



Government College of Engineering, Chhatrapati Sambhajanagar

In Pursuit of Technical Excellence

Station Road, Osmanpura, Chhatrapati Sambhajanagar- 431005

[An Autonomous Institute of Government of Maharashtra]

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Web – <https://www.geca.ac.in>

No. GECCS/Mech/2026-27/3403

Date:

30 SEP 2026

To,

GECA Notice Board / GECA Website

Subject :- Quotation for Supply / Work of Mechanical Engineering Department-Project

Dear Sir/madam,

Competitive quotations are invited from eligible and interested dealers, distributors, and suppliers for the supply of the following items, subject to the terms and conditions specified below.

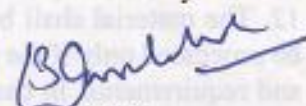
Terms & Conditions -

1. Rates quoted should be free delivery at the Institute inclusive of all lead and Lift.
2. Detailed specifications of the articles you intend to supply should be given. If not according to the specification, laid down here under.
3. The material should be supplied within (07) days from the date of order. List of material is given below.
4. The earliest delivery period should be quoted if you cannot supply within the period mentioned above.
5. **Quotation should be in sealed cover and superscripted as "Quotations of Mechanical Engineering Department Project" Due on : 08/10/2026, at 5 P.M.**
6. Quotation should be valid for six months.
7. Right to reject any or all quotations are reserved with the under signed.
8. Rates quoted must be inclusive of All applicable Taxes.
9. **Delivery of the material will be carried out free of cost at our institute at Mechanical Engineering Department by the supplier.**
10. No advance shall be paid and No part payment shall be made.
11. Detail Specification including make of material should be mentioned in Quotation. If the quoted Item/Peripheral is available with you in different brands/makes, the rates should be mentioned separately brand wise/specification wise. **The quotation shall be rejected without further notice to the supplier if the Make/Brand/Manufacturer's name is not clearly mentioned in the quotation.**
12. The material shall be inspected by the concerned department upon delivery. The bill shall be processed only if the material is found to be in accordance with the prescribed specifications and requirements. In case the material does not conform to the specified requirements, it shall be rejected and returned to the supplier at the supplier's own cost and risk.
13. GST Certificate, Authorized Dealers/distributors/Suppliers Certificate, and other related certificate is attached compulsory.

14. Quotations that do not comply with the above terms and conditions or are incomplete shall not be considered for further evaluation.

Sr.No.	Specification	Remark
1.	1000 W BLDC (Brushless DC) Motor Required Specification – 1000 W BLDC Motor 1000 W (1 kW), 48 V DC, 3-Phase BLDC Motor with rated speed 3000–4500 RPM, minimum torque approximately 3.2 N·m at 3000 RPM, and efficiency $\geq 85\%$. Motor shall have Hall-effect sensors, Class F insulation, IP54 or better protection, S1 continuous duty, and bidirectional operation. Motor shall be compatible with a 48 V, 1000 W BLDC controller having over-voltage, over-current, short-circuit and thermal protection. Suitable shaft, sealed ball bearings, mounting arrangement and cooling shall be provided. Complete set shall include motor, controller, Hall sensor/power cables, connectors and necessary mounting accessories. Minimum 12-month warranty from the date of supply/installation.	
2.	Lithium-Ion Battery Pack – Specification: 48 V, 30 Ah Rechargeable Lithium-Ion Battery Pack, 48 V DC, 30 Ah minimum, with nominal energy of approximately 1.44 kWh. The battery shall be suitable for a 48 V, 1000 W BLDC motor and shall use high-quality Li-ion/NMC or equivalent cells. The battery shall have a minimum continuous discharge current of 30 A and peak discharge current of 50–60 A, with an integrated BMS providing over-charge, over-discharge, over-current, short-circuit, over-temperature protection and automatic cell balancing. Battery shall be supplied with a compatible CC-CV charger, preferably 5–10 A, with suitable charging voltage as per battery configuration. The battery shall have a minimum 800-cycle life, suitable indication for charge status, robust protected enclosure, minimum IP54 protection and suitable DC fuse/protection. Relevant safety certifications shall be provided. The battery shall carry a minimum 12-month warranty from the date of supply/installation.	

Yours faithfully



Principal

Govt. College of Engineering,
Chhatrapati Sambhainagar