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Tender for the work of Supply, Installation, Testing and Commissioning for the Upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority

TENDER NO. FIN/EDP/NW Upgradation/2026 Dated: 16.11.2026

SUBMITTED BY : .....

.....

.....

TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026

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COCHIN PORT AUTHORITY

SECTION - 1

TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026

Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority

NOTICE INVITING TENDER

Tenders are invited through e-Portal www.tenderwizard.com/COPT in Two Cover bidding procedure (Technical Bid and Financial Bid), by the Financial Adviser & Chief Accounts Officer, Cochin Port Authority, Willingdon Island, Cochin, 682009, from reputed firms meeting the Minimum Qualification Criteria specified below for **"Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority".** Bidders, desirous to participate in the Tender are requested to submit their tenders through the above mentioned portal.

Tender documents with detailed scope of work and terms and conditions can be downloaded from the e-Tendering portal www.tenderwizard.com/COPT from 16.11.2026 to 15.12.2026.

Tender documents are also available for information in Cochin Port website https://cochinport.gov.in as well as govt. tender website www.eprocure.gov.in.

The Bidders need to obtain one time User ID & password for log-in to e-Tendering portal www.tenderwizard.com/COPT from the service provider KEONICS, by paying registration amount of Rs.1180/- through online Payment using Credit/Debit Card/Net banking or DD in favour of "KSEDCL, Bangalore". The details of e-tender facilitator is available through Telephone Nos. 080 49352000/ 09605557738.

The Bids shall be submitted "online" strictly in accordance with the Instructions to Bidders and Terms & Conditions given in the bid document. The bidders should submit scanned copy of all the required documents such as DD / Bankers Cheque/ Pay Order/UTR of Bank transfer and Insurance Surety Bonds towards the EMD, other details required as per tender document etc. through the e-tendering portal.

The bidder must have valid Class-II or III Digital Signature Certificate to submit the bid. For further details and to obtain the Digital Signature please contact e-Tender Help Desk No. 080 – 40482000 / 9746118529.

1. Tender Particulars

The following are the Details of Tender and Schedule for important dates and timelines of this Tender. If any change of the dates prior to the tender closing date, these changes will be published as an Addendum to this Tender and posted on the above mentioned websites.

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TENDER NO.	NIT NO.:FIN/EDP/NW Upgradation/2026 Dated 16.11.2026
Name of the Work	"Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority"
Estimated cost	Rs. 6,45,57,000/- (Excl. GST) (Rupees Six Crore Forty-Five Lakh Fifty Seven Thousand Only)
Earnest Money Deposit	Rs.12,91,140/- (Rupees Twelve lakh ninety one thousand one hundred and forty rupees only
Date of Tender Document available to parties to download	16.11.2026 10.00 Hrs
Date of Starting of e-Tender for submission of Bid on line at www.tenderwizard.com/COPT	16.11.2026 10.00 Hrs
Date of Site Visit	20.11.2026 11.00 Hrs
Date & Time of pre-bid meeting if any	24.11.2026 11.00 Hrs.
Date of submission of queries	24.11.2026
Date of closing of e-Tender for submission of Bid.	15.12.2026 14.00 Hrs
Date & Time of opening of Technical Bids	15.12.2026 15.00 Hrs
Date & Time of opening of Price Bid	Will be communicated separately to the qualified Bidders
Completion Period	14 Weeks from the date of Work Order
Validity of Tender	120 days from the date of opening of Tender(Technical Bids)

2. Scope of the work :

The work shall comprise the supply, installation, configuration, migration, integration, testing and commissioning of ;

I. Core Switches, Distribution Switches & Access Switches including SFP modules with required licences.
II. Next Gen. Firewalls (Hardware) with required licenses.
III. Antivirus/Endpoint Security solution for centralized management of 500 users Licences (On-Prem Solution) with Server having Windows Server 2025 Professional.
IV. Network Monitoring and Management System (NMS) (On-Prem Solution along with required licences) with Server having required operating system with licences.
V. Upgradation and Migration of Active Directory services setup (On-Prem Solution) with Server having OS Windows Server 2025 with CAL (600).
VI. Network racks with mounting hardware, patch cords and interconnection accessories.
VII. 5 Year OEM Warranty for all active components & Software.

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3. The Minimum Qualifying Criteria (MQC).

Minimum Qualifying Criteria (MQC) of "**Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority"** and the documentary proof for participating in the tender is given below:

Minimum Qualifying Criteria (MQC) of Tender		
Sl. No	**Criteria**	****Documentary Evidences to be submitted as proof for the respective criteria**
1	Legal Entity: Bidder should be IT/ITES firm registered under companies act 1956/2013 in India for the last seven years as on 31.10.2026	1. Self Declaration 2. Copy of certificate of incorporation including the applicable services. 3. Copy of the valid GST registration certificate.
2	Local Presence: The Bidder should have officein Kerala.	**1. ANNEXURE -I** 2. The address of the office in Kerala shall be furnished.
3	Financial Turnover: The bidder should have a minimum annual turnover of Rs.194 Lakhs for the last three financial years 2024-25, 2023-24 & 2022-23	**1. ANNEXURE -II** 2. Documentary evidence such as balance sheet / profit and loss statement for the years, 2024-25, 2023-24 & 2022-23 duly certified by Chartered Accountant with their UDIN (Unique Document Identification Number) shall be furnished.
4	The bidder should have successfully completed atleast/either i) one *similar work with a cost of not less than Rs.516 Lakhs or ii) two *similar works with a cost of not less than Rs.323 Lakhs each or iii) three *similar works with a cost of not less than Rs. 258 Lakhs each *Similar work(s) means Supply, installation, configuration & Commissioning of Core network Components viz., Firewalls (Hardware), Core Switches including L3 switches in India for a client during the last Seven years ending last day of the month previous to the one in which this tender is invited.	1. CA Certificate in **ANNEXURE -III,** 2. Copy of the PO/WO 3. Client Certificate/s for the successful completion of the work.
5	**Experience in Govt./Public Sector:** The bidder should have successfully provided Supply, installation, configuration & Commissioning of Core	1. **ANNEXURE - IV** for each contract satisfying the criteria. 2. Copy of the PO/WO

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	network Components viz., Firewalls, Core Switches including L3 switches at least in Government / Public Sector/ Scheduled Banks in India for at least one client during the last Five years ending last day of the month previous to the one in which this tender is invited.	3. Client Certificate/s from the client for the successful completion of work.
6	**Experience in NMS**: The bidder should have Installed & configured NMS for at least one client during the last Five years last day of the month previous to the one in which this tender is invited.	1. **ANNEXURE -IV** for each client/contract. 2. Copy of the PO/WO 3. Client Certificate for the successful completion of contract.
7	**Experience in Antivirus/Endpoint Security solution**: The bidder should have Installed & configured Antivirus/Endpoint Security solution for at least one client during the last Five years last day of the month previous to the one in which this tender is invited.	1. **ANNEXURE -IV** for each client/contract. 2. Copy of the PO/WO 3. Client Certificate for the successful completion of contract.
8	**Experience in SITC of Active Directory Server & Services**. The bidder should have Installed/configured Active Directory Server & Services for at least one client during the last Five years last day of the month previous to the one in which this tender is invited.	1. **ANNEXURE-IV** for each client/contract. 2. Copy of the PO/WO 3. Client Certificate for the successful completion of contract.
9	OEM Authorisation: The Bidder should have OEM Authorization for implementation and support of the offered active components and NMS software for this tender.	1. **ANNEXURE -V** 2. Copy of the valid MAF certificate for the offered products.
10	**Certification**: 1. ISO/IEC27001:2022 2. ISO/IEC 20000-1:2018	Copy of the valid Certificates

**The documentary evidence submitted by the bidders as proof shall meet the respective criteria in all aspects.

2.1 Details of experience as per Annexure-III & IV and Certificates in proof of experience.

Explanatory Notes:

a) Copy of Client Certificate for the successful completion of contract of each Work issued by the competent authority for the Work order submitted as per MQC. The Certificate shall invariably contain the following among other things.

(i) Details of Work involved specifying the nature of Work
(ii) The contract value of the Work
(iii) Date of commencement ; and
(iv) Actual and Scheduled Date of completion of the Work.

b) If the experience in Similar Works is as a member of Joint Venture, copy of Joint Venture Agreement in this respect shall be attached.

c) If the experience in Similar Works is as a Sub Contractor, copy(s) of approval issued by the Original Employer(s)/ Owner authorizing as a Sub-Contractor; in proof of the claim of the Bidder as a Sub-Contractor shall be attached.

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d) The Works indicated in Annexure-III & IV will only be considered for evaluation. Mere submission of Work Completion Certificate will not be considered as Eligible Assignments

2.2 Contract value for the assignments considered for qualification of MQC shall be excluding GST.

2.3 The bidders who have successfully completed at least one year of ongoing contracts for similar works as on the last day of the month previous to the one in which tenders are invited and the value of the completed portion of the contract is meeting the criteria specified under MQC 4 above, shall also be considered based on documentary proof issued by the clients

2.4 In order to evaluate the tender, the value of executed works shall be brought to the current costing level by enhancing the actual value of the assignment upon completion, by using the following enhancement factors.

Works executed Year before	Multiplying factor
One year [September2026]	1.07
Two years [September2026]	1.14
Three years [September2026]	1.21
Four years [September2026]	1.28
Five years [September2026]	1.35
Six years [September2026]	1.42

2.5 The respective annexures and supporting documentary evidences have to be submitted by the bidder with clear indication of the respective MQC clause, Technical compliances and Technical evaluation clause.

4. Earnest Money Deposit (EMD):-

i) Earnest Money Deposit of Rs.12,91,140/-. has to be remitted in the form of the Banker's Cheque (BC) or DD issued by Nationalized / Scheduled banks drawn in favour of FA & CAO, Cochin Port Authority, payable at Cochin. The bidders can also submit EMD in the form of Bank Guarantee as per ANNEXURE -XII or Insurance Surety Bonds etc. shall reach the office of FA & CAO, CoPA within 5 working days of opening of the Tender.

ii) The Bidders can remit the EMD to Cochin Port Authority through online bank transfer. The Account Details for the same is given below:

Name of Bank : State Bank of India
Name of Branch : Cochin Port Trust Branch
IFSC Code : SBIN0006367
Account No. : 41401802288
Account Holder's Name : Cochin Port Authority

5. Exemption from the payment of EMD shall be given to Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organization or the

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concerned Ministry or Department as provided in GFR 2017.

6. The Bidders shall furnish a copy of the NSIC / MSME / UAM certificates for the exemption of EMD along with the Technical bid.

7. The bidder shall upload the scanned copy of instruments towards the cost of EMD through e-tender portal www.tenderwizard.com/COPT along with the technical bid. In the case of MSEs, copy of MSME / NSIC / UAM Registration certificate shall be uploaded along with the tender. Non submission of above documents will make the tender liable for rejection.

8. The bidder has to download Addendums/ Amendments/ Errata/ Replies to the queries of the bidder etc., if any, issued by the Employer, from the website before submission of the bid.

9. The undersigned reserves the right to reject / cancel / postpone / annul the tenders at any stage of the tender, which will be binding on all bidders.

10. This tender notice shall form part of the tender document and are to be signed and uploaded along with the technical bid.

11. Address for communication: The Senior Deputy Director (EDP), 5th Floor, New Administration Building, Cochin Port Authority, Cochin – 682009. Phone: +91 484 2582602, 2582643. E-mail: directoredp@cochinport.gov.in

12. Independent External Monitor: The Employer has appointed the following panel of Independent External Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission:

    (i) Shri. Harishwar Dayal, IDSE (Rtd.), H-2, Lawyer Colony, Bypass Road, Agra-282005 (UP), Mobile No:9412095786 Email ID: dayalagra@gmail.com.

    (ii) Shri. Deepak Chaturvedi, ITS (Retd), Flat No.1, Sanchar Vihar, C-58/4, Sector-62,(UP),Noida-201301, Mobile No:9930408711,Email ID : chaturvedideep@rediffmail.com

13. The task of the Monitor shall be to review independently and objectively, whether and to what extent the Parties comply with the obligations under this Integrity Pact. The Monitor shall not be subject to instructions by the representatives of the Parties and perform their functions neutrally and independently. Both the parties accept that the Monitor have the right to access all the documents relating to the Project/Bidding, including minutes of meetings. As soon as the Monitor notices or has reason to believe that a violation of this Pact has occurred, he will so inform the Authority designated by the Employer. The Bidder accepts that the Monitor has the right to access without restriction to all Project documentation of the Employer, including that provided by the Bidder. The Bidder will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his Project documentation. The same is applicable to Subcontractors. The Monitor shall be under Contractual obligation to treat the information and documents of the Bidder /Subcontractor(s) with confidentiality. The Employer, will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such

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meetings could have an impact on the Contractual relations between the parties. The Parties will offer to the Monitor, the option to participate in such meetings to him by the Employer / Bidder and, should the occasion arise, submit proposals for correcting problematic situations. The Monitor will submit a written report to the designated Authority of Employer within 8 to 14 weeks from the date of reference or intimation. A person signing the IP shall not approach the Courts while representing the matters to IEMs and he/ she will await their decision in the matter. In case of sub-contracting, the Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor. It is to be ensured that all sub-contractors also sign the IP.

14. List of Mandatory documents to be furnished along with the tender to prove the Minimum Qualifying Criteria (Non-submission, incomplete submission or submission of incorrect documents/information, wherever applicable, shall result in rejection of the bid without further correspondence);-

(i) EMD for the amount mentioned in NIT for Non MSME firms. The original document of remittance of EMD like Account Payee Demand Draft/Banker's Cheque/Bank Guarantee/ Insurance Surety Bonds etc shall reach the office of FA & CAO, CoPA within 5 working days of opening of the Tender.

(ii) For MSME firms,
   a) If MSME status is Micro/small for 3 years then firms shall submit their MSME status for 3 years.
   b) If MSME status is Medium, firms shall submit MSME status for 6 years

.

(iii) Annual Financial Turnover during the last three financial years ending *31-03-2025* (viz. 2022-23, 2023-24, & 2024-25.) should be furnished as per ANNEXURE -II duly certified by chartered accountant with their UDIN (Unique Document Identification Number) with QR code if available shall be uploaded along with the bid.

(iv) Audited Annual Balance sheet including Profit & Loss Account Statements for the above period

(v) Purchase Order/Work Orders and Satisfactory Completion Certificate issued by the Client in support of executed contracts as proof clearly mentioning the work order value for work executed as per similar works and contract period. Details of such contracts shall be furnished as per ANNEXURE -III & IV

(vi) The experience certificate of Works executed in private sectors / organizations shall be considered for qualification, only on submission of Form 26AS as per TRACES Site along with documents as cited at (v) above.

(vii) Power of Attorney (POA) (as per Sl.No.2.2 of ITB) if applicable, shall be submitted in a revenue stamp duty paper of value not less than Rs.100 as per format in **ANNEXURE-IX**, POA shall be issued by the company representative holding the general POA and the executants derives authority from:

- Board Resolution; or
- Articles of Association; or
- Any other constitutional document of the company.

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POA shall be signed by the POA holders and the issuing authority both.

(viii) Integrity Pact as per ANNEXURE -XV
(ix) Letter of Submission as per ANNEXURE – VIII
(x) Technical Compliance sheet as per Annexure-XXI

15. Other Qualifying Considerations

Even though the Bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

(i) Made misleading or false / fake representations in the forms, statements and attachments submitted in proof of the qualifying requirements;

(ii) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, barred by the Central / State Government or organizations under them, from participating in any project or financial failures etc.

(iii) blacklisted / debarred by State or Central Govt. Organizations / PSU/ PSE / Govt. Depts for breach of any applicable laws or violation of regulations or breach of contractual agreement or rendering unsatisfactory services during the last 3 (Three) years. (Self-declaration to be submitted by the bidder along with their bid as per ANNEXURE – XIX

(iv) The Bidders should not have EPF and ESI registration

Amendments to the tender (if any) will be issued only through web site www.cochinport.gov.in, CPP Portal www.eprocure.gov.in and on e-Tendering portal www.tenderwizard.com/COPT.

Sd/-
FINANCIAL ADVISOR &
CHIEF ACCOUNTS OFFICER
COCHIN PORT AUTHORITY

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SECTION 2

Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority

TENDER NO. FIN/EDP/NW UPGRADATION/2026 DATED 16.11.2026

INSTRUCTION TO THE BIDDERS (ITB)

The tender document can be downloaded from the e-tendering portal www.tenderwizard.com/COPT from 16.11.2026 to 15.12.2026.

2.1 The tender documents are also available in Port's website https://cochinport.gov.in or Government of India (GOI) tender portal www.eprocure.gov.in. The bidders need to obtain the one time User ID & password for logging in to the e-Tendering portal www.tenderwizard.com/COPT from the service provider KEONICS by paying registration amount of Rs.1,180/- through online Payment using Credit/Debit Card/Net banking or DD in favour of "KSEDCL, Bangalore". The details of e-tender facilitator is available through Telephone Nos. 080 49352000/ 09605557738

2.2 The tender shall be submitted by a Firm existing in India incorporated under the Companies Act. The name and address of the Bidder shall be entered in the space provided in 'Price Bid'. The tender shall be signed by a duly authorised person for whom Power of attorney shall be submitted along with the tender. Copy of the Memorandum and the Articles of Association of the Company shall also be submitted. **Joint Venture/Consortium is not allowed.**

2.3 The tenders shall be submitted "online" strictly in accordance with the additional Instructions to Bidders and Terms & Conditions given in the tender document. The bidders shall submit scanned copy of (i)Banker'sCheque or (ii) Account Payee Demand Draft or (iii)payment through online or (iv)Bank Guarantee from any of the Commercial Banks or (v)Fixed Deposit Receipt(vi) NEFT Receipt or (vi) Insurance Surety Bonds along with e-tenders. Price bids should be submitted in online mode only. Tenders of those who have not submitted the original documents as above will not be considered for further evaluation.

2.4 The intending bidder must have valid Class-II or III digital signature certificate to submit the bid. For further details, please contact to e-Tender Help Desk No. 080 – 40482000 / 9746118529.

2.5 Earnest Money Deposit (EMD)

a. Each tender should be accompanied by an Earnest Money Deposit amounting to Rs.12,91,140/-.

b. Scanned copy of instruments towards the cost of EMD shall be uploaded along with the technical bid document and bidder shall ensure that original shall reach the office of FA & CAO, CoPA within 5 working days of opening of the Tender document 'OR' exemption certificate as per clause 2.5(c) of ITB. Failure in submission of EMD will render the Bidders disqualified, except in the case as per clause No. 2.5(c) below.

c. The tenders submitted without EMD will be considered as nonresponsive and hence liable for rejection. In the case of MSEs, copy of MSME / NSIC / UAM Registration certificate shall be

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uploaded along with the tender.

d. The Earnest Money Deposit of unsuccessful Bidders shall be returned after award of contract to the successful Bidder.

e. The EMD of successful Bidder will be refunded on submission of Bank guarantee for performance security (in ANNEXURE–XII) as per the tender clause and executing the agreement (in ANNEXURE -XIII) as per tender clause.

f. No interest will be allowed on the Earnest Money Deposit from the date of its receipt until it is so refunded.

g. The EMD shall be forfeited:

i. In the event of the Bidder withdrawing/modifying his tender before the expiry of tender validity of 120 days from the date of submission.

OR

ii. Failing to enter into an agreement with the CoPA upon award of contract as required in the tender,

OR

iii. Fails to furnish the necessary bank guarantee towards performance within 21 days of receipt of Work order, the tender shall liable to be cancelled and EMD shall be forfeited.

2.6 The right of acceptance of tender will rest with Cochin Port Authority Board who does not bind themselves to accept the lowest tender and reserves to themselves the authority to reject any or all of the tenders received without assigning any reason.

2.7 The Bidder is advised to visit and examine the site of work and its surroundings, discuss with connected agencies and collect all necessary information on his own responsibility for preparing the tender.

2.8 The Bidder is expected to examine the tender documents including all conditions, specifications, forms etc and also conditions in the GCC. Failure to furnish the information required in the tender documents/GCC or submission of a tender not conforming to the requirements in every respect, is likely to result in the rejection of the tender.

2.9 **AMENDMENT OF TENDER DOCUMENT:**

a) At any time prior to the deadline for the submission of Tenders, Cochin Port, for any reason, whether at his own initiative or in response to tender, may modify the Tender document by an amendment.

b) The amendment in the form of addendum will be published in https://cochinport.gov.in, www.tenderwizard.com/COPT, www.eprocure.gov.in.

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c) All the bidders who have downloaded the tender document shall verify if any such amendment/ modifications has been issued before submitting their bid and shall take cognizance of and include such amendment(s) in their submission. In any case the amendment(s)/ modification(s) if any, shall be binding on the bidder. No separate notice/intimation of amendments/ modifications will be sent to those who have downloaded the document from the web.

d) CoPA may at its discretion extend deadline for the submission of Tenders to enable prospective Bidders to take the amendment into account while preparing the Tender.

e) Queries and clarifications if any shall reach the Sr.Dy.Director (EDP) by e-mail to directoredp@cochinport.gov.in on or before stipulated time mentioned in the tender schedule. The reply/clarification will be published in https://cochinport.gov.in, www.tenderwizard.com/COPT, www.eprocure.gov.in.

2.10 **OPENING OF TENDERS**

Technical bid of the e-Tenders will be opened at 15.00 hrs. on 16.11.2026 in the office of the FA & CAO in the presence of the Bidders or their representatives as may be present. The uploaded scanned copy of the instrument submitted towards EMD will be verified.

2.11 **EVALUATION AND COMPARISON OF TENDERS:**

The tenders of the bidders who have submitted Letter of Authority, Letter of Submission, EMD, Power of Attorney Pre-Contract Integrity Pact and other documents in order and opened on the due date will be considered for preliminary evaluation as per the MQC.

i. Preliminary Evaluation:

The bids qualified as per MQC will be evaluated further.

The bidder shall submit details of earlier installations in ANNEXURE–I,II,III,IV & V with enclosures as per the requirements in the MQC.

ii. Technical Evaluation:

The technical proposal inter alia, would be checked for the overall completeness of documents and compliance with the required item specification.

The items offered by the bidder as per the item specification shall be checked for compliance. The bidder has to submit the compliance along with the bid without fail. The bids that meet the technical compliance **only be considered for further evaluation**.

QCBS EVALUATION, BID FORMS &PRESENTATION

The bidder shall submit sufficient documents as per Annexure XXII as documentary evidence that meet respective criterion for the technical evaluation. The respective annexures and supporting documentary evidences have to be submitted with clear indication (even though submitted as part of MQC) against the respective clause

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Technical Evaluation - Max. - 70 Marks Min. Marks -

Sl. No	Criterion	Max. Marks	Scoring Basis	Documents to be submitted
1	Experience:SITC of L2 & L3 Switches + Firewalls (Hardware)at a minimum cost of Rs. 1.15 Crduring the last 3 financial years (FY 2023–24, FY 2024–25, FY 2025–26)	15	5 marks per qualifying client; maximum 3 Work Orders with a minimum of Rs. 1.15 Cr in each WO for the switches and firewalls. The value towards the L2 & L3 switches + Firewall of a contract will be considered for scoring.	1. Copy of the PO/WO 2. Client Certificate/s for the successful completion of the work.
2	Experience: SITC of Network Monitoring Software – during the last 3 financial years (FY 2023–24, FY 2024–25, FY 2025–26)	5	2.5 marks per qualifying customer; maximum 2Work Order	1. Copy of the PO/WO 2. Client Certificate/s for the successful completion of the work.
3	Experience: SITC of Active Directory Services – during the last 3 financial years (FY 2023–24, FY 2024–25, FY 2025–26)	5	2.5 marks per qualifying customer; maximum 2 Work Order	1. Copy of the PO/WO 2. Client Certificate/s for the successful completion of the work.
4	Experience: SITC of Antivirus Solution – during the last 3 financial years (FY 2023–24, FY 2024–25, FY 2025–26)	5	2.5 marks per qualifying customer; maximum 2Work Order	1. Copy of the PO/WO 2. Client Certificate/s for the successful completion of the work.
5	Gartner Magic Quadrant – Enterprise Wired & Wireless LAN Infrastructure 2026	5	Visionary: 1 mark; Challenger: 2 marks; Leader: 5 marks	Copy of the relevant Gartner report
6	Gartner Magic Quadrant – Hybrid Mesh Firewall 2026	5	Visionary: 1 mark; Challenger: 2 marks; Leader: 5 marks	
7	Gartner Magic Quadrant – End Point Protection 2026	5	Visionary: 1 mark; Challenger: 2 marks; Leader: 5 marks	
8	Quality Certifications	5	ISO/IEC 27001:2022 + ISO/IEC 20000-1:2018 + SOC 2 Type II: All 3 = 5 marks; any 2 = 2 marks	Copy of the valid Certificates.
9	Technical Presentation	20	Understanding, architecture, implementation, resources, support, and value proposition	Relevant documents.

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Technical Presentation - 20 Marks

Criterion	Max. Marks
Understanding of CoPA requirements	4
Proposed solution architecture and Implementation & migration approach	8
Project management & certified implementation resources profile	4
Operations, support & value proposition	4

The bidders who score 70% (49 marks) or more will be considered for further evaluation viz., Opening of price bids.

iii. Price Bid Evaluation:

The bids which are responsive as per i & ii above will be considered for opening of the price bids.

iv. Financial Evaluation

Price Score = (Lowest Evaluated Price/Bidder's Evaluated Price) × 50
Technical Contribution = (Bidder Technical Score/Highest Technical Score) × 50

Final Evaluated Score = Technical Contribution+Price Score. The bidder with the highest final score shall be ranked first, subject to approval and final RFP conditions.

2.12 **VALIDITY OF TENDER:**

The tender shall remain valid and open for acceptance for a period of 120 days from the date of submission as per the schedule or extended if any. CoPA reserves the right to extend the period of validity for a specific period without modifying the tender. The Bidder have an option to refuse the request without forfeiting their EMD.

Should any Bidder withdraw his tender before these periods, or make any modification in the terms and conditions of the tender which are not acceptable to the department, the earnest money deposited by the Bidder shall be forfeited.

2.13 **ACCEPTANCE OF TENDER:**

The CoPA does not bind itself to accept the lowest or any tender and reserves the right to accept any tender in part or to reject any tender or all tenders without assigning any reasons whatsoever.

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2.14.1 Dispute Resolution

2.14.1.1 The Parties agree to use their best efforts for amicably resolving all Disputes arising under or in respect of this Agreement by mutual discussions.

2.14.1.2 Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, design, drawings and instructions here-in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:-

a) If the Contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by the Engineer-in-charge on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 15 days request the Engineer in writing for written instruction or decision. Thereupon, the Engineer shall give his written instructions or decision within 30 days of receipt of the Contractor's letter.

b) If the Engineer fails to give his instructions or decision in writing within the aforesaid period or if the Contractor is dissatisfied with the instructions or decision of the Engineer, the Contractor may, within 15 days of the receipt of Engineer's decision, appeal to the Chairperson who shall afford an opportunity to the Contractor to be heard, if the latter so desires, and to offer evidence in support of his appeal. The Chairperson shall give his decision within 30 days of receipt of Contractor's appeal.

c) If the Contractor is dissatisfied with this decision, the Contractor shall within a period of 30 days from receipt of the said decision, shall take further action in accordance with the conciliation procedure set forth in Clause 2.14.2.

2.14.2 Conciliation

In the event of any dispute or differences between the parties which could not be resolved amicably, the Chairperson of Cochin Port Authority may refer such unresolved disputes or differences to a Conciliation Committee comprising of independent subject experts, set up by the Port Authority to enable speedy disposal of pending / new cases. The conciliation proceedings shall be subject to guidelines in this regard, issued by the Port Authority from time to time. Recourse to such Conciliation shall also be open before, during or after the arbitration or litigation proceedings. The award of the Conciliation Committee, if agreed by both the Parties, shall then be placed for consideration of the Board of the Port Authority subject to the Delegation of Powers.

2.14.3 Arbitration

a) Any disputes of a total value less than Rs. 10 crores shall be resolved through arbitration by a Sole Arbitrator appointed by mutual consent of the parties.
b) Either party shall within a period of 30 days from the date of termination of conciliation

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proceedings, give notice to other party for appointment of arbitrator.

c) If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed jointly by both parties. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

d) It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the rejection by the Chairperson of the appeal.

e) It is also a term of this contract that if the Contractor does not make any demand for appointment of arbitrator in respect of any claims in writing as aforesaid within 120 days of receiving the intimation from the Engineer that the final bill is ready for payment, any claim of the Contractor shall be deemed to have been abandoned and absolutely barred and the Employer or his authorized representative shall be discharged and released of all liabilities under the contract in respect of these claims.

f) The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modifications or reenactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

g) It is also a term of this contract that the Arbitrator / Arbitral Tribunal shall adjudicate only on such disputes as are referred to him and give separate award against each dispute and claim referred to.

h) It is also a term of the contract that if any fees are payable to the arbitrator the same shall be paid equally by both the parties.

i) It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he / they issues notice to both the parties calling them to submit their statement ofclaims and counter statement of claims.

j) The seat and venue of the arbitration shall be at Cochin.

k) The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any party by whom and in what manner, such costs or any part thereof shall be paid.

2.14 **LANGUAGE OF THE TENDER:**

The tender submitted by the Bidder and all correspondence and documents relating to the tender exchanged by the Bidder and the Employer shall be written in ENGLISH LANGUAGE. Any printed literature, other than in English language shall be accompanied by an English translation, in which case for purpose of interpretation of the tender, the English translation shall govern.

2.15 **Bidders are advised to visit the work site before submitting their offers in order to make themselves fully aware of the work conditions**. Cochin Port Authority will not be responsible for any cost or expenses incurred by the bidder in connection with the preparation or delivery of the bids including cost and expenses related to visits to the sites.

2.16 The bidders are advised to visit and inspect the work site before submitting their bids so as to familiarize themselves with the site conditions, scope of work, accessibility, and all other factors that may affect the execution of the work. Submission of a bid shall be deemed to indicate that the bidder has fully satisfied themselves regarding the site conditions and all associated risks and costs.

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2.17 No claim for additional payment, compensation, or extension of time arising out of the bidder's failure to inspect the site or assess the prevailing conditions shall be entertained. The Employer shall not be responsible for any additional cost or loss incurred by the successful bidder due to inadequate site inspection or quoting the lowest price without considering the actual site conditions.

2.18 Canvassing in connection with the tender is strictly prohibited and tenders submitted by the contractors who resort to canvassing will be liable to rejection.

2.19 The tenders containing uncalled remarks or any additional conditions are liable to summary rejection.

2.20 The contractor shall be registered under EPF and ESI Act and shall furnish a copy of the Registration certificates. The contractors shall regularly remit the employer and employee contribution to the authorities. If not, the Department would remit the same and the amount so remitted shall be deducted from the contractor's bills.

2.21 Disputes if any, shall be under the jurisdiction of courts in Cochin limits only.

2.22 The Bidder is expected to examine the tender documents including all conditions, specifications, forms etc and also conditions in the G.C.C. Failure to furnish the information required in the tender documents/G.C.C. or submission of a tender not conforming to the requirements in every respect, is likely to result in the rejection of the tender.

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SECTION - 3

Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority

TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026
GENERAL CONDITIONS OF CONTRACT (GCC)

3.1. DEFINITIONS: In the Contract (as hereinafter defined) the definition of the following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires:

a) **"Employer"** or **"CoPA"** or **"Purchaser"** means Board of Trustees of Cochin Port, a body corporate under the Major Port Authorities Act 2021, by notification issued by the Government of India, acting through its Chairman, Dy. Chairman or FA & CAO or any other officers so nominated by the Board.

b) "Contractor" means the person or persons, firm, corporation or company whose tender has been accepted by the Employer and includes the Contractor's servants, agents and workers, personal representatives, successors and permitted assigns.

c) "Contract" means and includes Tender Documents, Instructions to Bidders, General Conditions of Contract, Drawings, Specifications, and Schedules etc., any amendments thereto, Bid, Letter of Acceptance and the Contract Agreement.

d) "Contract Price" means the total sum of money to be paid by the employer to the contractor on timely completion of the contract work as per Contract including payment for extra work, i.e. as per defined and applicable items of the terms of payment, including any taxes and excise duties to be paid to state or central Government.

e) "End user" means the entity who has procured, installed and uses the installation for its intended purpose.

f) "Specifications" means the specification referred to in the tender documents and any modifications thereof or additions thereto or amendments thereto as may be from time to time be furnished or approved in writing by the Employer.

g) "FA & CAO" shall mean the FA & CAO of Cochin Port Authority and includes any officer who is authorized on his behalf for the purpose of this contract.

h) "Work" or "Works" shall mean the whole of the plant and materials to be provided and work to be done, executed or carried out by the contractor under the Contract.

i) The "Site" shall mean the whole of the premises, buildings and grounds in or upon which the system or Works is or are to be provided, executed, erected, done or carried out.

j) The "Schedule" shall mean the schedule or schedules attached to the specifications.

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k) The "Drawings" shall mean the drawings, issued with the specification which will ordinarily be identified by being signed by the FA & CAO and any further drawing submitted by the contractor with his tender and duly signed by him and accepted or approved by the FA & CAO and all other drawings supplied or furnished by the contractors or by the FA & CAO in accordance with these contract conditions.

l) “Trials" and "Tests" shall mean such trials and tests as are provided for in these conditions of contract and described in the specification and shall include all other tests to be carried out as per the requirement of the ‘employer’.

m) "Approved" or "Approval" shall mean approval in writing

n) "Month" shall mean English Calendar Month.

The specification given is only intended to cover the principal requirements and is not to be taken as complete in details. The system should be complete in all respect as per Port’s requirements and to be commissioned to the entire satisfaction of the Project Manager. The Project Manager for this project shall be the Sr. Dy. Director(EDP) or his authorised representative.

The contractor should submit the price bid as per attached Price Schedule. The rates quoted should be firm without any price variation clauses. Income tax at the prevailing rate on the gross amount billed will be deducted from the contractor’s running bills.

Before submitting a tender the contractor should get himself acquainted with the nature and extent of the work. The contractor’s tender rate should take into account all factors and he will be paid only according to the tender rates. If the contractor shall have any doubt as to the meaning of any portion of the conditions of the specifications, drawings, or plans he shall before submitting the tender set forth the particulars thereof and submit them to the FA & CAO in writing in order that any such doubt may be removed.

The contractor shall, before commencing the work, display and correctly maintain in a clear and legible manner at a conspicuous place on the site, notices in English and in a local language spoken by the majority of the workmen, stating therein the rate of wages which have been fixed as fair wages and hours for which such wages are earned and send a copy of such notices to the Project Manager.

All equipments, components and accessories offered **shall be brand new and readily available indigenously**. All items offered shall be as per approved quality and standards. All works shall be carried out as per relevant Industry Standards.

3.2. **PRICE.**

The prices shall be quoted in Indian Rupees only.

Bidders should quote prices in the prescribed format in the Price Schedule. The price quoted should include cost of **Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority**. The prices quoted should be firm and should not be linked with each other or with any price variation clause.

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3.3. **CONTRACTOR TO INFORM HIMSELF FULLY:**

The contractor shall be deemed to have carefully examined the General Conditions of Contract, Specifications, Drawings and form of tender and be informed himself fully regarding the conditions in which the contract is to be executed, the rules and regulations and all other matters and things affecting the cost of the work and should be satisfied himself fully regarding the sufficiency of his tender to cover all his obligations under the contract.

3.4. **AWARD OF CONTRACT**

The Cochin Port Authority will issue a Work order immediately on deciding the successful bidder. In case the work order is getting delayed due to technical reasons, a Letter of Intent (LoI) will be issued to the contractor so as to make necessary arrangements for the mobilisation of the work.

3.5. **CONTRACT AGREEMENT:**

The successful Bidder will be required to execute an agreement at his expense on Two Hundred Rupees (Rs.200/-) Kerala Stamp Paper in the proper departmental format (Annexure- XIII) for the due and proper fulfilment of the contract, within 28 days from the date of the work order.

Pending preparation and execution of the contract agreement as above, the tender submitted by the contractor together with the letter accepting the tender (Work Order) shall constitute a binding contract between the Board and the Contractor.

3.6. **PERFORMANCE SECURITY**

The successful Bidder will be required to furnish Bank Guarantee towards Performance Security for 10% of the total Contract price including GST not later than 21 days from the date of Work order of the Tender by means of Bank Guarantee.

The Bank Guarantee should be valid for 5 Years from the date of operational acceptance and the same has to be extended for a further period as required by the Employer. Any expenditure in this regard will be borne by the Contractor. The Proforma of Bank Guarantee for Performance Security is given as ANNEXURE -XII.

The Port Authority may at their option Claim the Performance Security either in full or part if the contractor fails to carry out the work or perform or observe the conditions of contract. The Port Authority will also be at liberty to deduct from Security Deposit or from any sums of money due or that may become due under contract with the contractor that may become due to the Port Authority. This is without prejudice to the rights of the Authority under the terms of the Contract.

3.7. **COMPLETION PERIOD**

The entire work should be completed within 14 weeks from the date of issue of work order. If the work is not completed within the stipulated time, liquidated damages will be applicable.

In case the contractor is not permitted to carry out work due to some problem from employer's side, he should maintain a record of such time lost duly counter signed by the Project Manager, and this period will not be included while determining the delay in completion period of work.

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3.8. **GUARANTEE / WARRANTY PERIOD:**
All supplied equipment shall carry a minimum warranty as specified in the technical specifications/BOQ.

3.9. The Switches, other active & passive components including accessories shall carry a minimum warranty of Five Years from the date of operational acceptance. Any defective equipment shall be repaired or replaced by the Contractor/OEM without additional cost to Cochin Port Authority.

3.10. The warranty should be on-site and comprehensive Core Switches, active & passive components including accessories and all the connected accessories offered and implemented as part of this tender. The Contractor shall attend to all failures of Network Connectivity, by replacement/ repair of the defective parts free of cost to Port Authority during the warranty period. In the event of any defect or deficiency being noticed in the functions of the system, which is attributable to the defective materials, design or workmanship, during the warranty period, the contractor shall make good the same at his cost. The contractor shall supply new parts to replace any that may be proved to have been so defective, free of cost to Cochin Port Authority. The cost of all replacement of such defective parts of materials, including freight, insurance, clearance, customs duty, GST, delivery charges etc. shall be borne by the contractor who will also arrange at his cost for the fitting/replacement. Necessary spares including critical components have to be kept in CoPA to reduce the rectification time.

3.11. In case of any dispute as to whether any material/ workmanship is defective, the decision of the Employer shall be final and binding.

3.12. **Defects Liability :**
The Contractor shall provide warranty that the System, including all Information Technologies, Materials, and other Goods supplied and Services provided, shall be free from defects in the design, engineering, Materials, and workmanship that prevent the System and/or any of its components from fulfilling the Technical Requirements or the performance, reliability, or extensibility of the System and/or Subsystems. Commercial warranty provisions of products supplied under the Contract shall apply to the extent that they do not conflict with the provisions of this Contract.

During the contract period, the firm would be responsible for

a. Maintaining availability of Network Connectivity as specified in this contract;
b. Rectifying problems found, if any, in the Network & accessories supplied; and
c. Repairing or replacing defective equipment or a component of equipment or material or any goods supplied

3.13. **POST IMPLEMENTATION SUPPORT**
The contractor shall provide OEM warranty for all Equipment mentioned in the BoM for a period of Five Years from the date of operational acceptance.

3.14. **LIQUIDATED DAMAGES:**
Time is essence of the contract

In the event of failure of the contractor to commission the system complete in all respects as per specifications, as ordered within the completion period stipulated in the order/tender,

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the contractor will be liable to pay liquidated damages. The extension granted will not exonerate the contractor from his liability to pay liquidated damages. The contractor shall pay to the Trustees as liquidated damages and not as penalty for the delay, a sum equivalent to ½% (half percent) of the contract price of the item / items per week for such delay or part thereof, the maximum of which shall not exceed 10 % (ten percent) of the contract price. The liquidated damages fixed as above shall be considered as reasonable compensation without any actual proof of loss or damage. The Trustees shall have power to deduct such sum or sums from the money due to the contractor.

Any variation made in the work/ supply shall be not of any excuse for delay in completing the work / supply nor prevent the deduction of the said liquidated damages, unless an extension of the completion period shall have been granted by FA & CAO in writing in respect of such variation.

The liquidated damages paid/ deducted as above shall not relieve the contractor from the obligation to complete the order or from other obligations and liabilities under the contract.

(The clauses given above will over ride all other clauses regarding liquidated damages wherever they appear in the tender documents).

3.15. PAYMENT TERMS:

The Contract Price shall be firm and fixed and not subject to any alteration.
Terms of Payment:

Payment will be made by the Employer according to the following schedule and procedures:
The Contractor's request for payment shall be made to the Employer in writing, accompanied by an invoice for the goods or services actually delivered, installed, or operationally accepted for the completion of key milestones specified in the Implementation Schedule and other supporting documents.

No payment made by the Employer herein shall be deemed to constitute acceptance by the Employer of the System or any Subsystem(s).

All statutory levies such as IT, GST, Work contract Tax, Service Tax etc. and all amounts due to the Employer will be deducted from the amount due to the Contractor and the balance will be paid. Payment will be made through ECS as far as possible and contractor will be required to provide information on Bank details.

The types of works covered in this contract are as follows:

i Supply, Installation, Testing & Commissioning of Equipment
ii Supply, Installation, Configuration & Testing of software products

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Details of key milestones, activities to be completed, stage payments and the documents that will be required for processing the payment for different types of works under this contract are given below:

i Supply, Installation, Testing & Commissioning of Equipment

Key milestone	Activities to be completed	Payment	Documents to be submitted
(i) Delivery of equipment/ materials	Receipt of equipment and materials in good condition & testing, if applicable	60% of the value for the specific item of work	Test certificates, manuals, DC & related documents
(ii) Installation, Testing and commissioning	Commissioning and acceptance by CoPA	30% or 40% depending on whether training is applicable or not.	Installation certificate & Acceptance report by Port Officials/ Project Manager
(iii) Training, if applicable	Training as specified	10%, if Training is applicable	Certificate by Project Manager

ii Supply, Installation, Testing & Commissioning of software products

Key milestone	Activities to be completed	Payment	Documents to be submitted
(i) Delivery of software products	Receipt of software products	60% of the value for the specific item of work	Manuals, DC etc.
(ii) Installation, Testing and commissioning	Commissioning and acceptance by Port	30% or 40% depending on whether training is applicable or not	Installation certificate & Acceptance report by Port Officials/ Project Manager
(iii) Training, if applicable	Training as specified	10%, if Training is applicable	Certificate by Project Manager

iii Any other specified services/ product delivery

Key milestone	Activities to be completed	Payment	Documents
(i) Delivery of services/ products	Receipt of services/ product	60% of the value for the specific item of work	Manuals, DC etc or measurements.
(ii) Installation, Testing& commissioning as applicable	Acceptance by Port	30% or 40% depending on whether training is applicable or not	Operational Acceptance report by Port Officials/ Project Manager
(iii) Training, if applicable	Training as specified	10%, if Training is applicable	Certificate by Project Manager

Post implementation services/ materials delivery

Key milestone	Activities to be	Payment	Documents

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	completed		
(i) Warranty services – completion	Satisfactory support during warranty period	Release of Security Deposit	Defects Liability Certificate by Project Manager

The following documents shall be submitted by the Contractor to the Project Manager at each stage on completion of work as stated in Table I & II above of payments as applicable:

i Invoice (showing Purchase-cum-Work Order ref., goods description, quantity, unit price, total amount) for the stage payment
ii Installation Certificate, certifying satisfactory installation of all the equipment including software authenticated by Project Managers.
iii Software licenses for all required software, Media including utility and system software.
iv Supply of original system manuals, user manuals and other reference materials.
v Supply of system documentation for the application software.
vi Manufacturer warranty certificates for all software supplied
vii Operational Acceptance certificate for the different subsystems duly signed and stamped by Cochin Port Authority officials.
viii Defects Liability Certificate
ix Request for release of Security Deposit

Invoice duly indicating all items given in respective tables, shall be submitted by the contractor for release of the percentage amount as given above and by enclosing relevant documents. COPA shall release payment to the Contractor as per above stages along with applicable GST subject to recoveries, if any.

Payment shall be released within 30 days from the date of receipt of undisputed bills, in duplicate, and with all other supporting documents, including ESI, EPF. GST number shall be invariably indicated on all invoices.

Inspection and testing of any of the components/item before dispatch to site shall be done by Consultant/Third party Inspection agency appointed by the Port for the project to ensure that they conform to the tender specifications. The dispatch of the items shall be after obtaining transit insurance (from a Government Insurance Company) to cover for full values.

Stage wise Inspection of material supplied and received at site shall be carried out by the Project Manager or the Officer assigned by Project Manager, COPA, to ensure that all the items received at site confirm to the tender specifications and are in good condition, for acceptance by COPA.

All the above payments against supply of material/components/items shall be released only on receipt of the same in good condition at COPA site, subject to production of valid relevant test certificates & documents. The receipt of material conforming to the tender specifications and in good condition shall be certified by the consultant and third party inspection agency appointed by the COPA, for acceptance if any.

No claim of interest will be entertained by the COPA with respect to delay on effecting the payment by COPA as per aforesaid payment terms.

3.16. **Deductions:-**

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Income Tax at the prevailing rates will also be deducted from each running bills.

The amount of all costs of work not executed or other sum, which under the contract shall be payable by contractor to the Port Authority, maybe deducted/ adjusted by the Port Authority from any money due or becoming due to the contractor under the contract, without prejudice to the Port Trust's right to recover the same by the ordinary process of law.

3.17. **FORCE MAJEURE:**

Neither party hereto shall be held responsible for any delay or failure to perform any or all of the obligations imposed upon such party caused by Force Majeure. In such a case, the time for performance of such obligations and the obligations for the other party to the extent that they are directly or indirectly affected by such occurrence will be extended by a period equal to that time. Notification of a circumstance of Force Majeure shall be given by e.mail addressed to the other party within 5 working days of its occurrence. This e.mail shall be confirmed by letter dispatched within 1week along with a certificate of the relevant Chamber of Commerce of confirming the existence of the circumstance of the Force Majeure. Only the following shall be considered as Force Majeure if they intervene before contractual delivery date and impede performance- Acts of God, war, revolutions, fire, floods, epidemics, quarantine restriction, freight embargoes and acts of State (Excluding power cuts).

However, should such a delay even if due to reason of Force Majeure be protracted for more than three (3) months, owner may cancel the contract, subject to the consent of the contractor at no charge to owner in contractor's favour and owner shall be entitled to reimbursement of the amount paid to contractor.

The contractor will have to abide by the various Labour Laws and Regulations including P.F Act, Workmen compensation Act, Contract Labour (Regulation & Abolition) Act etc. or other Statutory Requirement if any, if applicable. The contractor shall comply with all the provisions of the Indian Workmen's Compensations Act, Provident Fund Regulations, Employees Provident Fund and ESI Act etc. amended from time to time and rules framed there under and other laws affecting the contract labour that may be brought in to force from time to time

The men deployed for the work and the materials brought by the Contractor for the work shall be insured at his own cost and the Port will no way be responsible for the loss/damages to the materials in connection with the work. The Contractor will insure all his employees against any accidents and indemnify Cochin Port during the period of his contract. Necessary safety precautions shall be taken while carrying out these works.

3.18. **ALTERATIONS & ADDITIONS**

Should any alterations or additions to the works as specified in the said specifications not involving extra cost to the contractor be considered necessary or expedient by either party and be mutually agreed or in writing, the contractor shall execute the same without any charge beyond the contract price. But if the Port desires any alterations or additions involving extra cost to the contractor, the Contractor before executing the same, arrive at a mutual agreement regarding the cost and time for such alterations and additions.

3.19. **REJECTIONS AND REPLACEMENTS**

All materials, equipment and workmanship used and employed in carrying out this contract

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shall be to the entire satisfaction of the employer. Any portion or portions of materials, equipment or any of the works done under this contract which may be considered to be defective or unsatisfactory or not in accordance with the said specifications and plans and the requirements, which they shall reject and shall be replaced to the satisfaction of employer at the sole expense of the contractor.

3.20. **INDEMNIFY AGAINST ACCIDENT AND DAMAGE**

The contractor shall be held liable and responsible for all accidents or damages to the work during supply, installation and commissioning from whatsoever cause arising, and chargeable for anything that may be lost, stolen, damaged, removed or destroyed at any time till the system is accepted by the employer and shall also be held responsible and guarantee to make good any damage to or defects in the said work or any portion thereof due to materials, workmanship or design which appear or become known before the expiry of the guarantee period notwithstanding that such damage/defect might not have been discovered during the tests or trials or that payment may wholly or partially have been made or that the work may have been approved earlier as properly completed and no certificate of approval of any work or materials by the employer shall affect or prejudice the right of the Board of Trustees against the contractor or be considered conclusive as to the sufficiency of such work or materials. The contractor shall solely be responsible for and shall make good and compensate any damage or injury, sustained by any person or property during the construction or working thereof up to the expiry of the guarantee period occasioned by reason if such defective construction or delivery or by reason of the failure of any portion thereof, or in consequence of any operations of the contractor or his agents and he shall also be indemnify and keep indemnified and harmless the Board of Trustees and their representatives from and against all suits, actions, claims, penalties, liabilities, cost, expenses and demands whatsoever in connection with the work during the period of execution of contract and also against losses, damages, compensations, accidents, cost and expenses incurred.

3.21. **QUALITY OF MATERIALS AND WORKMANSHIP:**

All the equipments, components, accessories etc. used shall be brand new and readily available indigenously. All items offered shall be as per approved quality and standards. They shall be of such design, size and material as to function satisfactorily under the rated conditions of operation and to withstand the environmental conditions at site.

The contractor shall execute in the best and most workmen like manner all works according to the true intent and meaning of the specifications of the contract and complete the same to the entire satisfaction of the employer.

3.22. **RESPONSIBILITY FOR COMPLETENESS**

Any fittings or accessories which may not be specifically mentioned in the specification but which are usual or necessary are to be provided by the contractor without extra charge and the system must be complete in all details.

3.23. **FINAL TESTS & TRIALS**

When the installation of the system is completed in all respects, the contractor shall present the system for final tests. He should also perform all the tests as required by the employer to the entire satisfaction of the Port.

3.24. **TAKING OVER**

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When all performance tests called for by the employer have been successfully carried out the system shall be accepted and taken over and issue a Letter of operational acceptance.

In the event of final or any outstanding tests being held over, such taking over certificate shall be issued subject to the results of such final or outstanding tests.

Before handing over the system all standard performance tests shall be conducted by the contractor.

3.25. **LIABILITY UNDER THE WORKMEN'S COMPENSATION ACT.**

The contractor shall at times indemnify the employer against any claims which may be made under the Social Security Code 2020 or any statutory modification thereof or otherwise in respect of any damages or compensation payable in consequences of any accident or injury sustained by any workmen or other person whether in the employment of the contractor or not.

3.26. **REGULATIONS OF LOCAL AUTHORITIES**

The employer shall, throughout the continuance of the contract and in respect of all matters arising in the performance thereof, serve all notices and obtain consents, way leaves, approvals and permissions required in connection with the Regulations and Bye-laws of the local or other authority which shall be applicable to the work.

Any work of an electrical nature to be executed under the contract shall comply with provisions of The Electricity Act 36 of 2003 and the Rules there under for the time being in force.

SUM PAYABLE BY WAY OF COMPENSATION TO BE CONSIDERED AS REASONABLE COMPENSATION WITHOUT REFERENCE TO ACTUAL LOSS

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of the Board without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

3.27. **CHANGES IN CONSTITUTION OF FIRM**

In the case of a tender by partners any change in the constitutions of the firm shall be forthwith notified by the contractor to the FA & CAO for his information.

3.28. **OPERATIONAL ACCEPTANCE**

The work shall not be considered as completed until the Project Manager has certified in writing that the work has been operationally accepted and the guarantee/warranty shall commence from the date of such certificate.

Acceptance Test Plan – Minimum

Test Area	Acceptance Check
Physical	Model/serial, Quantity, Accessories, Rack Installation, Power and Labeling.
Switching	Port/Link Validation, Vlans, Trunks, Lacp, Routing, Acls, Qos, Ipv4/Ipv6 And Management.
Resiliency	Ha/stack/mlag as applicable, link/power failure and recovery tests.

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Firewall	Policy, Application Control, Ips, Av, Url Filtering, Sandboxing, Dnssecurity, Vpn, Nat/Pat And Ssl/ Tls Inspection.
Wireless	Ssid/security, Radio operation, Roaming, Coverage/performance and Monitoring.
NMS	Discovery, Dashboards, Alerts, Configuration Backup/restore, Reporting and Firmware Workflow.
AD/Server	Domain Services, DNS, Authentication, Replication/migration validation, licensing and backup.
Handover	Documentation, Training, support entitlement and closure report.

3.29. **STORAGE OF MATERIALS**

The storage of materials brought to site is the full responsibility of the contractor.

3.30. **PROCUREMENT OF MATERIALS**

Contractor shall make his own arrangements for the procurement of all materials required for the work.

The Contractor shall be required to produce samples of all the materials sufficiently in advance to obtain approval of the Project Manager.

Rejected materials shall be removed from the site immediately under the supervision of Project Manager.

All materials or workmanship, which in the opinion of the Project Manager is defective or is unsuitable and the debris shall be removed from the site within a reasonable time to be fixed by the Project Manager depending on the requirement in each case, failing which, the same shall be removed at the risk and cost of the Contractor. No claim whatever shall be entertained on this account.

3.31. **BYE-LAWS**

The Contractor shall comply with all bye-laws and regulations of local and statutory authorities having jurisdiction over the works and shall be responsible for obtaining prior approval, if any, and payment of all fees and other charges, giving and receiving of all necessary notices and keeping the Project Manager informed of the said compliance with the bye-laws payments made, notices issued and received.

The Contractor shall indemnify Purchaser against all claims in respect of royalties, patent rights, design trademarks of name or other protected rights in respect of any plant, machine, work or materials used for or in connection with work or temporary work and from and against all claims, demands proceeding, cost, charges and expenses whatsoever in respect of or in relation thereto. The Contractor shall defend all actions arising from such claims and shall himself and any every sort that may be legally incurred in respect thereof.

3.32. **CO-ORDINATION**

The Contractor shall co-operate with other agencies working in the same project, compare plans, and specifications and the time schedules and so arrange his work that there will be no interference. The Contractor shall forward to the Project Manager all correspondence and drawings exchanged. Failure to check plans for conditions will render the Contractor responsible for bearing the cost of any subsequent change found necessary or damages done.

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However, the Contractor shall afford necessary facilities to execute the work simultaneously with other agencies executing the works for the same project. The Purchaser shall entertain no claim on this account.

3.33. **PHASING OF WORKS**

The total period for completion of works under this contract is as given in the bid document. The work has to be carried out in phases as directed by the Project Manager from time to time so that the total project work can progress smoothly with least obstruction to the work of other Contractors/agencies.

3.34. **LAW**

The contract shall be interpreted and have effect in accordance with the law of India and any suit or other proceedings relating to this contract shall be filed, taken by the contractor in a Court of Law only in Cochin.

3.35. **CONTRACT HOW TO BE CONSTRUED**

The contract shall be construed to take effect according to the Laws in force for the time being in India.

3.36. **INTEGRITY PACT**

The tenderer have to execute an "Pre-Contract Integrity Pact" (IP) as per the format attached in Annexure - XV of this tender document. Integrity pact shall cover the tender throughout its various phases and it would be deemed as a part of the contract. The tenderer should sign and submit the "Integrity Pact" to be executed between the tenderer and Cochin Port Authority along with the tender.

3.37. **EXTRA ITEMS**

The specified Bill of Materials are indicative and if any extra items are essential for the successful implementation of the project, as per the scope of work, the same shall be included in the Price Bid.

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Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority

TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026

SCOPE OF WORK

4.1 Scope of Work:

Cochin Port Authority intends to upgrade its existing **IT and Network Infrastructure** across the Port campus by replacing/upgrading the existing **Firewall, Core Switches, Distribution Switches and Access Switches**, along with implementation of an enterprise-grade **Antivirus/Endpoint Security solution** and **Active Directory (AD) Server** infrastructure. The scope shall also include Supply, Installation, Testing and Commissioning of a **Network Management System (NMS)** for centralized monitoring of all campus assets, management, fault detection, performance monitoring and reporting of the entire network infrastructure. The successful bidder shall undertake the complete end-to-end work, including site survey, supply, installation, configuration, integration, migration of existing configurations/services, testing, commissioning, documentation, training and comprehensive warranty/support, ensuring minimum disruption to the existing Port operations and providing a secure, scalable, reliable and centrally manageable network infrastructure.

The successful bidder shall Supply, installation, Testing and Commissioning (SITC) the following equipment and associated items as specified in the tender:

1) Core Switches, Distribution Switches & Access Switches including SFP modules with required licences.
2) Next Gen. Firewalls Hardware with required licenses.
3) Antivirus/Endpoint Security solution for centralized management of 500 users Licences (On-Prem Solution) with Server having Windows Server 2025 Professional.
4) Network Monitoring and Management System (NMS)(On-Prem Solution along with required licences)withServer having Windows Server 2025 Professional.
5) Upgradation and Migration of Active Directory services setup (On-Prem Solution) with server havingOSWindows Server 2025 with CAL (600).
6) Network racks with mounting hardware, patch cords and interconnection accessories.
7) 5 Year OEM Warranty for items including hardware & software.

4.2 Detailed Scope of work:

4.2.1 Core, Distribution & Access Switches:

4.1.1.1. SITC of Core, Distribution & Access Switches, including required hardware, software, licenses, accessories, configuration, testing and commissioning as per the technical specifications.

4.1.1.2. Understand and migrate existing Core, Distribution & Access Switch configurations with proper backups and minimum service disruption by dismantling old switches.

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4.1.1.3. Migrate IP's, VLAN's, Gateways, DNS, DHCP, ACL's, STP, Routing, Switching, Trunk & Access Port configurations.
4.1.1.4. Configure the network in redundant/high-availability mode for continuous connectivity.
4.1.1.5. Submit a detailed migration and cutover plan to CoPA for approval.
4.1.1.6. Conduct failover/recovery testing and submit configuration backups and test results.
4.1.1.7. Provide all hardware, SFP Modules, software, licenses valid for 5 Years, accessories and services required for installation, migration, testing and commissioning of Core, Distribution & Access Switches.
4.1.1.8. Submit updated network configuration documentation upon completion as per ISO Standards.

4.2.2 Next Gen Firewalls:

4.1.2.1. SITC of Next-Generation Firewalls (NGFWs), including required hardware, software, licenses, accessories, configuration, testing and commissioningas per the technical specifications.
4.1.2.2. Understand and migrate existing firewall configurations to new firewalls with proper backups and minimum service disruption by dismantling old firewalls.
4.1.2.3. Migrate Firewall Zones, ISP Links, MPLS, Security Policies, NAT, D-NAT, Routing like BGP, IPSEC Tunnels, SDWAN, RAVPNs, Logging, UTM Profiles, IPS/IDS, Proxy etc.
4.1.2.4. Configure the NGFWs in HA/redundant mode to ensure continuous network security and connectivity.
4.1.2.5. Submit a detailed firewall migration and cutover plan to CoPA for approval.
4.1.2.6. Conduct failover, recovery and security policy testing and submit configuration backups and test results.
4.1.2.7. Provide all hardware, software, licenses valid for 5 Years, subscriptions, accessories and services required for installation, migration, testing and commissioning of the NGFWs.
4.1.2.8. Submit updated firewall configuration and network documentation upon completionas per ISO Standards.

4.2.3 Antivirus/Endpoint Security Solution:

4.1.3.1. SITC of Antivirus/Endpoint Securitysolution on CoPA's on-premises server, including required hardware/software, with proper backups.
4.1.3.2. Understand and migrate existing Endpoint Security configurations, policies and exclusions with proper backups.
4.1.3.3. Configure Endpoint Protection, Antivirus, EDR, Malware Protection, Web/Device Control, Application Control, etc.
4.1.3.4. Deploy and configure Endpoint Security agents on all CoPAsystems.
4.1.3.5. Configure centralized management, monitoring, alerts, reporting and policy enforcement.
4.1.3.6. Conduct health, functionality and security testing and rectify identified issues.
4.1.3.7. Provide all licenses valid for 5 Years, software, deployment, configuration and support services required for implementation.
4.1.3.8. Submit updated configuration, deployment and security documentation upon completion.

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4.2.4 Network Monitoring Solution (NMS)

4.1.4.1. SITC of NMS solution on CoPA's on-premises server, including required hardware/software, with proper backups.
4.1.4.2. Configure SNMP, device discovery, topology, performance, bandwidth, CPU, memory and interface monitoring, etc.
4.1.4.3. Configure alerts, notifications, thresholds, dashboards, reports and event management.
4.1.4.4. Integrate Core, Distribution & Access Switches, Firewalls, Servers, Cloud assets and other network devices with NMSirrespective of OEMs.
4.1.4.5. Conduct monitoring and alert testing, rectify issues and submit test results.
4.1.4.6. Provide historical performance analysis, trends and comprehensive reports.
4.1.4.7. Provide all licenses valid for 5 Years, software, installation, configuration and services required for implementation.
4.1.4.8. Submit updated NMS configuration and network monitoring documentation.

4.2.5 Active Directory

4.1.5.1. SITC of Active Directory Services on CoPA's on-premises server, including required hardware/software, with proper backups.
4.1.5.2. Understand and migrate existing Active Directory Domain Services AD DS, DNS, DHCP Services of CoPA to on-premises servers with proper backups and minimum service disruption.
4.1.5.3. Migrate Users, Groups, OUs, GPOs, DNS Zones and Records, etc.
4.1.5.4. Configure DNS, DHCP integration, Group Policies, Authentication and Access Controls, etc.
4.1.5.5. Configure AD/DNS redundancy and high availability for continuous services.
4.1.5.6. Integrate Servers, Network Devices and Endpoints with AD and DNS.
4.1.5.7. Conduct replication, failover and recovery testing and rectify identified issues inline with AD Security hardening with CIS Controls.
4.1.5.8. Submit a detailed AD migration and cutover plan to CoPA for approval.
4.1.5.9. Submit configuration backups, test results and updated AD/DNS documentation.

4.2.6 Supply, Installation and Commissioning of Network Rack with OFC Cable Termination.

The scope shall include Supply, Installation, Testing and Commissioning of Network Rack complete with all necessary accessories, including LIU/Fibre Termination Box, OFC fusion splicing and termination accessories, LAN patch panels, RJ45 connectors, keystone jacks, faceplates, fibre and LAN patch cords, cable managers, PDU, cooling fans, earthing arrangements, mounting accessories and other associated equipment. The scope shall include termination of all incoming/outgoing OFC and LAN cables, proper dressing, numbering, labelling, testing and commissioning of end-to-end network connectivity, including all labour, tools, consumables and accessories required for complete installation as per site requirements.

The existing network racks installed at various locations of Cochin Port Authority shall be dismantled and replaced with new suitable floor/wall-mounted network racks of adequate size and load-bearing capacity, as per site requirements.

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The scope shall include the following:

4.2.6.1. Supply of Network Rack: Supply and installation of a suitable floor-mounted/wall-mounted network rack of the required size (as specified in the BOQ), with adequate load-bearing capacity, ventilation and provision for proper cable management.

4.2.6.2. Rack Accessories: The rack shall be supplied complete with all necessary accessories, including:

- Cable managers (horizontal and vertical).
- Fixed shelves and mounting accessories, wherever required.
- Rack mounting nuts, bolts and screws.
- Power distribution unit (PDU) with adequate power outlets.
- Cooling fans with ventilation provisions.
- Earthing arrangement.
- Front and rear doors with locking facilities.
- Blanking panels and other necessary accessories.

4.2.6.3. OFC Cable Termination: The contractor shall carry out proper termination of incoming and outgoing OFC cables using suitable LIU (Light Interface Unit)/Fibre Termination Box of adequate capacity, complete with fibre optic adapter panels, pigtails, splice trays, splice protection sleeves and other required accessories.

4.2.6.4. Fibre Splicing and Testing: All OFC fibres shall be properly fusion-spliced and terminated using suitable connectors (LC/SC, as applicable). The contractor shall ensure proper labelling, identification and dressing of all fibre cores.

4.2.6.5. Interconnection: Supply and installation of suitable fibre patch cords, SFP modules and other interconnection accessories required for establishing connectivity between the terminated OFC cables and network switches.

4.2.6.6. LAN Cable Termination: Termination of all incoming and outgoing UTP/LAN cables using suitable patch panels of adequate port capacity (24/48 ports, as applicable), compatible RJ45 connectors, keystone jacks, faceplates, patch cords and other necessary accessories. All LAN cables shall be properly punched down, terminated, dressed and connected in accordance with applicable structured cabling standards.

4.2.6.7. Cable Management: All incoming and outgoing OFC/LAN cables shall be properly routed, dressed, secured and protected to ensure neat installation, minimum bending radius and ease of future maintenance.

4.2.6.8. Testing and Commissioning: The contractor shall conduct end-to-end fibre continuity and optical loss testing using suitable testing equipment (OTDR and/or Optical Power Meter, as applicable).

4.2.6.9. LAN Connectivity and Testing: All LAN ports shall be properly numbered and labelled at both ends. The contractor shall carry out testing of each LAN cable

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for wire mapping, continuity, short circuit, open circuit and connectivity using suitable LAN cable testers/certification equipment.

4.2.6.10. Complete Installation: The quoted rate shall be inclusive of transportation, installation, mounting, termination, fusion splicing, testing, commissioning and all labour, tools, consumables and accessories required for completing the work.

The contractor shall visit the site before execution, verify the existing OFC & UTP cable routes, cable entry points and installation requirements.

4.2.7 Warranty Services/defect liability.

The bidder shall obtain and provide to CoPA product warranty on the hardware supplied through this tender for a period of Five years from the date of commissioning/go live of the network.

The bidder shall provide the comprehensive manufacturer's warranty in respect of proper design, quality and workmanship of all hardware, equipment, accessories etc. covered by the RFP. SI must warrant all hardware, equipment, accessories, spare parts, software etc. procured and implemented as per this RFP against any manufacturing defects during the warranty period.

The bidder shall provide the performance warranty in respect of performance of the installed hardware and software to meet the performance requirements and service levels in the RFP.

Mean Time Between Failures (MTBF) - If during entire contract period, any equipment has a hardware failure on four or more occasions in a period of less than three months or six times in a period of less than twelve months, it shall be replaced by equivalent or higher-level new equipment by the bidder at no cost to CoPA. However, if the new equipment supplied is priced lower than the price at which the original item was supplied, the differential cost should be refunded to CoPA. For any delay in making available the replacement and repaired equipments for inspection, delivery of equipments or for commissioning of the systems or for acceptance tests / checks on per site basis, CoPA reserves the right to charge a penalty.

During the warranty period the bidder shall maintain the systems and repair / replace at the installed site, at no charge to CoPA, all defective components that are brought to the bidder's notice.

The SI shall carry out Preventive Maintenance (PM), including cleaning of interior and exterior, of all hardware and testing for virus, if any, and should maintain proper records at each site for such PM. Failure to carry out such PM will be a breach of warranty and the warranty period will be extended by the period of delay in PM.

The bidder shall monitor warranties to check adherence to preventive and repair maintenance terms and conditions.

The bidder shall ensure that the warranty complies with the agreed Technical Standards, Security Requirements, Operating Procedures, and Recovery Procedures.

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The bidder shall have to stock and provide adequate onsite and offsite spare parts and spare component to ensure that the uptime commitment as per SLA is met.

The bidder component that is reported to be down on a given date should be either fully repaired or replaced by temporary substitute (of equivalent configuration) within the time frame so as to conform to SLAs

The Contractor shall be responsible for all the Defects and deficiencies, except usual wear and tear. Without prejudice, the Contractor shall repair or rectify all Defects and deficiencies observed by the Authority's Engineer during the Defects Liability Period within a period of 15 (fifteen) days from the date of notice issued by the Authority's Engineer in this behalf, or within such reasonable period as may be determined by the Authority's Engineer at the request of the Contractor, in accordance with Good Industry Practice. The Defects Liability Period/warranty shall be deemed to be extended till the identified Defects have been remedied

4.3 Supply Installation of Servers

4.2.7.1. SITC of Physical Servers on CoPA's Data Centre, including valid operating system. licenses as per the technical specifications.
4.2.7.2. Rack mounting, cabling, OS installation, firmware/driver updates and configuration of the servers, including RAID, storage, network and management interfaces.
4.2.7.3. Install Antivirus/Endpoint Security solution, Network Monitoring Solution (NMS) and Active Directory services in the Physical Servers.
4.2.7.4. Configure server hardening, user access, security policies and required network connectivity as per CoPA requirements.
4.2.7.5. Submit updated Servers configuration documentation upon completion as per ISO Standards.

4.4 PROJECT MANAGEMENT ACTIVITIES

The bidder shall submit detailed plan for the following in the technical bid:

- Detailed Proposed solution architecture, Implementation & migration approach.
- The Resource Plan
- Management Reporting / Escalation Matrix
- Issue Management with severity levels and resolution .
- Risk Management
- Patch Management

The solution architecture, implementation & migration approach, resource plan submitted along with the tender will be considered in the technical presentation, which is a part of evaluation of tenders.

4.5 Scope of Documentation:

The bidder shall formulate an overall project plan to carry out all the activities listed in the RFP. A detailed work plan shall be created for each Milestone separately. These shall be discussed in

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weekly status meetings to ascertain the progress of the Project. The project schedule specified in the agreement shall be strictly adhered to. The bidder shall provide detailed schedule in the technical bid. The bidder is required to Staff the project so as to complete all the activities within the timelines expected by CoPA. CoPA will have the right to ask for changing the resource plan during the project execution stage, if it finds that the project is either under Staffed or over staffed with inadequate skills (to ensure that inadequate skills are not substituted by more people)

1) Providing original manuals of all Hardware items supplied.
2) Test parameters, commitments etc for acceptance testing to be enclosed along with Implementation plan.
3) Documentation on Equipment/ rack layout plan and connectivity Diagram, Network Architecture, Security Architecture.
4) Technical write up of the network design and functioning, System and Network architecture diagram, Active and Passive components configuration details, Security implementation.
5) Network configuration details (port wise) with IP address, subnet, VLAN, port description, etc for all active components.
6) Security implementation including VPNs, rules, IDS/IPS, ACL details etc.
7) Detailed Operator manuals for all the active components of the Network.
8) Acceptance test reports, performance test reports of networking components, load test reports.
9) To provide detailed Project document report with connectivity diagrams (Physical and Logical) including: Raceway/pathway diagram, heat maps, Cable and Fibre patching details, Naming and labelling details, Cable scanning and test results.
10) Documentation shall be submitted in both Softcopy and Hard Copy.

4.6 Training:

The bidder should do hand holding activities to the users whenever required. The bidder shall train the authorized engineers as and when required so as to utilize the Systems properly. The bidder shall provide training to the users for the configurations/transactions that are changed/ enhanced/introduced. Training to be given for the operation of the system on account of changes made by way of incident resolution or change order implementation for getting the operational acceptance. The bidder shall impart necessary training to the identified engineers of the Port along with training materials.

4.7 Dismantling and Removal of Existing Network Infrastructure

The successful bidder shall undertake the dismantling and removal of the existing Switches, Network racks and accessories at the locations identified by CoPA, as required for implementation of the new network infrastructure.

The existing UTP and OFC cabling infrastructure shall be retained and utilized as far as practicable for the proposed network implementation. The bidder shall not dismantle, remove or discard the existing UTP/OFC cables without the prior approval of CoPA.

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The bidder shall inspect and verify the condition, continuity, termination and suitability of the existing UTP and OFC cabling before commencement of the installation work.

Wherever the existing cabling is found to be suitable and serviceable, the same shall be reused for connecting the proposed Core Switches, Access Switches and other network equipment.

However, any modification, re-termination, re-routing, shifting, addition, extension, replacement of defective portions, provision of additional UTP/OFC links, patch cords, connectors, modules or other accessories required for successful implementation and commissioning of the proposed network shall be carried out by the bidder without any additional cost.

The bidder shall ensure that all such modifications/additions comply with the applicable technical standards and the specifications stipulated in the tender.

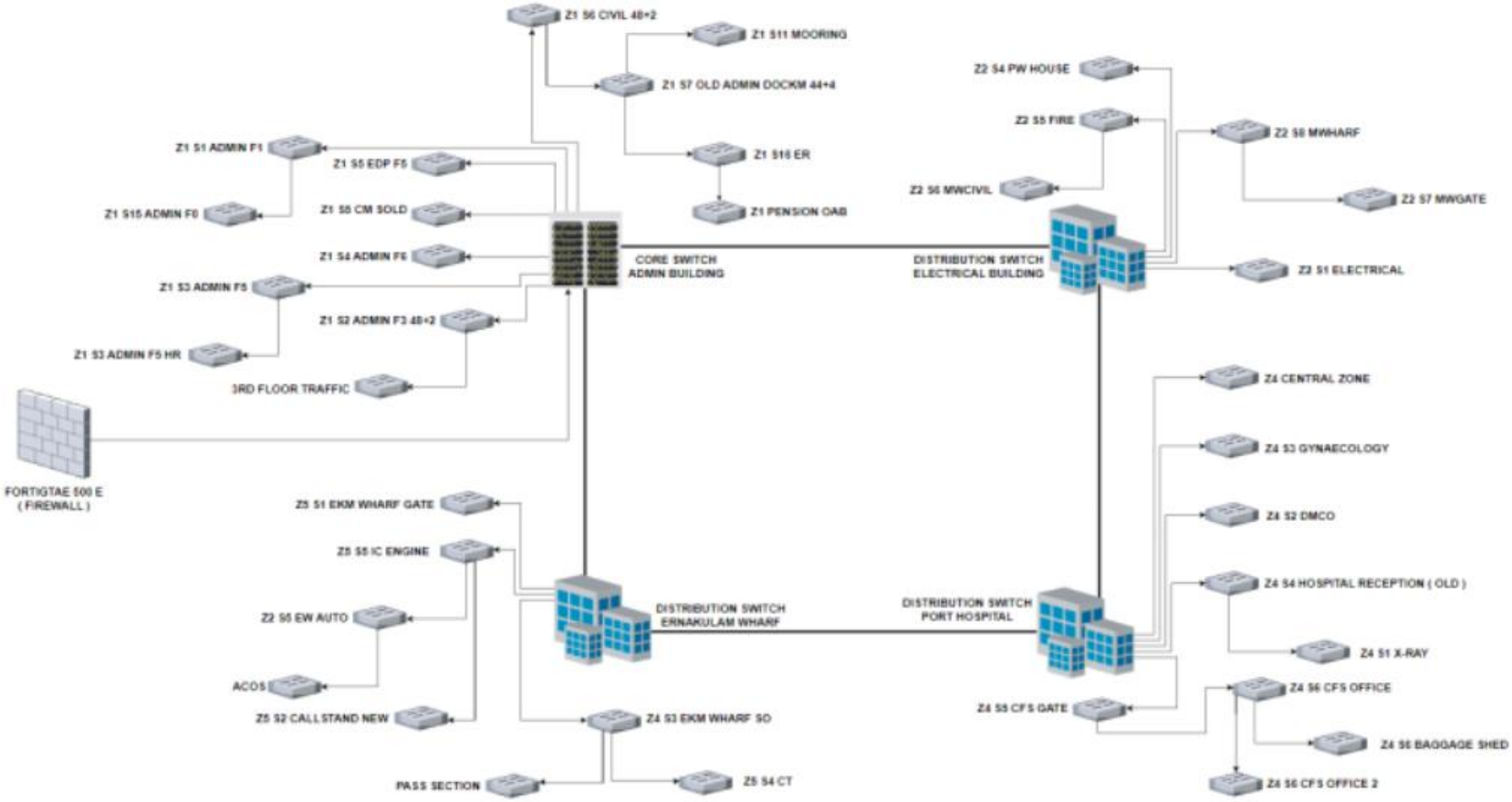
Any materials removed during the work shall remain the property of CoPA and shall be handed over to CoPA.

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TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026

The existing network infrastructure of CoPA



Schedule - 2

TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026

Bill of Materials			
Sl. No	**Description**	**Qty**	**Unit**
1	Firewall –SITC ofEnterprise Next-Generation Firewall (NGFW) with advanced Layer 3–Layer 7 security, application visibility and control, Intrusion Prevention System (IPS), Anti-Virus, Anti-Spyware, URL Filtering, Sandboxing, DNS Security, and SSL/TLS inspection. Supports high availability, IPv4/IPv6, IPsec/SSL VPN, dynamic routing protocols, centralized management, and real-time threat intelligence. Includes 5-year NGFW security subscriptions, software updates, and 24×7 OEM technical support.	2	Nos
2	Core Switch – Manageable switch should provide 24 × 1G/10G SFP+ fiber ports and 4 × 40G/100G QSFP28 uplink ports. The switch shall support advanced Layer 2 and Layer 3 switching features for enterprise and data center deployments.	2	Nos
3	Distribution Switch – Manageable switch should provide24× 1G/10G SFP+ fiber ports and 4 × 1/10/25G SFP28 uplink ports. The switch shall support dual field-replaceable, hot-swappable power supply units (PSUs) for high availability and redundancy	4	Nos
4	Access Switch Type–1 Manageable switch should provide 24 × 10/100/1000BASE-T Gigabit Ethernet ports and 4 × 1/10G SFP+ uplink ports.	14	Nos
5	Access Switch Type-2 Manageable switch should provide 12 × 10/100/1000BASE-T Gigabit Ethernet ports and 2 × 1/10G SFP+ uplink ports.	17	Nos
6	10G SFP+ LC LR 10km SMF C-Class Transceiver	131	No
8	Centralized AV Licence for 500 users (On-Prem Solution) with required hardware as specified in Technical Specifications	1	No
9	Upgradation and Migration of Active Directory services setup (On-Prem Solution)with required hardware as specified in Technical Specifications	1	No
10	Windows Servers - Windows Server 2025 (Intel Server / 1X 16-core (Silver 4514Y Processor) 2.0 GHz / 64GB Memory / 2X480GB SSD / 2X10G / 4 x 2 TB SAS HDD / Redundant Power Supply / Hardware Installation / 5Y TC Essential)	2	Nos
11	Windows Server 2025 Standard-16 Core License Pack Professional / Enterprise	2	Nos
12	Windows Server 2025 C43CAL (300) (Server license for one number and Client access license for 600 nos.)	2	Nos
13	Rack - 15U with PDU, 1U LIU 6/12 Port, 24 Port Patch panel with Standard Accessories as per the Technical Specification	2	Nos
14	Rack - 12U with PDU, 1U LIU 6/12 Port, 24 Port Patch panel with Standard Accessories as per the Technical Specification	2	Nos
15	Rack - 9U with PDU, 1U LIU 6/12 Port, 24 Port Patch panel with Standard Accessories as per the Technical Specification	22	Nos

Schedule - 3

Price Schedule							
Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority							
TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026							
NAME OF THE BIDDER:							
Sl. No	**Description**	**Qty**	**Unit**	**Rate (Rs.) Excl. Tax**	**Total Amount (Rs.) Excl. Tax**	**Tax @ 18 % Rs.**	**Total Amount (Rs.) Incl. Tax**
1	Firewall –SITC ofEnterprise Next-Generation Firewall (NGFW) with advanced Layer 3–Layer 7 security, application visibility and control, Intrusion Prevention System (IPS), Anti-Virus, Anti-Spyware, URL Filtering, Sandboxing, DNS Security, and SSL/TLS inspection. Supports high availability, IPv4/IPv6, IPsec/SSL VPN, dynamic routing protocols, centralized management, and real-time threat intelligence. Includes 5-year NGFW security subscriptions, software updates, and 24×7 OEM technical support.	2	Nos				
2	Core Switch – Manageable switch should provide 24 × 1G/10G SFP+ fiber ports and 4 × 40G/100G QSFP28 uplink ports. The switch shall support advanced Layer 2 and Layer 3 switching features for enterprise and data center deployments.	2	Nos				
3	Distribution Switch – Manageable switch should provide24× 1G/10G SFP+ fiber ports and 4 × 1/10/25G SFP28 uplink ports. The switch shall support dual field-replaceable, hot-swappable power supply units (PSUs) for high availability and redundancy	4	Nos				
4	Access Switch Type–1 Manageable switch should provide 24 × 10/100/1000BASE-T Gigabit Ethernet ports and 4 × 1/10G SFP+ uplink ports.	14	Nos				

5	Access Switch Type-2 Manageable switch should provide 12 × 10/100/1000BASE-T Gigabit Ethernet ports and 2 × 1/10G SFP+ uplink ports.	17	Nos				
6	10G SFP+ LC LR 10km SMF C-Class Transceiver	131	No				
8	Centralized AV Licence for 500 users (On-Prem Solution) with required hardware as specified in Technical Specifications **(Schedule -5)**	1	No				
9	Upgradation and Migration of Active Directory services setup (On-Prem Solution)with required hardware as specified in Technical Specifications **(Schedule -5)**	1	No				
10	Windows Servers - Windows Server 2025 (Intel Server / 1X 16-core (Silver 4514Y Processor) 2.0 GHz / 64GB Memory / 2X480GB SSD / 2X10G / 4 x 2 TB SAS HDD / Redundant Power Supply / Hardware Installation / 5Y TC Essential)	2	Nos				
11	Windows Server 2025 Standard-16 Core License Pack Professional / Enterprise	2	Nos				
12	Windows Server 2025 C43CAL (300) (Server license for one number and Client access license for 600 nos.)	2	Nos				
13	Rack - 15U with PDU, 1U LIU 6/12 Port, 24 Port Patch panel with Standard Accessories as per the Technical Specification	2	Nos				
14	Rack - 12U with PDU, 1U LIU 6/12 Port, 24 Port Patch panel with Standard Accessories as per the Technical Specification	2	Nos				
15	Rack - 9U with PDU, 1U LIU 6/12 Port, 24 Port Patch panel with Standard Accessories as per the Technical Specification	22	Nos				

Schedule -4

COCHIN PORT AUTHORITY
TENDER NO. FIN/EDP/NW Upgradation/2026 Dated 16.11.2026

Tender for the work of Supply, Installation, Testing and Commissioning for the upgradation of the Campus Networking & Security Infrastructure of Cochin Port Authority

Following documents are mandatorily submitted by the bidder.

LIST OF DOCUMENTS			
Sl. No	**Description of Documents**		**Complied (Yes/No)**
1	Proof of EMD for Rupees Rs.12,91,140/-.		
2	Tender document duly filled in except price schedule, signed and stamped on all pages		
3	Memorandum and Articles of Association of the Company		
4	Detailed information regarding current litigation, if any, in which the Bidder is currently involved.		
5	Annexure - i	(MQC -2) Tenderer'S Articulars	
6	Annexure - ii	(MQC -3)Details Of Financial Stability	
7	Annexure - iii	(MQC -4)Experience - Details Of Similar Works Made During The Last Seven (7) Years	
8	Annexure - iv	(MQC -5)Experience In Govt./Public Sector For Firewall/L2/L3 Switches	
9	Annexure - iv	(MQC -6)Experience In Govt./Public Sector For NMS	
10	Annexure - iv	(MQC -7)Experience In Govt./Public Sector For Antivirus/Endpoint Security Solution	
11	Annexure - iv	(MQC -8)Experience In Govt./Public Sector For SITC Of Active Directory Server & Services	
12	Annexure - v	(MQC -9) OEM Authorisation	
13		(MQC -10) ISO Certification	
14	Annexure - vii	Letter Of Application	
15	Annexure - viii	Letter Of Submission - Covering Letter	
16	Annexure - ix	Proforma Of Power Of Attorney / Letter Of Authority	
17	Annexure - x	Declaration	
18	Annexure - xi	Format For Furnishing Bank Information For E-Payment	
19	Annexure -xii	Proforma Of Bank Guarantee For Performance Guarantee / Security Deposit	
20	Annexure - xiii	Form Of Agreement	
21	Annexure - xiv	Format Of Declaration In-Lieu Of Emd/Bid Security	
22	Annexure -xv	Integrity Pact	
23	Annexure - xvii	Undertaking That No Changes Have Been Made In The Tender Document Downloaded	
24	Annexure - xviii	Undertaking That Price Bid Does Not Contain Any Conditions	
25	Annexure - xix	Bidder Declaration On Not Blacklisted / Banned	
26	Annexure -xx	Evidence Towards Site Visit	
27	Annexure -xxi	Technical Evaluation Sheet	
28	Annexure -xxii	Technical Compliance sheet	
29	Price Schedule		