

**OFFICE OF THE DEVELOPMENT COMMISSIONER
COCHIN SPECIAL ECONOMIC ZONE
KAKKANAD, COCHIN-37**

**NOTICE INVITING TENDER
FOR
SUPPLY, INSTALLATION, TESTING,
COMMISSIONING OF SURVEILLANCE CAMERA IN CSEZ ADMIN BUILDING**

NIT No. :	CSEZ-CSZ0H/1/2025-SEZ Cochin
Issue Date:	11th December, 2025.
Pre-Bid Meeting	24th December, 2025.12:15 PM
Last Date of Submission :	31st December,2025 .at 02.30 PM

(This document contains 47 pages)

PREFACE

The office of the Development Commissioner Cochin Special Economic Zone a subordinate office under the Ministry of Commerce and Industry, Government of India is inviting tenders for the supply, installation, testing, configuration of items for setting up of data centre for the Office of Development Commissioner, Cochin SEZ. In this regard, this office is inviting tender from firms meeting the prescribed qualifying criteria as mentioned in the tender document.

The firms may submit their bid with all necessary documents along with the covering letter duly signed by the authorized signatory on or before 31.12.2025 at 02.30 PM at the following address:

**Office of the Development Commissioner,
Cochin Special Economic Zone,
Ministry of Commerce & Industry,
Government of India
Administrative Building
Kakkanad, Cochin-682 037**

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PART – I

NOTICE INVITING TENDER (NIT)

File Number: **CSEZ-CSZ0H/1/2025-SEZ Cochin**

Dated 11.12.2025

Subject: Notice Inviting Tender For Supply, Installation, Testing, Commissioning Of Surveillance Camera In CSEZ Admin Building

Tenders are invited by Development Commissioner, CSEZ on behalf of President of India from eligible and registered firms for Notice Inviting Tender for Supply, Installation, Testing, Commissioning Of Surveillance Camera In CSEZ Admin Building in the Office of Development Commissioner Cochin SEZ.

1.	Name of the work	Supply, Installation, Testing, Commissioning Of Surveillance Camera In CSEZ Admin Building in the Office of Development Commissioner Cochin SEZ.
2.	Location	CSEZ, Kakkanad, Cochin, Kerala
3.	Tender Document	The Tender document can be downloaded from www.csez.gov.in www.eprocure.gov.in from 19.12.2025 05.00 P.M. onwards
4.	Validity of Tender	45 days
5	Last date and time of Submission of Tender	31.12.2025 at 2.30 PM
6	Pre Bid Meeting date and Time	Pre-Bid meeting will be conducted through virtual mode on 24.12.2025 12.15 PM. All parties shall send their name, and e-mail id's before 23.12.2025 02.30 PM to the e-mail evgokul@gmail.com CC: sunilsubramaniam@gmail.com for getting the link for pre-Bid VC link. Pre Bid Queries may be sent to the above email id on or before 23.12.2025 02.30 PM.
7	Date and Time of opening of Technical Bids	31.12.2025 at 03.00PM
8	Date and Time of opening of Financial Bids	Will be intimated to the bidders separately who have successfully qualified in the Technical Bids
9	Contact Person for queries	Assistant Development Commissioner (Admin), Cochin Special Economic Zone, Kakkanad, Kochi, Kerala evgokul@gmail.com CC: sunilsubramaniam@gmail.com
10	Submission of Proposal to be addressed to	Office of the Development Commissioner, Cochin Special Economic Zone, Ministry of Commerce & Industry, Government of India, Administrative Building Kakkanad, Cochin-682 037

(Sd/-)
Assistant Development Commissioner
(Admin)
Cochin Special Economic Zone

PART – II

2.1 INTRODUCTION

Office of the Development Commissioner, Cochin Special Economic Zone (CSEZ) is one among the 7 DC, offices functioning under the Administrative control of the Department of Commerce, Ministry of Commerce & Industry, and Government of India. This office acts as a single window for obtaining various licenses for SEZs and EOU operating in Karnataka, Kerala, Mahe, and Lakshadweep. Accordingly, Tenders are invited from interested, experienced, registered firms meeting the prescribed qualifying criteria as mentioned in tender document for Supply, installation, testing, commissioning of surveillance camera in CSEZ Admin building ,Office of Development Commissioner,Cochin SEZ.

2.2.1 ELIGIBILITY CRITERIA

While submitting the proposal, the applicant shall ensure that the applicant meets the conditions of eligibility as described below:

SI No	Criteria	Mandatory Documentary Evidence to be Submitted
1	Bidder should have registered office in Kerala and a local office at Ernakulam District of Kerala State against which documentary proof needs to be submitted for qualifying the bid.	Supporting Document to prove the same
2	Average Annual financial turnover should be at least 8 lakhs during the last three financial years ending 2022-23, 2023-24 and 2024-25.	Certified financial Statement/ Audited Balance Sheets Certificate duly audited by CA or ITR statement for Proprietary ship firms
3	Should not be a loss-making firm during the last three of the financial years ending, 2022-23, 2023-24,2024-25.	Certified financial Statement
4	Bidder should have successfully supplied/ installed/completed works of the similar nature (minimum two projects with two different clients) in State/Central Ministries/ Departments with value of 7.5 lakhs each for 2 projects, 5 lakhs each for 3 projects.	Copy of Purchase order, Work order etc
5	GST Registration of the vendor should be from the State of Kerala. (GSTIN beginning with the numerals 32)	GST Registration Certificate
6	The bidder has not been debarred/blacklisted by any Government/Semi- Government organization/or in GEM for the quality of services/product and that there is no major complaint against the quality of service/products by any organization.	Self Declaration in letter head
7	The bid should preferably be either an Original Equipment Manufacturer (OEM) or Authorized System Integrator Partner having Direct Purchase and Support Agreement with the OEM. In case the Bidder is a System Integration Partner of the Principal Manufacturer, a Certificate from the Principal Manufacturer clearly stating the relationship with the Partner and authorization to the Partner to quote for this	Relevant Certificate

	specific Bid is to be furnished.	
8	The bidder should have a minimum of 01 qualified Engineer and 02 Technician in the Surveillance Camera installation Networking domain and should have been in the payroll of the bidder's firm.	Documentary evidence, payroll and CVs of the Engineers must be submitted along with the bid.
9	Service Centre: Bidder should have a functional service Centre in Ernakulam district to attend any service calls within 24 hours of reporting such incident.	Declaration and Address proof of the same must be submitted
10	The Bidder shall visit this office and evaluate the work. The site inception certificate shall be obtained during the visit and should be submitted along with the Technical Bid. The Bidders who have not produced the inspection visit certificate will not be permitted to participate in the bid. The Bidders can visit the site on all office days from 3.00PM to 4.30PM .	

2.2.2 ADDITIONAL DOCUMENTS TO BE SUBMITTED

The following documents also need to be submitted along with the bid. Non submission of the below documents will result in the disqualification of the bidder

1	Signatory	Signatory for signing the contract	<ul style="list-style-type: none"> Power of Attorney in the name of the authorised signatory
2	Tax	PAN and GSTIN	<ul style="list-style-type: none"> Copy of PAN Card Copy of GSTIN
3	Integrity Pact	Integrity Pact as per format	<ul style="list-style-type: none"> Integrity Pact as per Central Vigilance Commission website https://pledge.cvc.nic.in (Annexure-II)
4	Video Capture image sample	Video Capture image samples of the cameras proposed by the firm	The capture image samples in Day, night , Rainy condition
5	STQC/BIS/Miety Certificate	The cameras and Recording equipment's relevant STQC BIS/Miety Certificate	Copies of STQC BIS/Miety certificate / relevant orders of Government of India

2.3 SELECTION PROCESS:

2.3.1 STUDY OF SCOPE

Intending Bidder(s) shall attend the Pre-bid meeting to acquaint themselves with extend of the scope of work involved and seek clarifications regarding the nature of work involved during or after the meeting by corresponding with the Contact Person assigned for handling queries.

A bidder(s) shall be deemed to have full knowledge of the scope whether he examines it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed.

The bidder(s) shall be responsible for arranging and maintaining at his own cost all equipments, materials, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder(s) implies that he has read this notice has made themself aware of the scope and specifications of the work and other factors having a bearing on the execution of the work.

2.3.2 BIDDING PROCESS

Brief Description:

1. A two stage selection process will be adopted in evaluating the tenders. In the first stage, a qualification cum technical evaluation will be carried out followed by a financial evaluation in the second stage. A Committee constituted by Development Commissioner, CSEZ shall evaluate the bids on technical criteria prescribed under Clause 2.2.1.
2. Qualification cum Technical Evaluation: The tenders will be evaluated on the basis of the bidders' eligibility as mentioned under Section II, Clause 2 above. Only those persons/ firms whose proposals meet the minimum eligibility under the said clause shall qualify for the second stage of the Bidding Process i.e. Financial Evaluation.
3. Evaluation of Financial Bids: The financial bids of the bidders who qualify in technical evaluation shall be opened and the lowest financial bid shall be determined as L-1.

2.3.3 TERMS & CONDITIONS

1. OEM/Bidder should have registered office in Kerala and a local office at Ernakulam District of Kerala State against which documentary proof needs to be submitted for qualifying the bid.
2. GST Registration of the vendor should be from the State of Kerala. (GSTIN beginning with the numerals 32).
3. Declaration that the bidder has not been debarred/blacklisted by any reputed Government/Semi- Government organization/in GEM for the quality of services/product and that there is no major complaint against the quality of service/products by any organization.
4. The bidder shall post one Qualified Site Engineer. Should provide the copy of the qualification to be submitted with the Tender.
6. The bidder should preferably be either an Original Equipment Manufacturer (OEM) or should be Authorized System Integrator Partner having Direct Purchase and Support Agreement with the OEM. In case the Bidder is a System Integration Partner of the Principal Manufacturer, a Certificate from the Principal Manufacturer clearly stating the

relationship with the Partner and authorization to the Partner to quote for this specific Bid is to be furnished. In case bidder is an Authorized partner of the proposed products Manufacturer's Authorization Format (MAF), specific to this Tender from Original Equipment Manufacturer should be submitted along with the proposal.

7. The bidder should have a minimum of 01 qualified Engineer and 02 Technician in the Surveillance Camera installation domain and should have been in the payroll of the bidder's firm. Documentary evidence, payroll and CVs of the Engineers must be submitted along with the bid.
8. Service Centre: Bidder should have a functional service Centre in Ernakulum district (Address proof of the same must be submitted) to attend any service calls within 24 hours of reporting such incident.
9. Bidders shall quote only those products in the bid which are not obsolete.
10. OEM Warranty certificates must be submitted by successful bidder at the time of delivery of Goods. The seller should submit an undertaking that the rectification of goods will be done at no additional cost in case of any break down during the guarantee period. Seller should have well established installation, commissioning, Training, troubleshooting and maintenance service group in INDIA for attending the after sales service.
11. Seller must submit self-certification (company letter head)/relevant documents regarding adherence of the clauses mentioned in the Terms and Conditions.
12. The buyer reserves the right to accept/reject the bid without assigning any reason.
13. The price quoted should be inclusive of all charges such as all kind of taxes, supply, installation, testing, configuration, training and all other incidental charges.
14. The specifications are basic essence of the product. It must be ensured that the offers must be strictly as per tendered specifications.
15. The intended Bidder shall visit this office and evaluate the work. The site inception certificate shall be obtained during the visit and should be submitted along with the Technical Bid. The Bidders who have not produced the inspection visit certificate will not be permitted to participate in the bid. The Bidders can visit the site on all office days from 3.00PM to 4.30PM .

2.3.4 OTHER TERMS AND CONDITIONS OF EVALUATION CRITERIA ARE AS UNDER:

1. The Tender Evaluation Committee may choose to conduct technical negotiation or discussion with any or all the Bidders. The decision of the Tender Evaluation Committee in the evaluation of the Technical and Financial bids shall be final and binding on all the parties.
2. Any effort by a Bidder to influence the Tender Evaluation Committee's processing of Bids or award decisions may result in the rejection of the Bid.
3. Failure of the Bidder to agree with the Terms & Conditions of the Tender/ Contract shall constitute sufficient grounds for the annulment of the award of contract, in which event the contract may be awarded to the next most responsive bidder.
4. Please note:
 - a. There should be no mention of prices in any part of the bid other than the financial bids.
 - b. Unit prices for each component of the financial proposal should be mentioned. Any spelling mistakes or incomplete information furnished would invite for a disqualification of the bid.
 - c. Basic price and GST should be shown separately in the financial bid. If no segregation is given, it will be presumed that the price includes the applicable GST element.
 - d. Substantially Responsible Bids: A substantially responsive Bid is one, which conforms to all the requirements, terms, conditions and specifications of the tender document.

2.3.5 INSTRUCTIONS TO BIDDERS

1. The Tender document can be downloaded from www.csez.gov.in, www.eprocure.gov.in. All costs & expenses associated with the submission of Tender shall be borne by the company for submitting the application and the Office of the Development Commissioner, CSEZ shall have no liability in any manner in this regard or if it decides to terminate the process of short- listing for any reason whatsoever. While submitting the tender, the bidder shall ensure that the bidder meets the conditions of eligibility described in the tender document. Failure to comply with the requirements spelled out in the tender Document shall make the proposal liable to be rejected.
2. The bid must be accompanied by a letter on firm's letter head showing the full registered name(s) and registered office address of the bidder. It should be signed by a person of suitable authority to commit the bidders to a binding contract.
3. Development Commissioner, CSEZ reserves the right to verify all statements, information, and documents submitted by the applicant in response to the Tender Document. Failure of the office of the Development Commissioner, CSEZ to undertake such verification shall not relieve the applicant of its obligations or liabilities hereunder nor will it affect any rights of the office of the Development Commissioner CSEZ there under.
4. The Tender document shall be submitted by the bidder duly signed on each page of the document. In case the proposal is submitted as per the document downloaded from the official website, the applicant shall be responsible for its accuracy and correctness as per the version uploaded by office of the Development Commissioner CSEZ and shall ensure that there are no changes caused in the content of the downloaded document. In case of any discrepancy between the downloaded or photocopied version of the Tender document and the original Tender document issued by the office of the Development Commissioner CSEZ, the latter shall prevail.
5. The Organization should submit their Proposal with Covering Letter in two separate envelopes marked as ENVELOPE-A and ENVELOPE-B.
 - a. Covering Letter: - The covering letter must clearly mention the name, address, telephone and email id of the authorized person who will serve as the primary point of contact for all communication. The person who is signing the covering letter and the proposal should have authorization.
 - b. Envelope-A: - One Hard Copy of Technical Proposal, in original, with signature of authorized personnel and stamp/ seal of the organization. The sealed envelope should be superscribed with the wordings "**TECHNICAL PROPOSAL FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING OF SURVEILLANCE CAMERA IN CSEZ ADMIN BUILDING**"
 - c. Envelope - B: - One Hard Copy of Financial Proposal, in original with signature of authorized personnel and stamp/seal of the organization. The sealed envelope should be superscribed with the wordings "**FINANCIAL PROPOSAL FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING OF SURVEILLANCE CAMERA IN CSEZ ADMIN BUILDING**".

- d. Each document in the two envelopes of Proposal should be a complete document and should be bound as a volume separately. Each of the document should be page numbered and appropriately flagged and contain the list of contents with page numbers. Different copies must be bound separately. The deficiency in documentation may result in the rejection of the Proposal. This envelope shall be sent to the Development Commissioner, Cochin Special Economic Zone, CSEZ Administration Building, Kakkanad, Kochi – 682 037.
- e. The Technical and Financial Proposals must be delivered at the submission address on or before the time and date stated above. Any Proposal received after the closing time for submission of proposals shall be returned unopened. CSEZ does not take any responsibility for the delay and any explanation for the same.
- f. The sealed cover should also clearly indicate the name, address, and telephone number of agencies to enable the proposal to be returned unopened in case it is declared "Late".
- g. The proposal should contain all the documentary evidences to substantiate the claim for Eligibility criteria set in clause 2.2.1 above.
- h. The right to suspend the short-listing process or part of the process to accept or reject any or all applications at any stage of the process and/ or to modify the process or any part thereof at any time without assigning any reason therefore is reserved by the Development Commissioner, CSEZ without any obligation or liability whatsoever.

6. **Language of Bid:** The Bid and all related correspondence and documents relating to the Project shall be in English language only. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate English translation which shall be certified by a qualified translator. Any material that is submitted in a language other than English and which is not accompanied by an accurate English translation will not be considered.

7. **Currency of Bid:** Bid prices shall be quoted in Indian Rupees (INR). Tender submitted by tenderer shall remain valid for acceptance as mentioned in NIT from the date set for submission of the tender. The tenderer shall not be entitled within the said period to revoke or cancel or vary the tender given or any item thereof, without the consent of CSEZ.

8. The bidder, whose tender is accepted, will be required to furnish performance guarantee of 5% (Five percent) of the contract amount within seven days of issue of the letter of intent depending on the magnitude and/ or urgency of work. Performance Security may be furnished in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial bank, Bank Guarantee from a Commercial bank or, Online payment in an acceptable form, safeguarding the purchaser's interest in all respects.

9. Undertaking from the firm that:

- i) There has not been any disciplinary action initiated or contemplated or pending/ suspension of practice against the entity or debarment from conducting any activity, by RBI/ C&AG or other financial sector regulator / statutory authority during the last five years.
- ii) None of the partners/ employees of the firm have been convicted of any offence involving moral turpitude or have been found guilty of any economic offence.
- iii) No appeal/ unresolved dispute/ suit/ case/ application has been pending at any court of law/ Tribunal in India regarding the existence of the business/ right to carry on practice of the firm or any of its partners/ directors.

10. **Conflict of Interest:** Bidders must disclose in their bid, details of any circumstances, including personal, financial and business activities that will, or might, give rise to a conflict of interest. Where bidders identify any should state how they intend to avoid such conflicts. Development Commissioner, CSEZ reserves the right to reject any bid which, gives rise, or could potentially give rise to, a conflict of interest, including on account of association with any intermediaries registered with CSEZ.

11. The bidders shall sign a declaration under the Officials Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them.

12. **Indemnity :**The successful bidder shall exercise reasonable skill, care and diligence in the performance of the assignment and indemnify and keep CSEZ, its members, officers, employees etc., indemnified at all times in respect of any loss, damage, harm or claim whatsoever, arising out of or related to any breach of contract, violation of any law/ rule, breach of statutory duty or negligence by the firm or by its staff, employees, agents or subcontractors, in relation to the performance or otherwise of the Services to be provided under the present tender and Contract thereto.

13. **Assigning to Others:** The successful bidder shall not, without the prior written consent of Development Commissioner, CSEZ assign or transfer or cause to be assigned or transferred, whether actually or as the result of takeover, merger or other change of identity or character of the successful bidders, any of its rights or obligations under present tender and Contract thereto or any part, share or interest therein. Upon any such assignment or transfer, this engagement may forthwith be terminated by CSEZ.

14. **Termination:** CSEZ may, at its sole discretion and at any time, terminate the Contract with the successful bidder/ firm by giving a month's notice, and inform the firm of CSEZ's decision by written instructions to that effect. Termination could also take place on such breaches as may be specified in the Contract. In the event of the Contract being so terminated, the firm shall take such steps as are necessary to bring the Services to an end, in a cost effective, timely and orderly manner, without making any claim of whatsoever nature, against CSEZ or any of its officers, employees, etc.

15. **Validity of Bids:** The Bids submitted shall remain valid for a period of 30 days from the date of bid submission. If the bid validity given in the received bid is lesser than the period specified, the Bid will be rejected as non-responsive. The Successful Bidders should extend the price validity till the completion of the order or as requested by CSEZ.

16. **Modification and Withdrawal of Bids:** The Bids once submitted may not be allowed to be modified or amended or withdrawn at any cost.

17. The Tender should also contain the following documents:

1. Tender document and Checklist as per Annexure 1 with specified documents attached as annexure.
2. A copy of the Tender Document signed, at the bottom of all pages as a token of acceptance of all terms and conditions.
3. Certificates, Documents, Self Declaration as per Tender.
4. If the envelope is not sealed and marked as instructed above, the office of the Development Commissioner CSEZ assumes no responsibility for the misplacement or premature opening of the contents of the Proposal submitted. Office of the Development Commissioner CSEZ is not responsible for the non-receipt or delayed receipt of tender document send through courier or post.

18. Note:

- a. The Proposal shall be made in the Forms specified in this Tender Document. Any attachment to such Forms must be provided on separate sheets of paper and only information that is directly relevant should be provided. This may include photocopies of the relevant pages of printed documents.
- b. Tender received by the office of the Development Commissioner CSEZ after the specified time on the due date shall not be eligible for consideration and shall be summarily rejected.
- c. In exceptional circumstances, the office of the Development Commissioner CSEZ may request the bidder's consent for an extension to the period of bid validity. The request and the response thereto shall be made in writing. A bidder accepting the request and granting an extension will not be permitted to modify his bid.
- d. Office of the Development Commissioner, CSEZ is not bound to accept any tender and reserves the right to accept or reject any tender, and reserve the right to annul the selection process and reject all tender at any time before the award of the selection without assigning any reason(s) whatever and without thereby incurring any liability towards the affected participant(s) on this ground.

2.3.6 Warranty Schedule

Equipment Warranty: - All equipment supplied comes with minimum manufacturer warranty and coverage as follows:-

SI No.	Equipment Type	Minimum Warranty Duration(Years)	Coverage
1	IP	1	Manufacturing defects, internal component failure
2	NVR	1	Hardware defects
3	Hard Drives	1	Bad sectors, read/write failure
4	PoE Switches	1	Internal power failure, port malfunction

5	Cables	1	Manufacturer defects (not physical damage)
6	TV	1	Manufacturing defects, internal component failure
7	UPS	1	Hardware defects
8	Data Server	1	Hardware and software defects

Workmanship Warranty is for a period of 12 months from date of commissioning, The Coverage includes Cable termination faults, Alignment/adjustment issues, Loose mounting and fixtures, Software configuration errors.

2.3.7 Payment:

Payment terms are as follows:

- a. Supply of new items in good condition and Successful installation of the items supplied to the satisfaction of the Development commissioner CSEZ- 80% of the project value
- b. Testing and commissioning of all the items as per the specification- of the value of the project (10%).
- c. After 30 days from the Testing commissioning of the Project remaining 10% of the value of the project.
- d. No interest will be paid for delayed payments.
- e. Payments will be made after deducting TDS on Income tax.
- f. GST as applicable.
- g. No advance payment will be made.

2.4 Scope of Work

2.4.1 Site Survey & Planning

This project is to be carried out in the Administrative office of the Cochin Special Economic Zone. The CCTV installation has to be carried out in the Administrative building of CSEZ. The proposed position of the camera and other accessories is tabled bellow. The camera and other items supplied should comply with Government of India Standards(TEC / MeitY / BIS / STQC standards etc as applicable). The contractor has to conduct a detailed on-site assessment to Identify coverage areas and blind spots, assess lighting conditions and camera types required (day/night, IR, wide-angle etc), and also determine cable routes, power points, and mounting surface before the start of the work.

Floor	Connecting Switch Location	Location/Direction	Surveillance	
			Dome	Bullet
Ground floor Exterior	Server Room	Front side/North West		5
	Server Room	Rear side/East		4
	Server Room	Transmission line side/South		4
	Server Room	Car Porch side/North		2
Ground floor Interior	Server Room	Server Room	1	
	Server Room	Lobby	1	
	Server Room	Multi Purpose Hall	1	
	Server Room	Reception	1	

	Server Room	Consultant Work Area	1	
First floor Interior	Communication Room	Admin Wing	3	
	Communication Room	Main Lobby	2	
	Communication Room	DC Wing Lobby	1	
	Communication Room	DC Wing Passage	1	
	Communication Room	Conference Hall	1*	
	Communication Room	Customs Wing	2	
Third floor Interior	Communication Room	UPS Room	2	
		Total	17	15

*The camera proposed to be installed at CSEZ conference hall should have a power OFF/ON switch.

2.4.2 Prepare and submit:

The Camera layout plan, Cable routing plan, System design diagram (network topology, NVR arrangement) has to be prepared and submitted before the actual start of the work.

2.4.3 Equipment Supply

The contractor shall supply the following items:

Sl	Item	Qty	UoM
1	2 Mp camara [Mini Dome Network Cameras have an IR Range of 30m]	15	Nos
2	2 Mp camara [2MP cameras with 50 Mts fixed lens]	2	Nos
3	5 Mp camera [Mini Bullet Network Cameras have an IR Range of 30m]	12	Nos
4	5 Mp camera [Exceptional Color Clarity, Visible Even in Low-light (0.01 lux), with a Powerful 50m IR Range]	3	Nos
5	NVR [36 Channel]	1	Nos
6	9 U RACK	2	Nos
7	Patch Panel	2	Nos
8	Keystone Jack	32	Nos
9	Patch Cord	32	Nos
10	CAT 6 cable	1525	M
11	Edge Switch - PoE	2	Nos
12	RJ 45 connecter	32	Nos
13	Pipe and Accessories	800	M
14	Camera Pole	12	Nos
15	TV 55 inch	3	Nos

16	TV 21 inch	1	Nos
17	10 TB hard disk	2	Nos
18	HDMI	4	Nos
19	Documentation(optional)	1	NOS
20	Data Server	1	Nos
21	VMS License(Lot of 10)	2	Nos
22	Consumables	1	LS

Specification of the items is mentioned in Annexure- I

2.4.4 Installation Works

- a. Camera Installation: Mount cameras at designated locations ensuring Proper field of view. The installation should be stable and secure. Protection from weather (for outdoor units) has to be ensured. The camera has to be installed at appropriate height and angle to optimize coverage.
- b. Cabling & Routing:- Install structured cabling (Cat6+ power) as required. Use of conduits, cable trays, trunking, or surface-mount channels etc at appropriate positions. All cables are to be labelled for future maintenance. Ensure cables are neatly secured and comply with safety standards.
- c. Power Management:- Install PoE switches inside the racks at designated location, ensure surge protection and grounding is there for the switches. Verify stable power outputs are delivered to the cameras.
- d. Network Setup :- Configure PoE switches and network infrastructure. Assign IP addresses and integrate with local network(as required),ensure bandwidth optimization and VLAN separation (if required).
- e. NVR/DVR Installation Install and mount the NVR in a secure location (rack, cabinet, or control room). Install and configure surveillance-grade hard drives. Connect all cameras to the recorder.
- f. Configure storage retention periods.
- g. Monitoring Station:-Set up monitors in control rooms or viewing areas(Server Room and Security Desk). Install video management software (as applicable) and Configure multi-view layouts.
- h. Configuration & Integration:- Camera settings such as resolution, frame rate, motion detection, night vision etc has to be configured. Configure NVR recording schedules and storage allocations. Enable alerts, analytics, and smart features (as supported) such as Motion detection, Intrusion zones, line crossing, Facial recognition / people counting (if applicable).
- i. Installation/Configuration of Data Server and VMS software
- j. Set up remote access via Mobile app, Web interface, Client software also ensure secure access with passwords, user roles, and encryption, dual access controls.
- k. Testing & Commissioning :- The contractor has to perform: The Functional testing of each camera, checking video quality (day,night,sunlight,rain). verification of recording and playback capability, testing remote access (mobile and desktop).testing of motion detection and smart features(as applicable). verification of storage retention period.
- l. Commissioning report has to be submitted including Camera test results, Network and system configuration details, As-built drawings and updated cable layout.
- m. Training is to be provided to the staff on system operation, live monitoring, playback and archiving, user management and basic troubleshooting.
- n. Deliver training materials and user manuals.
- o. Documentation has to be handover upon completion of the project includes as-built drawings, Camera layout map, Cable routing diagram, User manuals and product datasheets along with warranty certificates has to be provided. The router/switch/camera configuration backup files has to be submitted along with final completion report.

- p. Warranty & Support :- The contractor shall Provide standard manufacturer warranty for all equipment also provide installation workmanship warranty (12 months from date of commissioning).Preventive maintenance should include On-call support. Annual system health check and should offer annual maintenance packages:
- q. Any holes drilled or made for laying/routing of cables has to be sealed with mortar to prevent rodent entry points.
- r. Exclusions in the Scope of work excludes: Civil works (unless specifically included). Electrical infrastructure upgrades. Network upgrades outside CCTV requirements. Internet service provision. Additional equipment not listed in the BOM.
- s. This office will provides access to all required areas for the completion of the work and Power supply where ever needed. The Work has to be performed during non business hours only.
- t. Scope of the work also includes: Maintenance & Support Services which includes Preventive maintenance (quarterly),Corrective maintenance for troubleshooting and fault repair if any, Remote and onsite technical support as required, Firmware updates and system configuration optimization as required and replacement of faulty equipment under warranty terms for a period of one year from the date of commissioning of the project.

2.4.5 Post Installation Warranty Coverage:

From the date of commissioning of the project the system will be under warranty for a period of one year during which the contractor has to conduct scheduled preventive maintenance which includes, Inspection and cleaning of all cameras, verification of video quality, checking storage capacity and HDD health, test and update firmware and software, inspect cabling, connectors, power supplies, test camera functions, ensure remote access functionalities etc.

The time frame for incident responding by the contractor during the warranty period

Severity Level	Description	Response Time	Resolution Time
Critical -P1	Entire CCTV system down / critical security risk (no recording, control room offline etc.)	1–2 hours	4–8 hours
High -P2	Multiple cameras offline, major functional loss	4 hours	12–24 hours
Medium -P3	Single camera failure, minor issues not affecting security	1 business day	2–3 business days
Low- P4	Cosmetic issues, firmware updates, minor inconveniences	2 business days	5 business days

The contractor shall perform installation and maintenance in accordance with industry standards and Government of India norms. The contractor must employ qualified personnel on its payroll and maintain the requisite tools. Configuration backups of the NVR, cameras, and switches must be shared with this office. Data privacy must be observed in all respects. Sufficient spare-part inventory shall be maintained to ensure timely supply or replacement during the warranty period. After every service, a detailed report shall be submitted to this office.

2.4.6 Semi Comprehensive AMC

A Semi-Comprehensive Annual Maintenance Contract (AMC) for CCTV is to be provided from the Second year and covered till the end of third year by the contractor. The AMC agreement shall covers regular maintenance, inspection, and repair services, along with limited replacement of basic consumable items. This AMC is so as to ensure that the CCTV surveillance system operates smoothly throughout the year.

Under this AMC, the Contractor shall perform periodic preventive maintenance, handle breakdown calls, and ensures the overall health of the CCTV network. Replacement of minor components such as connectors, basic adapters, and cable terminations etc at no extra cost. However, the major hardware components like cameras, DVR/NVR, SMPS, hard disks, and

new cabling are not included which are billed separately whenever required with the consultation with CSEZ.

The Semi-Comprehensive AMC work shall cover: Quarterly/Monthly Preventive Maintenance Cleaning of cameras, DVR/NVR, checking recording, playback, cable integrity, and overall system performance. Unlimited Breakdown Support shall be provided as time frames mentioned in para 2.4.5(above). Technicians shall attend faults without labour charges, replacement of consumables includes connectors, pins, RJ45 connectors, minor re-crimping, and replacement of basic adapters etc. The Semi-Comprehensive AMC shall also cover system health check which covers verifying storage status, camera clarity, IR performance, power supply, and network connectivity.

Service-Only Coverage applicable for main equipment such as CCTV Cameras , NVR, Hard Disks, PoE Switch, Monitor, Data Server etc. These major components are only serviced but not replaced at free of cost, but these Items are Serviced & maintained on every visits which includes cleaning and inspection of cameras, basic cable/connector fixes, Checking and tuning NVR, Data server, VMS & storage, Power supply testing, Network/PoE basic checks, Minor alignment of cameras etc.

The Items not included for replacement in AMC of CCTV Cameras are NVR, Hard Disks, SMPS / PoE Switch, Monitor , Major rewiring or new cabling, Damage due to fire, water, lightning, or mishandling, Upgrades or expansions as required.

2.5 Declaration

A declaration may be submitted in the following format.

DECLARATION

I/We have completely read and hereby accept the scope of work, requirements, terms & conditions, post warranty, Settlement & Disputes conditions.

Signature of bidders' authorized representative with seal:
Full address:

2.6 Settlement of Disputes & Arbitration

Any dispute, controversy, or claims arising out of or relating to this Agreement or the breach, termination, or invalidity thereof, shall be settled through the following mechanism:

Firstly, the aggrieved party shall write a letter to the other party detailing its grievances and calling upon the other party to amicably resolve the dispute by convening a joint meeting. Accordingly, the parties as per their convenience shall jointly convene the said meeting (s), wherein minutes of the said meeting(s) shall be prepared and countersigned by all the parties. It is mandatory to prepare minutes of meeting(s) and to be countersigned by all the parties, irrespective of the outcome of the said meeting(s).

In the event, the parties are unable to reach on any settlement in the said meeting (s), then the aggrieved party shall mandatory resort to Pre-litigation mediation mechanism with Kerala High Court Mediation Cell, Ernakulam.

It is only upon failure of the Pre-litigation mediation mechanism with Kerala High Court Mediation Cell, and then the aggrieved party shall resort to resolution of disputes through arbitration of a Sole Arbitrator. The appointing authority of sole Arbitrator is Office of the Development Commissioner, CSEZ, to which neither of the parties have any objection nor they shall ever object.

Subject to the parties agreeing otherwise, the arbitration proceedings shall be conducted in accordance with the provisions of the Indian Arbitration and Conciliation Act, 1996 (amended as on date).

The Contract and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the laws of India and the Parties submit to sole & exclusive jurisdiction of Courts at New Delhi.

2.7 Liquidated Damages for delays and Penalties

If the successful bidder fails to Supply the items in time, the agency shall pay liquidated damages to CSEZ at the rate of the 0.5 % of contract value for per week of delay or part thereof subject to maximum of 5% of the contract value. CSEZ may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the agency. The payment or deduction of such damages shall not relieve the agency from his obligation to complete the Works, or from any other of his obligations and liabilities under the contract.

PART - III **FORM-1**

ORGANISATION DETAILS

Sl.No.	Particulars	Details Submitted by Bidder
1.	Name & address of the Bidder	
2.	Telephone no./Mobile No./Telex no./Fax no.	
3.	Email id for communication	
4.	Legal status of the bidder (attach copies of original document defining the legal status) (a) A proprietary firm (b) A firm in partnership (c) A limited company or Corporation	
	Particulars of registration with various Government Bodies (attach attested photocopy)	
5.	Organization/Place of Registration 1. 2.	Registration No.
6.	Names and titles of Directors & Officers with designation to be concerned with this work along with their contact number and Email id	

7.	Designation of individuals authorized to act for the organization	
8.	Has the bidder, or any constituent partner in case of partnership firm Limited Company/ Joint Venture, ever been convicted by the court of law? If so, give details.	
9.	Bank Details Name of the Bank: Address of the Branch: Account Number: RTGS IFSC Code:	

Signature of Bidder(s)

Technical Bid Format**FORM- 2**

1. Details of the similar project done during the past 5 years

Sl. No.	Name of Work/Project	Name and contact details of client	Technology Used	Cost of project (Rs. in lakhs)
1				
2				
3				
4				
5				

2. Details of Government Clients/Projects(if any)

Sl. No.	Name of Work/Project	Name and contact details of client	Technology Used	Cost of project (Rs. in lakhs)
1				
2				
3				
4				
5				

3. Supporting Documents/relevant document is to be furnished for Sl No. 3 to 16

1	Documents showing Average Annual financial turnover [at least 7 lakhs during any three of the financial years] and not a loss-making firm for the three Financial years	
2	Certified financial Statement	
3	Audited Balance Sheets Certificate duly audited by CA or ITR statement for Proprietary ship firms	
4	Bidder should have registered office in Kerala and a local office at Ernakulam District of Kerala State against which documentary proof needs to be submitted for qualifying the bid.	
5	GST Registration of the vendor should be from the State of Kerala. (GSTIN beginning with the numerals 32)	

6	Self certificate of the bidder has not been debarred/blacklisted by any reputed Government/Semi- Government organization for the quality of services/product and that there is no major complaint against the quality of service/products by any organization.	
7	Certificate of Original Equipment Manufacturer (OEM) or Authorized System Integrator Partner having Direct Purchase and Support Agreement with the OEM. In case the Bidder is a System Integration Partner of the Principal Manufacturer, Certificate from the Principal Manufacturer clearly stating the relationship with the Partner and authorization to the Partner to quote for this specific Bid is to be furnished. And Manufacturer's Authorization Format (MAF), specific to this Tender from Original Equipment Manufacturer	
8	Details of 01 qualified Engineer and 02 Technician in the Surveillance Camera installation Networking domain	
9	Proof of details of Service Centre in Ernakulam district	
10	Site inspection certificate	
11	Video Capture image samples of the cameras proposed by the bidder. The capture image samples in Day, night , Rainy condition..(Color print)	

Note:

- The Firm should provide details of only those assignments that have been completed successfully by own firm.
- Use separate sheet for each Eligible Assignment
- Satisfactory completion certificate from client should be enclosed.

ANNEXURE-III

(Form-3)

Further Information of projects mentioned in Form-1 above

Name of Client (End User):	
Name of the Work :	
Nature of Work:	
Description of services Performed by the company:	
Project Location:	
Name ,e-mail ID, telephone no. And fax no. Of client's representative:	
Project Cost(Rs. in lakhs)	
Start date and finish date of The services(month and year):	
Brief description of the Work:	

Signature of Bidder(s)

Note:

- The Firm should provide details of only those assignments that have been completed successfully by own firm.
- Use separate sheet for each Eligible Assignment
- Satisfactory completion certificate from client should be enclosed.

FORM-4

Statement of Annual Turn Over

Sl. No.	Financial Year	Annual Turnover (` in Lakhs)
1		
2		
3		
4		

Signature of Bidder(s)

Note:

- Please do not attach any printed Annual Financial Statement.
- This form should be duly signed by the auditor of the company with his registration number
- Attach audited Profit and Loss Account, Balance sheet for 2021-22, 2022-23, and 2023-24.

FINANCIAL BID
To be Submitted in a Separate Sealed Cover

Financial Bid Format

FORM-5
(In the letter head of the firm)

BILL OF QUANTITY

Part-I : Supply

Sl	Item	Qty	UoM	Unit Price	TOTAL
1	2 Mp camera [Mini Dome Network Cameras have an IR Range of 30m]	15	Nos		
2	2 Mp camera [2MP cameras with 50 Mts fixed lens]	2	Nos		
3	5 Mp camera [Mini Bullet Network Cameras have an IR Range of 30m]	12	Nos		
4	5 Mp camera [Exceptional Color Clarity, Visible Even in Low-light (0.01 lux), with a Powerful 50m IR Range]	3	Nos		
5	NVR [36 Channel]	1	Nos		
6	9 U RACK	2	Nos		
7	Patch Panel	2	Nos		
8	Keystone Jack	32	Nos		
9	Patch Cord	32	Nos		
10	CAT 6 cable	1525	M		
11	Edge Switch - PoE	2	Nos		
12	RJ 45 connecter	32	Nos		
13	Pipe and Accessories	800	M		
14	Camera Pole	12	Nos		
15	TV 55 inch	3	Nos		
16	TV 21 inch	1	Nos		
17	10 TB hard disk	2	Nos		
18	HDMI	4	Nos		
19	Documentation	1	NOS		
20	Data Server	1	Nos		
21	VMS License(Lot of 10)	2	Nos		
22	Consumables	1	LS		

PART- II LAYING / INSTALLATION CHARGES

Sl	Item	Qty	UoM	Installation/configuration Charges	Total
1	Camera Installation and configuration charges	32	Nos		
4	NVR Configuration and installation	1	Nos		
5	Rack installation charge	2	Nos		
6	Patch Panel installation	2	Nos		
7	Keystone Jack installation	32	Nos		
8	Patch Cord fixing and dressing	32	Nos		
9	Laying of CAT 6 cable	1525	M		
10	Installation and configuration of Switch	2	Nos		
11	RJ 45 crimping charges	32	Nos		
12	Laying of Pipe and Accessories	800	M		
13	Affixing of Camera Pole	12	Nos		
14	55 inch	3	Nos		
15	TV installation charge 21 inch	1	Nos		
16	Hard disk installation	2	Nos		
17	HDMI cable laying	2	Nos		
18	UPS Installation	2	NOS		
19	Data Server	1	NOS		
20	VMS License(Lot of 10)	2	NOS		
21	Consumables	1	LS		
22	Miscellaneous	1	LS		

PART- III

AMC CHARGES FOR SECOND AND THIRD YEAR

Sr. No	Description	Qty	Unit	Rate (₹)	GST (₹)	Amount (₹)
1	Quarterly Preventive Maintenance Visits	4	Visit/Year			
2	Breakdown / Emergency Service Visits (Unlimited)	1	Lot			
3	Cleaning & inspection of CCTV cameras	All	Job			
4	Minor cable/connector repairs	All	Job			
5	NVR tuning & settings optimization	All	Job			
6	Data server, VMS & storage health check	1	Job			
7	Power supply testing	All	Job			
8	Basic Network/PoE Switch testing	All	Job			

9	Minor alignment of cameras	As required	Job		
10	Service Report submission	4	Reports		
	TOTAL				

TOTAL

AMOUNT -PART I	Rs.
AMOUNT -PART II	Rs.
TOTAL	Rs.
(Rupees.....in Words.....)	

Signature of the authorized representative :

Name and designation :

Name of the agency :

Contact details

(a) Communication address:

(b) E-mail IDs :

(b) Contact No.

Note:-

1. The Quoted amount should be Inclusive of GST.
2. The rate quoted shall included all costs associated with the work including loading unloading, waste removal, any out of pocket / mobilization expenses, indirect Taxes/Cess, if any applicable as per Govt. terms, to be paid by the Supplier.
3. Rates quoted shall be fixed for the entire project execution period.

ANNEXURE-I

Specification of Items

1. 2MP fixed Dome Camera

2 MP fixed Dome Camera		
S. No	Parameter	Specifications
1	Image Sensor	1/2.8" Progressive Scan, Backlight illuminated CMOS Sensor Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder
2	Maximum resolution	2 MP (1920 x 1080)
3	Lens Type	3.6 mm
4	FOV	HFOV - 87.5° VFOV - 44.4° DFOV - 104.9°
5	Aperture (F#)	F1.6
6	Iris	Fixed
7	Shutter speed	1/15s-1/100000s
8	Minimum Illumination	Color - 0.01 Lux @ (F1.2 AGC ON) Monochrome - 0 Lux
9	Day/Night Camera Switching	Automatic/ Manual/ schedule
10	Built in IR irradiance up to	50 m
11	Noise Reduction	2 DNR, 3 DNR
12	Adaptive streaming	Should reduce the FPS and Bit rate during no activity period.
13	Signal to Noise Ratio (SNR)	≥70 dB
14	Back light Compensation (BLC)	Supported
15	Wide Dynamic Range (WDR)	120 dB True WDR
16	VCA	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion,
17	Events and actions	Audio Exception, IP conflict, Network Disconnect, Storage Full, Time Trigger, E-mail, SMS, TCP notification
18	Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure /White balance
19	ONVIF Compliance	Profile S & Profile G The IP Camera make, and model shall appear on the ONVIF Conformant products List
20	Unicasting/ Multicasting	Supported
21	Auto initiation	The camera shall connect to the Video Management Software (VMS) or Network Video recorder (NVR) of same brand without any need of Static IP to the Camera in LAN as well as WAN.
22	ROI	Supported
23	Privacy masking	Up to 3 Zone programmable
24	AWB	Supported
25	Network Failure recording	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores (if VMS belongs to same brand)

26	MAC Address	The Mac Address of the Camera shall be registered in the name of the OEM.
Video		
27	Supported Resolutions	1920 x 1080, 720p,D1,2CIF,CIF,VGA
28	No of Stream Profiles	4
29	Video Compression	H.265 H.264 MJPEG
30	Frame Rate (FPS)	1 to 30
31	Video Standard	PAL
32	Number of Streaming profiles support	Four profiles support Profile 1:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps(H.265/H.264) Profile 2:- D1/2CIF/CIF/QCIF up to 30fps(H.265/H.264) Profile 3:- 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps(MJPEG) Profile 4:- 720p/D1/2CIF/CIF/QCIF up to 30 fps(H.265/H.264/MJPEG)
33	Bitrate	128 kbps- 8 Mbps
34	Edge Storage	SD Card - 512 GB & NAS
35	Bitrate Type	CBR, VBR
Network		
36	Ethernet	10Base-T/100BaseTX Ethernet (RJ-45)
37	Network protocols	TCP/IP, HTTP, HTTPS, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, TLS/SSL, FTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP, UPnP, Bonjour
Audio & Alarm		
38	Audio Input/ Output	1 Audio In,1 Audio Out
39	Audio Compression	Two Way Audio Full Duplex with G711 and G726 compression
40	Alarm input/output	1 Alarm IN, 1 Alarm Out
General		
41	Regulatory Approvals/ Certifications:	CE, FCC, EN/IEC, IP67, IK10,BIS,UL. Note: All the reports and certificates shall be from a NABL accredited Lab
42	Power	POE (802.3af/at), 12 V 2A
43	Operating Temperature	-30°C- +50°C
44	Storage Temperature	-30°C- +50°C
45	Operating Humidity	90% or less

2. 5 MP fixed Bullet Camera		
S. No	Parameter	Specifications
1	Image Sensor	½.8" Progressive Scan, Backlight illuminated CMOS Sensor Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder
2	Maximum resolution	5 MP (2592 x 1944)
3	Lens Type	4.0 mm
4	FOV	HFOV* - 87.6° VFOV*- 46.4° DFOV* - 104.5°
5	Aperture (F#)	F1.6
6	Iris	Fixed
7	Shutter speed	1/15s-1/100000s
8	Minimum Illumination	Color - 0.01 Lux @ (F1.2 AGC ON) Monochrome - 0 Lux
9	Day/Night Camera Switching	Automatic/ Manual/ schedule
10	Built in IR irradiance up to	50 m
11	Noise Reduction	2 DNR, 3 DNR
12	Adaptive streaming	Should reduce the FPS and Bit rate during no activity period.
13	Signal to Noise Ratio (SNR)	≥70 dB
14	Back light Compensation (BLC)	Supported
15	Wide Dynamic Range (WDR)	120 dB True WDR
16	VCA	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion,
17	Events and actions	Audio Exception, IP conflict, Network Disconnect, Storage Full, Time Trigger, E-mail, SMS, TCP notification
18	Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/White balance
19	ONVIF Compliance	Profile S & Profile G The IP Camera make, and model shall appear on the ONVIF Conformant products List
20	Unicasting/ Multicasting	Supported
21	Auto initiation	The camera shall connect to the Video Management Software (VMS) or Network Video recorder (NVR) of same brand without any need of Static IP to the Camera in LAN as well as WAN.
22	ROI	Supported
23	Privacy masking	Up to 8 Zone programmable
24	AWB	Supported
25	Network Failure recording	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores (if VMS belongs to same brand)
26	MAC Address	The Mac Address of the Camera shall be registered in the name of the OEM.
Video		
27	Supported Resolutions	2595 X 1944,2592 X 1520,2048 X 1536, 1920 X 1080,720p,D1,2CIF,CIF,VGA
28	No of Stream Profiles	4

29	Video Compression	H.265 H.264 MJPEG
30	Frame Rate (FPS)	1 to 30
31	Video Standard	PAL
32	Number of Streaming profiles support	Four profiles support Profile 1: Mainstream - 2592*1944@ 30fps (H.265/ H.264) Profile 2: Substream - D1@30fps (H.265/ H.264) Profile 3: MJPEG - 2048*1536@8fps (MJPEG) Profile 4:1920*1080@30fps (H.265/H.264/MJPEG)
33	Bitrate	128 kbps- 16 Mbps
34	Edge Storage	SD Card - 512 GB & NAS
35	Bitrate Type	CBR, VBR
Network		
36	Ethernet	10Base-T/100BaseTX Ethernet (RJ-45)
37	Network protocols	TCP/IP, HTTP, HTTPS, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, TLS/SSL, FTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP, UPnP, Bonjour
Audio & Alarm		
38	Audio Input/ Output	1 Audio In, 1 Audio Out
39	Audio Compression	Two Way Audio Full Duplex with G711 and G726 compression
40	Alarm input/output	1 Alarm IN, 1 Alarm Out
General		
41	Regulatory Approvals/ Certifications:	CE, FCC, EN/IEC, IP66, IP67, BIS, UL Note: All the reports and certificates shall be from a NABL accredited Lab
42	Power	POE (802.3af/at), 12 V 2A
43	Operating Temperature	-30°C- +60°C
44	Storage Temperature	-30°C- +60°C
45	Operating Humidity	90% or less

3. 2 MP Fixed Bullet Camera

S. No	Parameter	Specifications
1	Image Sensor	1/2.8" Progressive Scan, Backlight illuminated CMOS Sensor Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder
2	Maximum Resolution	2 MP (1920 x 1080)
3	Lens Type	3.6 mm fixed lens
4	FOV	HFOV - 87.5° VFOV - 44.4° DFOV - 104.9°
5	Aperture (F#)	F 1.6
6	Iris	Fixed iris
7	Shutter speed	1/15s-1/100000s
8	Minimum Illumination	Colour - 0.01 Lux @ (F1.2 AGC ON) Monochrome - 0 Lux
9	Day/Night Camera Switching	Automatic/ Manual/ schedule
10	Built-in IR irradiance up to	30 m
11	Noise Reduction	2 DNR, 3 DNR
12	Adaptive streaming	Should reduce the FPS and Bitrate during no activity period.
13	Signal to Noise Ratio (SNR)	≥70 dB
14	Backlight Compensation (BLC)	Supported
15	Wide Dynamic Range (WDR)	120 dB True WDR
16	VCA	Motion detection, View Tamper Detection, Tripwire Detection, object Intrusion
17	Events and actions	IP conflict, Network Disconnect, Storage Full, Time Trigger, Email, SMS, TCP notification
18	Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ White balance
19	ONVIF Compliance	Profile S & Profile G The IP Camera make, and model shall appear on the ONVIF Conformant Products List
20	Unicasting/ Multicasting	Supported
21	Auto initiation	The camera shall connect to the Video Management Software (VMS) or Network Video recorder (NVR) of the same brand without any need of Static IP to the Camera in LAN as well as WAN.
22	ROI	Supported
23	Privacy masking	Up to 3 Zone programmable
24	AWB	Supported
25	Network Failure recording	In case of Network failure, the Camera shall start recording on NAS, which can be retrieved back when the network connectivity restores (If VMS belongs to the same brand)
26	MAC Address	The Mac Address of the Camera shall be registered in the name of the OEM.

Video		
27	Supported Resolutions	1920 x 1080, 720p,D1,2CIF,CIF,VGA
28	No of Stream Profiles	4
29	Video Compression	H.265 H.264 MJPEG
30	Frame Rate (FPS)	1 to 30
31	Video Standard	PAL
32	Number of Streaming profiles support	Four streams support Profile 1:- 1080p(2MP)/720p/D1/2CIF/CIF upto 30 fps(H.265/H.264) Profile 2:- D1/2CIF/CIF upto 30fps(H.265/H.264) Profile 3:- 1080p(2MP)/720p/D1/2CIF/CIF upto 5 fps(MJPEG) Profile 4:- 720p/D1/2CIF/CIF upto 30 fps(H.265/H.264/MJPEG)
33	Bitrate	128 kbps-8 Mbps
34	Edge Storage	NAS
35	Bitrate Type	CBR, VBR
Network		
36	Ethernet	10Base-T/100BaseTX Ethernet (RJ-45)
37	Network protocols	TCP/IP, HTTP, HTTPs, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, TLS/SSL, FTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP, UPnP, Bonjour
General		
38	Regulatory Approvals/ Certifications:	CE, FCC, IP67, BIS, EN/IEC Note: All the reports and certificates shall be from a NABL accredited Lab
39	Power	POE (802.3af/at), 12 V 2A
40	Operating Temperature	-30°C- +60°C
41	Storage Temperature	-30°C- +60°C
42	Operating Humidity	90% or less

4. 5 MP Fixed Bullet Camera

S. No	Parameter	Specifications
1	Image Sensor	1/2.8" Progressive Scan, Backlight illuminated CMOS Sensor Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder
2	Maximum Resolution	5 MP (2592 x 1944)
3	Lens Type	4.0mm fixed lens
4	FOV	HFOV* - 87.6° VFOV*- 46.4° DFOV* - 104.5°
5	Aperture (F#)	F 1.6
6	Iris	Fixed iris
7	Shutter speed	1/15s-1/100000s
8	Minimum Illumination	Colour - 0.01 Lux @ (F1.2 AGC ON) Monochrome - 0 Lux
9	Day/Night Camera Switching	Automatic/ Manual/ schedule
10	Built in IR irradiance up to	30 m
11	Noise Reduction	2 DNR, 3 DNR
12	Adaptive streaming	Should reduce the FPS and Bitrate during no activity period.
13	Signal to Noise Ratio (SNR)	≥70 dB
14	Back light Compensation (BLC)	Supported
15	Wide Dynamic Range (WDR)	120 dB True WDR
16	VCA	Motion detection, View Tamper Detection, Tripwire detection, object Intrusion
17	Events and actions	Audio Exception, IP conflict, Network Disconnect, Storage Full, Time Trigger, E-mail, SMS, TCP notification
18	Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ White balance
19	ONVIF Compliance	Profile S & Profile G The IP Camera make, and model shall appear on the ONVIF Conformant products List
20	Unicasting/ Multicasting	Supported
21	Auto initiation	The camera shall connect to the Video Management Software (VMS) or Network Video recorder (NVR) of same brand without any need of Static IP to the Camera in LAN as well as WAN.
22	ROI	Supported
23	Privacy masking	Up to 8 Zone programmable
24	AWB	Supported
25	Network Failure recording	In case of Network failure, the Camera shall start recording on NAS, which can be retrieved back when the network connectivity restores (If VMS belongs to the same brand)
26	MAC Address	The Mac Address of the Camera shall be registered in the name of the OEM.
Video		

27	Supported Resolutions	2593 X 1944,2592 X 1520,2048 X 1536, 1920 X 1080,720p,D1,2CIF,VGA,CIF
28	No of Stream Profiles	4
29	Video Compression	H.265 H.264 MJPEG
30	Frame Rate (FPS)	1 to 30
31	Video Standard	PAL
32	Number of Streaming profiles support	Four streams support Profile 1: 2592 x 1944 @30fps (H.264/H.265) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 2048x1536 @8fps (MJPEG) Profile 4: 1920 x 1080 @30fps (H.265/ H.264/ MJPEG)
33	Bitrate	128 kbps-16 Mbps
34	Edge Storage	SD Card - 512 GB & NAS
35	Bitrate Type	CBR, VBR
Network		
36	Ethernet	10Base-T/100BaseTX Ethernet (RJ-45)
37	Network protocols	TCP/IP, HTTP, HTTPs, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, TLS/SSL, FTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP, UPnP, Bonjour
Audio		
38	Audio Input/ Output	1 Audio In,1 Audio Out
39	Audio Compression	Two Way Audio Full Duplex with G711 and G726 compression
General		
40	Regulatory Approvals/ Certifications:	CE, FCC, IP67,BIS, EN/IEC Note: All the reports and certificates shall be from a NABL accredited Lab
41	Power	POE (802.3af/at), 12 V 2A
42	Operating Temperature	-30°C- +60°C
43	Storage Temperature	-30°C- +60°C
44	Operating Humidity	90% or less

5. **32 Channel NVR with 4 SATA slots.**

32 Channel NVR with 4 SATA slots.	
SYSTEM	
Control Mode	Desktop Client, Mobile Client, and Local client (Through HDMI)
OS	Embedded Linux
Processor	ARM cortex- Quad Core
VIDEO AND AUDIO	
Video-Input	32 IP channels
Video Output	HDMI (2.0) – 1 Port (Main)
Video Compression	H.265/H.264/ Motion JPEG
Audio input	1 Channel, RCA Port
Audio Output	1 Channel, RCA Port
Audio Compression	G.711u
Two-way Audio	Required
DISPLAY	
Recording Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 2MP, 720p, D1, CIF
Decoding Resolution (on local display)	Up to 4K
Split (Through LAN/HDMI)	1x1, 2x2, 3x3, 4x4, 1+5, 1+7, 3+4, 2+8, 1+12, 1@+12, 1+9, 4+9, 2+12, 5x5, 6x6, 8x8 and Sequential
Digital Zoom	Both Live view and Playback
OSD	Channel Number, Name, Bitrate, video loss
Snapshot Format	JPEG
Recording type	Continuous, Scheduled, Manual, Alarm
Bandwidth Optimization	Yes
PLAYBACK AND BACKUP	
Synchronous Playback	4 channels @ 1080P (via Desktop client), 16 channels @ 1080P (via HDMI)
Search Mode	Date & Time, Camera, Recording Type, Recording Drive
Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame
Backup	Manual Backup & Scheduled Backup
Configuration Backup	Required
Remote Operations	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade
VIDEO DETECTION AND ALARMS	
Camera events	Motion Detection, Recording Start, Recording Fail, Camera offline, Camera online
System events	Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail
Actions	Recording on Selected Channel, Upload Images on FTP/Email server, Email Notification with Snapshot, TCP Notification, Recall PTZ Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification
DEVICE STATUS	
Camera status, Manual recording, Scheduled recording, Alarm	Required

recording, Adaptive recording	
FPS and GOP count	Required
Motion detection, View tampering, Tripwire, Object intrusion, Missing Object, Suspicious Object, Loitering Detection, Audio Exception, Object Counting	Required
CPU usage display	Required
CPU temperature display	Required
Thermal shutdown	Required
STORAGE	
SATA Interface	4 SATA III (10TB per port)
NAS	2 NAS (CIFS, NFS)
RAID	RAID-0, RAID-1, RAID-5, RAID-10
Recording Retention	Camera-wise, HDD usage % wise, Day wise
NETWORK	
Incoming Bandwidth	256 Mbps
Outgoing Bandwidth	256 Mbps
Maximum User	128 Programmable
Simultaneous login	9
Network Protocols	TCP/IP, DHCP, PPPOE, DNS, DynDNS, FTP, SMTP, NTP, RTP/RTSP, CIFS/NFS
INTERFACES	
Audio Input	1 Channel, RCA Port (1V _{RMS})
Audio Output	1 Channel, RCA Port (0.5V _{RMS})
Alarm Input	2 Ports (Max. load resistance: 4.7 KΩ)
Alarm Output	1 Port (Max load power: <50VA, Max load current: <1A)
Network Interface	2 Ports x Ethernet (RJ-45) 10/100/1000Mbps
USB	3 ports (2 x USB 2.0, 1x USB 3.0)
Number of SATA Interface	4 Ports (SATA III)
HDD size	10 TB HDD support (with 6Gb/s speed)
HDMI	HDMI (2.0) – 1 Port (Main)
Reset Switch (Network, User account, and General settings)	Required
Buzzer	Required
CERTIFICATION	
Regulatory Approvals/ Certifications	FCC (FCC Part 15 Subpart B Class A), ROHS, BIS, CE,EN/IEC
ELECTRICAL AND MECHANICAL	
Operating temperature	0°C to +50°C (32°F to 122°F)
Humidity range	5% to 95% RH Non-Condensing
Chassis	19" inch Rackmount
Power input	SMPS (100-240-volt AC)
Power consumption (without Harddisk)	≤60W

Sl. No.	Item	Specification
6	9 U RACK	9U - 500X450- Wall Mount Rack Construction - All Welded construction, Top and Bottom Cover - Welded to Frame, Vented and Field Cable entry exit cut outs, Front Door - Lockable Toughened Glass Door Finish - Powder Coated, Rack Standard - DIN 41494 or better standard Mounting Angle - 19" Mounting angles made of formed steel, Grounding and Bonding Accessories - Cable Manager, Fan, Hardware mounting kits and any other required accessories
7	Patch Panel	Powder coated steel in 24 port configurations suitable for CAT 5e, CAT 6 and CAT 6A, should support port identification numbers on the panel, with cable management bar support Approved Makes: AMP/Belden/D-Link/Molex/Schneider/Tyco
8	Keystone Jack	Universal labels color coded for T568A/568B, suitable for 23-26 AWG stranded and solid wire, ETL verified unshielded EIA/TIA connecting hardware, Category 6, TIA568 C.2, Contact Bracket - PC, UL 94V-2, Use insulation displacement connectors (IDC), IDC Housing - PC+ Glass Fiber, UL 94V-2, 50 µinches gold on plug contact area, Phosphor bronze with Nickel plated IDC Contact Approved Makes: AMP/Belden/D-Link/Molex/Schneider/Tyco
9	Patch Cord	Category 6 Should comply to TIA/EIA-568-C.2 Standard, 24AWG stranded bare copper conductor, HDPE Insulation, Phosphor bronze Contact with Nickel Plated, 50 µinches gold on plug contact area Approved Makes: AMP/Belden/D-Link/Molex/Schneider/Tyco
10	cat 6 cable	Category 6 Unshielded Twisted Pair 4 pair 305 meters' cable, shall be compliant with ANSI/TIA/EIA-568-C.2 standards, UL Listed and ETL verified, 23 AWG solid bare copper conductor (4 Pair), Frequency tested up to 600MHZ, HDPE Insulation / FR PVC Sheath, operating temperature upto 60°C, Zero-bit error test, UL, ETL verified Approved Makes: AMP/Belden/D-Link/Molex/Schneider/Tyco
11	Edge Switch - PoE	Ports: 24 x RJ-45 autosensing 10/100/1000 Mbps (Gigabit) PoE ports + 4 x SFP+ (1/10 GbE) fiber uplink ports PoE: Class 4 PoE support, delivering up to 30 W per port; total PoE power budget — depending on SKU — typically 195 W (for standard 24-port PoE model) Switching capacity: 128 Gbps Forwarding/Throughput: 95.23 Mpps (million packets per second) MAC address table size: 16,000 entries Jumbo frame support: Up to 9216 bytes Memory / CPU: ARM Cortex-A9 CPU @ 800 MHz; 512 MB SDRAM + 256 MB flash; packet buffer 1.5 MB Management: Smart-managed (Layer 2 / Layer 2+), manage via web GUI, cloud portal (Instant On), SNMP; supports VLANs, QoS, link aggregation, port mirroring, static routing (basic), IPv4/IPv6, ACL, IGMP snooping, DHCP snooping, etc. Physical / Form Factor: 1U rack-mountable; dimensions approx 44.25 x 26.47 x 4.39 cm (17.42"W x 10.42"D x 1.73"H) Power Supply / Input: Internal power supply; input voltage 100–127 V or 200–240 V AC 50/60 Hz Environmental / Operating Conditions: Operating temperature 0 °C – 40 °C (32 °F – 104 °F)
12	Router	Supporting up to 400 concurrent clients High-performance router with 2.5 Gbps throughput for diverse network scenarios Powerful VPN with up to 100 tunnels for branches and remote employees Efficient bandwidth management based on applications and users Multi-WAN, smart load balancing Lifetime* free management on Cloud
13	RJ 45 connecter	TIA/EIA-568-B / TIA-568-C structured cabling standards RoHS compliant ISO/IEC 11801 Class D/Cat5e or Class E/Cat6 (as required) UL-listed or equivalent safety certification
14	pipe and accessorize	ISI-marked rigid PVC conduit pipe Colour: White or Grey
15	camera pole	Pole material: Hot-Dip Galvanized (GI) Steel or Mild Steel (MS) (as per tender requirement). Galvanization thickness: Minimum 70–80 microns (hot-dip). Steel grade: IS 2062 / Fe 410 or equivalent

16	TV 21 inch	Display must have an HDMI-IN port (or VGA-IN, but HDMI is preferred when using NVRs) monitor should support 1920×1080 @ 60 Hz (or at least 720p) output works well with 50–60 Hz refresh (Should provide wall mounting stand)
17	TV 55 inch	Display must have an HDMI-IN port (2Nos Minimum) (or VGA-IN, but HDMI is preferred when using NVRs) monitor should support 1920×1080 @ 60 Hz (or at least 720p) output works well with 50–60 Hz refresh: Connectivity: Wifi and Ethernet :OS: Android (Should provide wall mounting stand)
17	10 TB hard disk	SATA 6 Gb/s interface, 3.5" form factor,
18	HDMI	Full HD (1920 × 1080 @ 50/60 Hz) Compatible with displays ranging from 19-inch to 55-inch
19	UPS	1 kVA / 1000 VA (approx. 0.8 kW) Output power capacity: ≈ 800 Watts Output power capacity: ≈ 800 Watts Output frequency: 50 / 60 Hz ± tolerance
20	Data Server	Processor: Intel Xenon E-2414(4 core ,2.6 Ghz,55W) 32 GB RAM 4800MT/s Embedded 1 Gb 4 Port Ethernet Adapter, Embedded Intel VrOC SATA Software RAID (Supports RAID 0,1,5), 350 W Platinum Series ATX FIO Power, 3 Year Warranty, HDD: 4TB SATA - 7.2K LFF RW MV HDD – 4 Nos

21. VMS SOFTWARE SPECIFICATIONS

It Should be Possible to configure, playback & live streaming of cameras added to other NVR from the main NVR without the need of any server/workstation.

The system should be capable of integrating with IP cameras of any brand which supports ONVIF 2.0 & above or ONVIF S profile.

it should be possible to define a different number of Retention days for individual cameras.

NVR should have a configuration wizard for quick configurations.

NVR should show the estimated number of storage days.

The device must be capable of taking Snapshot with integrated Access control and time attendance system of the same brand in case of user allow/denied events.

Digital Zoom during live view.

The system should be able to take a Snapshot during live view/ playback in JPEG format.

The Device Must Provide Configuration Backup.

It Should Have its Own Free DNS Server.

Video pop-up for both Desktop and Local clients.

3 User Access Levels (Default): Admin, Viewer, and Operator

10,000 Events Log

NVR Should Be Capable of Exporting Files in Native and AVI File Format to FTP and USB.

NVR should have IP Address Filtering to Enhance Security.

System Admin Should Be Capable of Programming PTZ Tour.

Dual Stream Option Should Be Available for Simultaneous Recording and Transmission of Video on The Network Depending on The Bandwidth.

The system should support Daylight Saving Time (DST).

The Device Should Be Designed, Developed, and Manufactured in India.

MOBILE CLIENT

Mobile application should be Provided by The Vendor Free of Cost with the NVR.

It should be possible to see the playback from a mobile client.

The Mobile client Should Have 4 x 4 Layout for Display cameras.

The Mobile client Should Have Digital Zoom functionality.

The Mobile client Should Be Able to Control PTZ Cameras.

The Mobile client Software Should Support Up To 50 NVRs.
Software Should Have Feature to Configure Camera as Favourite Channels.
Mobile Viewer Application Should Function on Android and IOS Based Phones.
Mobile Viewer Application Should Support Calling from Mobile App Feature Where a Mobile Number Can be Added Per Camera in the Device and The User Can Directly Call a Concerned Person by Just One Click on Camera View from Mobile(without any SIM card in NVR)

ANNEXURE – II
FORMAT FOR INTEGRITY PACT

This Integrity Agreement is made at on thisday of 20.....

BETWEEN

Office of the Development Commissioner, Cochin Special Economic Zone, Kakkanad, Ernakulam (Hereinafter referred as the “**Principal/Owner**”, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

(Name and Address of the Individual/firm/Company) through (Hereinafter referred to as the (Details of duly authorized signatory) “**Bidder/Contractor**” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No.) (hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for..... (Name of work) hereinafter referred to as the “Contract”.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

(1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal/Owner shall endeavour to exclude from the process any person, whose conduct in the past has been of biased nature.

(2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

(1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Office of the Development

Commissioner, CSEZ all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

(2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

(a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/ Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

(3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Office of the Development Commissioner, CSEZ interests.

(5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's

absolute right:

- (1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days" notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.
- (2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- (3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- (1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- (3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- (1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors
- (2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- (3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6: Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 24 months after the completion of work under the contract or till the

continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/determined by the Competent Authority, Office of the Development Commissioner.

Article 7: Other Provisions

(1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Principal/Owner, who has floated the Tender.

(2) Changes and supplements need to be made in writing. Side agreements have not been made.

(3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

(4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8: Legal and Prior Rights

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1.
(signature, name and address)

2.
(signature, name and address)

Place

Date:

Annexure III

FORMAT FOR UNDERTAKING REGARDING BLACKLISTING/NON-DEBARMENT

[On the letterhead of the Organization]

Form-6

Name of work: "Notice Inviting Tender For Design And Development Of Website For The Office Of Development Commissioner Cochin SEZ in The Office Of The Development Commissioner, Cochin"

To
The Development Commissioner
Office of the Development Commissioner, CSEZ
CSEZ Admin. Building, Kakkanad,
Cochin, Kerala-682037

This is to certify that we have taken the cognizance of Blacklisting Policy of Government of India Further, we hereby confirm and declare that we, M/s

_____, is not blacklisted/ De-registered/ debarred by any Government Department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/Undertaken the works/Services during the last 5 years.

Yours faithfully,

Date:

(Signature, name and designation
of the Authorized signatory)

Place:

Name and seal of Bidder

ANNEXURE IV

SITE INSPECTION REQUEST

Form-6

Name of work: "Notice Inviting Tender For Supply, Installation, Testing, Commissioning of Surveillance Camera In CSEZ Admin Building"

To
The Development Commissioner
Office of the Development Commissioner, CSEZ
CSEZ Admin. Building, Kakkanad,
Cochin, Kerala--682037

In connection with the work for Supply, Installation, Testing, Commissioning of Surveillance Camera In CSEZ Admin Building we are nominating Shri.... ,..... Designation to visit your office for site inspection and assessment of the work. Id card number of the representative is-----

Yours faithfully,

Date: (Signature, name and designation of the Authorized signatory)

Place:

Name and seal of Bidder

OFFICE USE

The representative of the firm has visited the office of the Development Commissioner on.....

Countersigned by work in charge, Office of Development Commissioner , CSEZ

Seal

ANNEXURE V

Video Capture image samples of the cameras proposed by the bidder.
The capture image samples in Day, night , Rainy condition..(Color print)