



# The Institution of Engineers (India)

AN ISO 9001 : 2015 CERTIFIED ORGANISATION  
(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)  
8 Gokhale Road, Kolkata-700 020

*A Century of Service to the Nation*

## NOTICE INVITING TENDER

No.T-1864-1

Dated: 10.03.2026

### **Tender for Procurement, Replacement and Commissioning of Cisco Network Switches at IEI-HQ**

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Sealed Tenders in Single Stage two Envelope bid system are invited for **Procurement, Replacement and Commissioning of Cisco Network Switches** at The Institution of Engineers (India), 8 Gokhale Road Kolkata-700020.

The tender document to be downloaded from the website of the Institution ([www.ieindia.org](http://www.ieindia.org)).

**The sealed tenders are to be submitted in prescribed format duly stamped and signed and dated on each page of Tender Document** as their unconditional acceptance to the terms prescribed by the Institution. Details/supporting documents wherever applicable, if attached with the tender should be duly authenticated by the vendor/s. No over-writings shall be accepted unless authenticated with full signature of the vendor/s.

The tender shall be in two parts viz. **Technical Bid – (Envelope – ‘A’)** and **Financial Bid (Envelope ‘B’)** (Envelope ‘A’ and ‘B’ with the content shall be clearly marked on the top of the respective envelopes). **Technical Bid - (Envelope – ‘A’)** shall comprise of compliance documents against Qualification Requirement, **Draft of Rs.5,000/- towards Earnest Money Deposit**, and other documents in support of technical capability. The Technical bid should not contain any financial indication, violation of which will invite disqualification. **Financial bid** shall comprise of quoted price only in the format provided with the tender document in Envelope – ‘B’. Both Envelope – A & B shall be put in a third envelope, sealed and submitted within the prescribed date & time and with signature of the tenderers over it.

The sealed tender duly super scribed, **“Procurement, Replacement and Commissioning of Cisco Network Switches at IEI-HQ”** with Tender No. should be addressed to Deputy Director (IT & Admin), and to be dropped at the tender box of this office within time and date i.e., upto 4.00 PM on **16 Mar 2026**.

Tenders received after the stipulated date and time shall not be entertained. The Institution reserves the right to reject the tender in part or full without giving any reason and any correspondence.

  
Deputy Director (IT & Admin)  
10/3/26

# 1. Background

The Institution of Engineers (India) (IEI) is presently operating:

- One (01) Cisco Layer-3 Core Switch, and
- Ten (10) Cisco Layer-2 Managed Access Switches

These switches have been declared End-of-Life (EoL) and End-of-Support (EoS) by the OEM (Cisco Systems). As a direct consequence:

- OEM security patches, firmware upgrades, and TAC support are no longer available.
- Critical vulnerabilities have been identified during the VAPT audit, exposing IEI's core and access network to cyber security risks.
- The existing infrastructure is non-compliant with ISO/IEC 27001:2022 controls and institutional security requirements.

To mitigate the above risks, IEI proposes to replace the existing switches with new Cisco OEM switches, as per the Cisco configuration (Appendix-I) the authorized partner, ensuring continued technical support from bidder, OEM support, security updates, and enterprise-grade performance.

## 2. Objective of the Work

The objective of this procurement is to:

- Replace all EoL/EoS Cisco switches with OEM-supported model
- Ensure complete migration and reconfiguration of existing network features
- Maintain business continuity with minimal downtime
- Enable ongoing vulnerability mitigation through OEM subscriptions and updates
- Achieve long-term compliance with information security and audit requirements

## 3. Scope of Work (SoW)

The selected bidder shall provide end-to-end services, including supply, installation, configuration, migration, testing, and support during warranty period

### 3.1 Supply of Network Equipment (OEM-Specific)

- The bidder shall supply brand-new Cisco OEM equipment, as per As per Appendix-I
- All equipment must be new, unused, and not nearing EoL/EoS for at least five (5) years from the date of supply.

### 3.2 OEM Licenses, Subscriptions & Support (Mandatory)

The scope shall mandatorily include OEM subscriptions and licenses as recommended in the revised configuration, including but not limited to:

- SNTC-8X5XNBD Catalyst 1300 24-port GE, 4x1G SFP- 11 no's
- SNTC-8X5XNBD Catalyst 9300 24 GE SFP Ports, modular u - 1 no's
- C9300 DNA Advantage, 24-Port Fiber, 3 Year Term License– 1 no's\

**Minimum subscription/warranty/support period:** Three (03) years from date of commissioning , All licenses and support contracts shall be registered in the name of The Institution of Engineers (India).

### **3.3 Reconfiguration & Migration of Existing Network**

The bidder shall be fully responsible for replicating and optimizing the existing network configuration as applicable mentioned below:

- VLAN design and segmentation
- Inter-VLAN routing on L3 switch
- Trunking and access port configuration
- STP / RSTP configuration
- ACLs and basic network security policies
- Port security and MAC controls
- SNMP, Syslog, NTP, management IPs
- Uplink configuration using SFP modules
- Integration with existing firewall, routers, servers, and WAN links

The migration shall be executed in a phased and controlled manner, ensuring:

- No loss of connectivity
- No regression of existing features
- Minimal planned downtime, outside business hours

### **3.4 Installation, Testing & Commissioning**

The bidder shall:

- Rack-mount all switches with proper cable management
- Replace old switches and de-commission EoL equipment
- Perform:
  - Connectivity and throughput testing
  - Redundancy and failover validation
  - Security and stability checks
- Submit:
  - Pre-implementation checklist
  - Post-implementation and commissioning report
- Obtain formal sign-off from IEI IT team

### **3.5 Documentation & Knowledge Transfer**

The bidder shall provide:

- Updated network topology diagram
- Complete configuration backup of all switches
- OEM license and subscription details
- Warranty and support documentation
- Knowledge transfer session for IEI IT personnel

## **4. Support**

- Bidder has to respond with 4 hours of call booking
- Bidder has to depute their Cisco certified technical representative level to provide technical support at the 1<sup>st</sup> level.
- Any technical support from OEM in order to resolve the issue must be coordinated by bidder.
- Bidder has to give onsite support as and when required.
- In case of any switches is non-functional more than 24 hours then bidder has provide stand by switch and necessary configuration for integration with the network to be done by bidder.

- In case any switch is taken outside of IEI by bidder for repair/maintenance, then necessary cost shall be borne by bidder

## 5. Performance Guarantee

- The successful bidder shall furnish a Performance Bank Guarantee (PBG) equivalent to 10% of the total contract value excluding the taxes and shall be realised after expiry of the warranty period without any interest. In case the performance guarantee is not submitted to IEI then the equivalent amount shall be deducted from the bill.
- In case of non-satisfactory performance the same shall be adjusted from the performance guarantee and the decision of IEI shall be final in this regard.

## 6. Terms & Conditions

### 6.1 Warranty

- Tender Specific Authorization has to be submitted by the bidder.
- Minimum 3-year OEM warranty for all supplied hardware.

### 6.2 Delivery & Timeline

- Delivery: within 4–6 weeks from issuance of Purchase Order
- Installation & commissioning: within 15 working days of delivery without effecting the day to day activity

### 6.3 Compliance

- Solution must comply with:
  - ISO/IEC 27001:2022 controls
  - VAPT remediation requirements
  - OEM security hardening best practices

### 6.4 Payment Terms

- Payment shall be released after successful installation, commissioning, and submission of all deliverables.
- No advance payment unless approved by competent authority.

## 7. Eligibility Criteria for Bidders

Only bidders fulfilling all the following shall be eligible:

### 7.1 OEM Authorization

- Must be a Cisco Authorized Partner
- Tender Specific Authorization

### 7.2 Technical Capability

- At least one CCNA/CCNP-certified engineer on payroll
- Demonstrated expertise in Cisco Catalyst enterprise switching

### 7.3 Experience

- Minimum 5 years experience in network infrastructure projects
- At least three (3) similar Cisco switch deployments in Government / PSU / large institutional environments

#### **7.4 Support Capability**

- Ability to provide on-site and remote support
- Proven experience in coordination with Cisco TAC

#### **7.5 Statutory Compliance**

- Valid GST, PAN
- Not blacklisted by any Government / PSU / Autonomous body

### **8. Conclusion**

This Scope of Work and associated conditions have been framed in line with the revised Cisco OEM configuration to ensure that:

- All VAPT-identified vulnerabilities are effectively mitigated
- IEI's network remains secure, scalable, and OEM-supported
- Procurement is technically precise, audit-ready, and future-proof
- Only qualified, OEM-authorized, and technically competent bidders participate

**Signature of the bidder with date and seal**

*Company name :*

*Address :*

*Phone No. :*

*E-mail :*

**Appendix-I**

Description	Service Duration (Months)	Qty
Catalyst 1300 24-port GE, 4x1G SFP	---	10
SNTC-8X5XNBD Catalyst 1300 24-port GE, 4x1G SFP	12	10
10A Power cable for India	---	10
Catalyst 9300 24 GE SFP Ports, modular uplink Switch	---	1
SNTC-8X5XNBD Catalyst 9300 24 GE SFP Ports, modular u	12	1
C9300 DNA Advantage, 24-port Fiber Term Licenses	---	1
C9300 DNA Advantage, 24-Port Fiber, 3 Year Term License	36	1
Cisco ThousandEyes Enterprise Agent IBN Embedded	---	1
ThousandEyes - Enterprise Agents	36	1
C9300 Network Advantage, 24-port license	---	1
CAT9300/9400/9500/9600 UNIVERSAL	---	1
715W AC 80+ platinum Config 1 Power Supply	---	1
350W AC 80+ platinum Config 1 Secondary Power Supply	---	1
India AC Type A Power Cable	---	2
No Network Module Selected	---	1
No Stack Cable Selected	---	1
No Stack Power Cable Selected	---	1
No SSD Card Selected	---	1
Cisco Catalyst Type 1 Network Module Blank	---	1

**Signature of the bidder with date and seal**

Description	Service Duration (Months)	Qty
TE agent for IOSXE on C9K	---	1
RUBBER FEET FOR TABLE TOP SETUP 9200 and 93xx	---	1
12-24 and 10-32 SCREWS FOR RACK INSTALLATION, QTY 4	---	1
1RU CABLE MANAGEMENT GUIDES 9200 and 9300	---	1
Cisco DNA Spaces Extend Term License for Catalyst Switches	---	1
Cisco DNA Spaces Extend for Catalyst Switching - 3Year	36	1
Network Plug-n-Play Connect for zero-touch device deployment	---	1
CISCO Module	---	24

**\* Switch should support minimum 1 Gbps bandwidth.**

**Signature of the bidder with date and seal**