</li><li>Torque Validation: Verification using mathematical equations, MATLAB (static &amp; dynamic simulations), and script-based calculations.</li></ul></li><li>Detailed Design Analysis:<ul style="list-style-type: none"><li>Structural Analysis: ANSYS simulations (static &amp; dynamic) ensuring mechanical stability.</li><li>Torque &amp; Motion Analysis: MATLAB Simulink and SolidWorks integration for torque validation.</li><li>Dynamic Load Simulation: MATLAB-based modeling for acceleration(<math>120^\circ/s^2</math>) &amp; velocity(<math>80^\circ/s</math>).</li></ul></li><li>Motor Selection &amp; Control:<ul style="list-style-type: none"><li>AC Servo Motor with Drives and Driver Selection: AC Servo motor with drives and driver selection for optimal torque and power.</li><li>Control Strategies: Motor position &amp; velocity control algorithms to be analysed using MATLAB.</li></ul></li></ol>
Location: -	Mechanical Department, COEP Technological University Pune
Quotation Submission Date@ Time: -	Up to 03/03/2025 @ 5.00pm
Quotation Submission Place: -	Inward Section, Near Establishment Section, <del>Department of Me</del> Engineering, 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 90days.
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, **Consultancy Services**, Enquiry Number, Enquiry date and Enquiry due date and addressed to The Head, Department of Mechanical Engineering, COEP Technological University Pune - 411 005.
6. 100% payment will be paid after satisfactory delivery, installation and commissioning/work.
7. Please specify the make and model of the item.
8. Quotation(s) received after last date of Quotation submission will be rejected.
9. Delivery/Work Period and Terms Conditions should be mentioned clearly
10. Delivery/Work: The penalty conditions are applicable for the late delivery as per Government norms.
  - a) at the rate of 0.5 % per week; the maximum limit of 10% shall be charged in case of PO value is less than 2 Lakh.

OR

- b) at the rate of 0.5 per week; maximum limit of 5% shall be charged in case of PO value is 2 Lakh and above.
11. 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
12. Optional items should be quoted in separate sheet otherwise your quote will be rejected
13. 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.
14. The Registrar of COEP Technological University Pune reserves right to reject any one or all the quotation(s) without assigning any reasons there for.

*[Handwritten Signature]*  
21.2.25  
Head

**Department of Mechanical Engineering,  
COEP Technological University Pune**

