# GOVERNMENT COLLEGE OF ENGINEERING, CHHATRAPATI SAMBHAJINAGAR

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No. GECSS/E&TC/2025-26/ 37      Date - **02 JAN 2026**

To,

GECA Notice Board / GECA Website

### Subject :- Quotation For Supply, Installation, Testing & Commissioning of IP- PBX Communication System, SIP Phones.

    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 Supply, Installation, Testing & Commissioning of IP- PBX Communication System, SIP Phones 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 | Supply, Installation, Testing & Commissioning of TEC ER Certified IP PBX with 120 Concurrent calls, 1000 SIP Users (non-blocking). IP PBX must be able to work in High Availability Mode, if required. The systems offered should support the service provider's SIP trunk, including an open VPN SIP trunk offered by BSNL, 4 ports to connect analog trunks, and a minimum of 12 extensions for connecting analog phones on IP PBX. The IP PBX should comply with TEC ER and have valid CE, FCC, RoHS compliances, and should have a valid TEC ER Certificate. | 01 No | |
| 02 | Supply, Installation, Testing & Commissioning of TEC ER Certified IP Phones with Caller ID and Display. Screen, Wi-Fi and PoE Enabled, 2 SIP Accounts, 10/100 Mbps Ethernet Ports. Should have valid TEC ER, CE, FCC and RoHS certifications. | 100 Nos | |

## Compliance Table 2

| Sl. No. | Specification | Make & Model | Compliance (Yes/No) |
|---|---|---|---|
| 1 | SITC of SIP PBX exchange based on embedded technology and having capacity of up to 1000 SIP user extension and up to 120 simultaneous call with any software or hardware add on cost. Offered system should be supported with minimum two managed SIP trunk from Indian telco operator including open VPN sip trunk offered by BSNL, also ports to connect with 4 analog trunk lines and inbuilt 12 analog extensions. PBX should support HA ( High availability) Active-Active and Active - Backup redundancy mode if required and must have 4x GIGA ethernet port. | | |
| 2 | **IPPBX System must be equipped with following:** | | |
| a) | It should have provision for 1000 SIP Extensionsand 120 concurrent calls without any hardware add on or modification in CPU. For analog extensions connectivity system should have provision of integrating with TEC ER certified analog FXS/FXO gateways in multiples of 48, 32, 24 and 16 port capacities manufactured by the same OEM of IP PBX. | | |
| b) | The telephony system should have min. 4 GIGA Ethernet ports 10/100/1000 to SIP Trunk, Local Network and VoIP Traffic Management. | | |

| | | | |
|---|---|---|---|
| c) | The system should support DTMF and FXS option for Analog Telephone Instrument. It should have built in Meet Me Conference bridge up to 30 and each Conference room should support 30 participants. System should support Web RTC. | | |
| d) | Browser-based calling and MQTT for 3rd Party Application Integration. | | |
| e) | Telephony system should support 60 simultaneous calls upgradeable to 120 simultaneous calls, min 30 peer to peer Video calls and 50,000 CDR records of incoming /Outgoing calls. | | |
| f) | Telephony system should support basic UC features such as Call Parking, Follow Me, Find Me, Boss Secretary Feature, Call Pick Up, Ring Group, Call Queue, Call Forward, Call Transfer, Call Hold. | | |
| g) | Should offer HA Functionality in built to use whenever required. | | |
| 3 | The OEMshould have ISO 9001:2015 , ISO 14001:2015 , ISO 27001:2022, ISO 45001:2018, ISO/IEC/IEEE 90003:2018 certifications. | | |
| 4 | The product should have valid GTIN/EAN Code. | | |
| 5 | The product should have valid MAC ID authorized by IEEE on the name of Manufacturer /OEM. | | |
| 6 | System should be 19" rack mountable. | | |
| 7 | IPv4 & IPv6 Compatibility | | |
| 8 | The communication system including Operating System, System Software, Media Gateway etc. must be IPv6 complaint and protocols on both IPv4 and IPv6 modes of operation. It should also support protocols such as Static IP, DHCP (server & Client) N2N VPN, Open VPN, ICMP, NAT, DNS, PPPoE, SMTP, ARP, VLAN, NTP, TFTP, SSH, HTTPS | | |
| 9 | Product should have valid MAC ID authorized by IEEE on the name of Manufacturer /OEM. | | |
| 10 | The IP PBX should comply with TEC ER and have valid CE, FCC, RoHS directives and should have a valid TEC ER Certificate. | | |

## Compliance Table 3

Supply, Installation, Testing & Commissioning of TEC (ER)and WPC Certified IP Phones with Caller ID and DisplayScreen, and PoE Enabled, 2 SIP Accounts, 10/100 Mbps Ethernet Ports. Manufacturers from Indiawith MSME and DIPP/DITP certificates will have preference according to the government policy.He Should have valid CE, FCC, and RoHS Certifications.

| Specifications | Make &model | Compliance (Yes/No) |
|---|---|---|
| 128 or more x 64–pixel Graphical LCD | | |
| 2 SIP Accounts | | |

| 2 DSS / BLF Keys |
| --- |
| HD Voice |
| Opus Codec |
| 2 x 10 / 100 Mbps Ethernet Port PoE |
| 2.4Ghz Wi-Fi |
| AP Hot Spot Feature |
| Stand with 2 Adjustable angles. |
| Wall Mountable |
| Phone Book (200 or more Records) |
| XML/LDAP Remote Phonebook |
| 3 Feature Keys: Headset, Mute, Hands-free speaker phone, Transfer, Message, redial |
| 4 Context Sensitive Keys |
| 2 Line keys, Function such as navigation, Call Appearance, feature status |
| Volume Control Keys |
| Power Over Ethernet (IEEE 802.3af) |
| 1 x RJ9 Handset port |
| 1 xRJ9 Headset port |
| DC Power Jack with adapter Codec: G.722, G.711(A/µ) |
| G.729, G.726, G.723 |
| DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO |
| Full Duplex Speakerphone with VAD, CNG, AEC, AJB & AGC |
| Power Consumption 1W (Typical) |
| Operating Temperature: 0°C to 45°C |
| Operating Humidity: 10 ~ 90% |
| The OEM must have ISO 9001:2015 , ISO 14001:2015 , ISO 27001:2022 , ISO 45001:2018 , ISO/IEC/IEEE 90003:2018 certifications. |
| Product should have valid MAC ID authorised by IEEE on the name of Manufacturer /OEM. |
| IP Phones should be same OEM of IP PBX for Better Functionality and Features use. Bidder must Submit (MAF) OEM Authorization Certificate. |
| IP Phones must be TEC (ER) certified, also have valid CE, FCC, and ROHS compliances. |

**Other Criteria**

**Training and Documentation:**

The bidder is to provide detailed documents of the IP-PBX, SIP Phones and other devices.

The bidder shall arrange the training of the buyer's personnel/representative on system operation andmaintenance, including troubleshooting up to equipment level, totheextentthatthepersonnel can fullymaintainthesystem.

The supplier shall provide system training. The commencement, place of training and duration of the trainingshallbe mutually agreed between buyerand the bidder.

## General Terms and Conditions:

### SELLER OBLIGATION:

Supply, Installation, Testing & Commissioning of the IP-PBX system and other products shall be completed within 02 months from the award of the PO/LOA.

Seller's manpower/representatives shall abide by the buyer's working hours, security requirements and other work procedures.

### BUYER OBLIGATION:

Buyer shall provide suitable space for Mounting/Fitting of the IPPBX System and other devices as per BOQ.

Internal wiring/cabling (if needed) to the end points (telephone equipment) shall be made available at the time of installation /commissioning or in the scope of buyer.

Buyer is to provide required work permissions/gate passes to the seller reps.

Dedicated earthing, Input Power through online UPS, Dust free Room, Air Conditions, separation Room for IP PBX.

### Additional Terms and Conditions:

1. OEM Authorization:
   The bidder must be authorized by the Original Equipment Manufacturer (OEM). A bid-specific Manufacturer Authorization Form (MAF) or Authorization Letter must be enclosed in the Technical Bid, printed on the OEM's official letterhead.
2. Technical Compliance Sheet:
   A Technical Compliance Sheet for the IP PBX System, SIP Phone and all other products, as per the tender requirements, must be provided and duly signed by the OEM.
3. Warranty: -
   All supplied items shall carry a minimum warranty of 3 Years on IP PBX and one (1) year on IP Phones, effective from the date of supply.
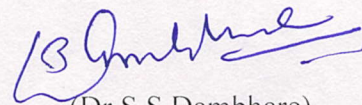4. Proposed Solution & Certification:
   The proposed solution, comprising the IP PBX System, Entry-level IP Phone must be from the same OEM and should be TEC (Telecommunication Engineering Centre) ER certifiedfrom Day One. (A copy of the valid TEC certificate or relevant document must be attached.)
5. Mandatory Document Submission:
   If the bidder fails to submit any of the above-required documents (OEM Authorization, Technical Compliance Sheet, Warranty Declaration, or TEC Certification as per point 4) in the Technical Bid, the bid shall be summarily rejected during technical evaluation.

Yours faithfully

(Dr.S.S.Dambhare)
Principal
Govt. College of Engineering, Aurangabad
Chhatrapati Sambhajinagar