



GOVERNMENT COLLEGE OF ENGINEERING, CHHATRAPATI SAMBHAJINAGAR

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“In Pursuit of Technical Excellence”

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No. GECSS/E&TC/2025-26/ **36**

Date -

10 2 JAN 2026

To,

GECA Notice Board / GECA Website

Subject :- Quotation for POE Switches

Dear Sir / Madam, You are requested to send your competitive quotations for eligible and interested Dealers / Distributors / Suppliers for the supply of the following items subject to the following conditions.

Terms & Conditions -

1. Rates quoted should 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 POE Switches For Electronics Dept**” Due on :- 08-01-2025, 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.
09. Delivery of the material will be carried out free of cost at our Institute 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. **If the Make / Brand / Manufacturer name is not mentioned in the quotation will be rejected without giving any information to the supplier.**
12. Material will be inspected by the concerned department. If the material found correct subject to the required specifications, bill will be passed, otherwise returned as it is at your cost.
13. GST Certificate, Authorized Dealers / Distributors / Suppliers Certificate and other related certificate is attached compulsory.
14. Quotation not complying with the above conditions and incomplete once will not be considered .

Sr. No.	Item with Specifications	Qty.	Remarks
01	<p>1) 4 port unmanaged gigabit POE switch 6/5 port network unmanaged switch with 4 Gigabit PoE ports with 2 / 1 Gigabit copper Uplink.</p> <ul style="list-style-type: none"> • 4, 1000Mbps, RJ45 ports, Max. 30W Output of Single PoE Port • Support IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE802.3x • Uplink Port: 2, 1000Mbps, Transmission Distance: Default: 0-100m • PoE Power Budget: 48W • <p>2) 8 port unmanaged gigabit POE switch. 10/9 port network unmanaged switch with 8 Gigabit PoE ports with 2 / 1 Gigabit copper Uplink.</p> <ul style="list-style-type: none"> • Networking standard: IEEE 802.3i 10BASE-T/IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3x Flow Control, IEEE 802.3af/at/bt Power over Ethernet • Support 6KV Lightning and 8KV ESD Protection • Support: 8 ports PoE + 2 ports Uplink • PoE Power Budget: 120W • Support: bt 60W High Power • Support: AI Watchdog Function <p>3) 16 port unmanaged gigabit POE switch 20 Ports network unmanaged Switch with 16 Gigabit PoE Ports & 2 Gigabit copper uplink Ports and 2 SFP Ports</p> <ul style="list-style-type: none"> • 16 port, 10/100/1000Mbps, RJ45 ports, Max. 30W Output of Single PoE Port • Support IEEE802.3/802.3u/802.3ab/802.3z/802.3x • 2 Uplink copper ports, 1000Mbps with Transmission distance of 0-100m • Easy and safe installation: wall-mounting, desktop, Kensington security slot , Plug-and-play. • Support ESD, Surge Protection <p>4) 24 Port unmanaged gigabit PoE Switch 28 Ports network unmanaged Switch with 24 Gigabit PoE Ports & 2 Gigabit copper uplink Ports and 2 SFP Ports</p> <ul style="list-style-type: none"> • 24 port, 10/100/1000Mbps; RJ45 ports; Max. 30W Output of Single PoE Port • Support IEEE802.3/802.3u/802.3ab/802.3z/802.3x • 2 Uplink port, 1000Mbps RJ45 ports and 2 Gigabit SFP ports • Easy and safe installation: wall-mounting, desktop, Kensington security slot , Plug-and-play • Support ESD, Surge Protection • Built-in Power Supply 		

Accessories Specifications

1) RJ45 Cat6 Patch Cable / Cord.

- Length: 1.5 meters (approx. 4.9 feet).
- Performance: Meets or exceeds Category 6 (Class E) requirements, rated for up to 250 MHz frequency.
- Data Transfer Rate: Supports 1 Gbps (Gigabit Ethernet) and up to 10 Gbps for short distances in ideal conditions.
- Connector Type: RJ45 Male on both ends, 8P8C (8 position, 8 conductor).
- Contacts: 50-micron gold-plated contacts to prevent corrosion and signal loss.

2) Power Adapter for IP phone

- AC/DC power supply 110/240 V 50/60 Hz
- Output voltage: 5V DC; Output current: 1000mA max; Output Power: 5W max
- DC connector: 5.5 x 2.1 x 10.0 mm; Standby power consumption: $\leq 0.1\text{W}$
- Protections: against short circuit, overload and overcurrent

3) CAT6 Cable Box

- Category: Cat6 (supports 1000BASE-T Gigabit Ethernet).
- Type: Unshielded Twisted Pair (U/UTP) or Shielded Twisted Pair (STP/FTP), depending on need.
- Conductor: Bare Solid Copper, 4 pairs (8 wires).
- Conductor Diameter: Typically, 0.57mm (23 AWG).
- Insulation: Polyethylene (PE).
- Jacket Material: Fire Retardant (FR) PVC or Low Smoke Zero Halogen (LSZH) for indoor use.
- Performance: 250 MHz frequency support, 1 Gbps data rate, lower crosstalk than Cat5e.
- Internal Structure: Often includes a plastic cross separator (spline) for pair separation.
- **Length: 305-meter (1000 ft) reels.**

4) PVC Casing and capping (per meter) supply with accessories

- Material: High-impact, virgin Polyvinyl Chloride (PVC), usually flexible.
- Standard Compliance: The material should be ISI marked and conform to relevant Indian Standards, such as IS 14927 (Part 1) or other appropriate specifications for electrical installations and wiring duct systems.
- Colour: Typically, white or ivory.
- Shape: Rectangular channel/trunking system with a cap.
- Length: Standard lengths are typically 6 feet (approx. 1.8 meters)
- Locking Mechanism: Often specified with a double-locking or push-fit arrangement for secure closure.
- Accessories: Must be of the same make and material, including internal/external angles, T-junctions, junction boxes, couplers, and bends.
- **Hardware: All necessary hardware for fixing (e.g., non-ferrous screws, clamps, etc.) is typically included in the scope of work.**

