

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

**EOI NO: RCIL/NR_RO/EOI/MKTG/2024-25/AIIA-2 DATED
17.03.2025**

Expression of Interest (EOI) for “RailTel’s Empaneled Partners for Selection of Implementation Partner for exclusive PRE-BID TEAMING ARRANGEMENT for “Supply, Installation, Testing, and Commissioning of CCTV Surveillance System and Video Analytics Solutions for Customer of RailTel (COR) on back-to-back basis”.



Issued by:

RailTel Corporation of India Ltd

(A Nav-Ratna PSU under Ministry of Railways)

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Delhi IT Park, Shastri Park, New Delhi-110053

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Disclaimer

RailTel Corporation of India Ltd. (herein after called the RailTel) has prepared this Expression of Interest (EOI) document solely to assist prospective bidders in making their decision of whether bid or not to bid.

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EOI NOTICE

RailTel Corporation of India Limited, Northern Region, 6th Floor, 3rd Block,

Delhi IT Park, Shastri Park, New Delhi-110053

EOI Notice No: RCIL/NR_RO/EOI/MKTG/2024-25/AIIA-2 DATED 17.03.2025.

RailTel Corporation of India Ltd., (here after referred to as “RailTel”) invites EOI for “RailTel’s Empaneled Partners for Selection of Implementation Partner for exclusive PRE-BID TEAMING ARRANGEMENT for “Supply, Installation, Testing, and Commissioning of CCTV Surveillance System and Video Analytics Solutions for Customer of RailTel (COR) on back-to-back basis”.

The details are as under:

SCHEDULE OF EVENTS

Date of EOI Floating	17 th March 2025
Last date for submission of Bids against EOI	20 th March 2025 at 12:00 Hours
Opening of Bids received against EOI	20 th March 2025 at 12:30 Hours
Number of copies to be submitted	Single Stage (Two Packet System)
EOI document cost inclusive tax (non-refundable)	Nil
EOI processing fee inclusive tax (non-refundable)	Rs. 2,950/-
Estimated amount of EOI	Rs.5,20,00,000 /- (Including GST)
EMD*	Rs.19,50,000 / -
Bid Submission Mode	Online on https://railtel.enivida.com

Note: RailTel reserves the right to change the above dates at its discretion.

Earnest Money Deposit (EMD)

Bidder has to submit EMD of Rs. 19,50,000 /- in the form of online bank transfer only through NEFT/RTGS with this EOI.

The EMD should be in the favour of RailTel Corporation of India Limited payable at Delhi through online bank transfer/RTGS / NEFT/BG. Partner needs to share the online payment transfer details like UTR No. date and Bank along with the proposal.

EMD can be submitted in any of the following form:

- **NEFT/ RTGS:** Account Name: RailTel NR Collection Account Bank Name: Union Bank of India Branch Name: Connaught Place Delhi Account Number: 307801010917906 IFSC Code: UBIN0530786 MICR Code: 110026006 or

- ii. Offers not accompanied with EMD shall be summarily rejected.
- iii. The EMD may be forfeited if a bidder withdraws or amends its/his EOI or impairs or derogates from the EOI in any respect within the period of validity of the EOI or in the case of a successful bidder, if the bidder fails to accept the Purchase order/LOA or fails to furnish performance bank guarantee (security deposit).

Eligible Business Associates are required to direct all communications related to this Invitation for EOI document, through the following Nominated Point of Contact persons:

Contact Details for this EOI:

Level:1 Contact: Sh. Akash Barha, AGM/Marketing
Email: akash@railtelindia.com Contact: +91-9717644170

Level:2 Contact: Sh. Pushpender Kumar, GM/Marketing
Email: pushpenderkumar@railtelindia.com Contact: +91-9871146592

/* CoR stands for Customer of RailTel.

Note:

1. The EOI response is invited from eligible Empaneled Partners of RailTel only.
2. All the document must be submitted with proper indexing and page no.
3. Only those bids shall be opened, which have been submitted within the stipulated time as mentioned in this EOI document.
4. Bidder has to agree to comply with all OEM technical & financial documentation including MAF, Technical certificates/others as per end-to-end requirement mentioned in the end customer's RFP enclosed along with this Eoi.
5. Bidder also undertake to submit MAF of major items of the proposed solution and other documents required in the end Customer Organization's tender in favour of RailTel against the proposed products and solutions. The selected BA has to provide MAF from the OEM in the name of RailTel.
6. The selected bidder will have to accept all Terms & Conditions of CoR RFP on back-to-back basis.
7. Only, the eligibility clause/criteria and marks scoring criteria for SI/BA (Prospective BA/SI) as mentioned in CoR's RFP is not applicable on the bidder/BA applying against this EOI. Rest all Terms & Conditions of CoR's RFP floated for pertinent tender will be complied by SI/BA/bidders.
8. However, OEM considered by SI for this project have to mandatorily comply all the eligibility & technical criteria/compliance on back-to-back basis in line with COR RFP and corrigendum(s) issued thereof.
9. No exemption/relaxation is applicable to MSME/Startups.
10. Bidder may submit their response in form of duly signed and stamped and **submit techno-commercial bid at the E-nvida portal through Online mode**, within the stipulated date and time, as mentioned in this EOI document.
11. Only those bids shall be opened, which have been submitted within the stipulated time as mentioned in this EOI document.

1. About RailTel

RailTel Corporation of India Ltd (RailTel) is one of the largest neutral telecom infrastructure providers in the country owning a Pan-India optic fibre network on exclusive Right of Way (ROW) along Railway track. The OFC network presently reaches to over 4500 towns & cities of the country including several rural areas. With its Pan India high-capacity network, RailTel is working towards creating a knowledge society at various fronts. The portfolio of services provided by RailTel includes Data Centre & DR services, Tele-presence as a service, NLD services, IP-1 services, Internet and Broadband services on a pan-India basis.

Equipped with an ISO 9001, 20000-1:2011 & 27000 certification, RailTel offers a wide gamut of managed telecom services to Indian Telecom market including Managed lease lines, Tower colocation, MPLS based IP-VPN, Internet, Data Centre services, NGN based voice carriage services to Telecom Operators, Dark fiber leasing to MSOs/LCOs. The major customer segment for RailTel comprises of Enterprises, Banks, Government Institutions/Department, Educational Institutions/Universities, Telecom Service Providers, Internet Service Providers, MSOs, etc. RailTel being a “Nav-Ratna (Category-I)” PSU is steaming ahead in the enterprise segment with the launch of various services coupled with capacity augmentation in its Core network.

2. Background of EOI

RailTel Corporation of India Ltd (hereafter referred to as ‘RailTel’) an ICT arm of Indian Railways has been in the forefront of building innovative platforms and solutions and vision to build range of Information and Communication Technology (ICT) Services for its customers.

RailTel has participated in CoR Tenders (as per para 3.2) & intends to execute the work “Hiring of Backup Solution Services with three years Support for Customer of RailTel (CoR)” and accordingly seeks to select a suitable partner to execute the works.

The details of pertinent tender are as below:

Tender Title: “Supply, Installation, Testing, and Commissioning of CCTV Surveillance System and Video Analytics Solutions for Customer of RailTel (COR) on back-to-back basis”

RailTel invites EOIs from RailTel’s Empaneled Partners for the selection of suitable partner for execution of above-mentioned work of our prestigious customers on back-to-back basis. The empaneled partner is expected to have excellent execution capability and good understanding of the local environment.

3. Scope of Work

1. “Supply, Installation, Testing, and Commissioning of CCTV Surveillance System and Video Analytics Solutions for Customer of RailTel (COR) on back-to-back basis” *Please refer **Appendix(A)** for CoR tender documents for complete details of Scope of Work and Technical Specifications and Requirement)*

4. Partner Selection: -

Interested partners may note that this is a Single stage single Packet Bid.

4.1 Eligibility Criteria: -

S. No.	Type	Description	Document Required
1	Existence/ Origin	The company must be registered in India.	Certificate of Incorporation
2	General	The company must have: I. a valid PAN card. II. been registered with GST.	I. Copy of PAN Card. II. Copy of GST registration certificate.
3	Turnover	The bidder must have cumulative turnover at least 150% of the EOI value in the last three financial year ending 31st Mar,2024 and up to the date of inviting of EOI.	Audited Balance Sheet/ CA certificate
4	Net Worth	The bidder must have positive net worth in last 3 FY i.e (FY 21-22, FY22-23, FY23-24) ending 31st March 2024.	Audited Balance Sheet/ CA certificate
5	Experience	<p>The bidder must have executed similar work in last 3 years ending last day of month previous to the one in which EOI is invited.</p> <ol style="list-style-type: none">1. One similar work of at least 35 % of estimated value of EOI.OR2. Two similar works of at least 20% of estimated value of EOI.OR3. Three similar works of at least 15% of estimated value of EOI. <p>Definition of similar work: Similar work means SITC of a project in the field of IT / ITeS / ICT / Telecom for any Government department or Public Sector units in last 3 FYs.</p>	<p>Copy of Purchase/ Work Order and completion/ satisfactory performance certificate issued by client.</p> <p>The bidder must provide details of a personnel for verification purpose at PO/ certificate issuing organization clearly mentioning name of client, designation, contact number and mail ID on bidder's letter head.</p> <p>For ongoing works: Ongoing works will be considered for value of executed work (minimum 70% work executed) certified by PO issuing authority / customer mentioning completed work value on the certificate along with satisfactory completion certificate for work completed so far.</p>
6	Empanelment	Bidder must be empaneled with RailTel as business associate.	Copy of Empanelment letter and Empanelment PBG submitted, if any. Confirmation of renewal of empanelment also to be attached if any.

S. No.	Type	Description	Document Required
7	Technical Compliance of the Scope of Work	The Technical Compliance of the Scope of Work must be submitted. However, format may be modified by bidder as per their choice, but item must be marked with OEM Name, MAF provided or not and Data Sheet attached	Bidder has to submit the technical compliance of the scope of work
8	Make and Model	Technical Compliance sheet with make and model	Bidder has to provide the Make and Model for the proposed solution, bid shall be Summarily rejected.
10	Unconditional Acceptance of	Undertaking on letterhead duly signed and stamped by authorised signatory for unconditional Acceptance of the Scope of work and any Other/General Document of CoR Tender RFP along with all the corrigendum and addendum.	Bidder has to submit Undertaking on letterhead duly signed and stamped by authorised signatory for unconditional Acceptance of the Scope of work and any Other/General Document of CoR Tender RFP along with all the corrigendum and addendum.
11	Unconditional acceptance of EOI terms	EOI's unconditional acceptance on company's letter head	Bidder has to submit EOI's unconditional acceptance on company's letter head
12	POA	The bid should be duly signed and submitted by Authorized Signatory. The bidder has to submit notarized of non-judicial stamp paper of appropriate value Power of Attorney having authorized signatory's nomination along with board resolution in favour of power of attorney	Bidder has to submit the Power of Attorney for the authorized person.
13	Annexure – 01	EOI COVER LETTER	Bidder has to submit the EOI Cover letter
14	Annexure – 02	CHECKLIST OF DOCUMENTS FOR BID SUBMISSION	Bidder has to checklist of document submitted along with the bid
15	Annexure – 03	Commercial Bid-	Un price Bid sheet to be provided along with the technical bid
16	Annexure – 04	PROFORMA FOR PERFORMANCE BANK GUARANTEE	Bidder has to submit undertaking to accept the
17	Annexure-05	Non-Disclosure Agreement	Bidder has to submit the signed copy of NDA along with bid
18	Annexure – 06	AFFIDAVIT form	Bidder has to submit notarized affidavit as per the format enclosed along with the bid. If bidder has not submitted the Annexur-06, bid shall be Summarily rejected.

S. No.	Type	Description	Document Required
19	Annexure 07	EMD BANK GUARANTEE FORMAT	Bidder has to submit the EMD payment in the format attached if EMD payment is made through BG.
20	Annexure 08	Non-Blacklisting	Bidder has to submit the Undertaking for Non-Blacklisting
21	Annexure 09	Compliance to GFR	Bidder has to submit the Compliance to GFR
22	Annexure 10	Power of Attorney	Bidder has to submit the Power of Attorney
23	Annexure 11	Local Content Compliance	Bidder has to submit the Local Content Compliance
24	Annexure 12	Manufacturer's Authorization Form	Bidder has to submit the Manufacturer's Authorization Form (MAF)
25	Annexure 13	Integrity pact	Not Applicable
26	EMD payment	EMD payment	Bidder has to submit the proof of EMD payment
27	EOI document cost	EOI document cost	Bidder has to submit the EOI Document fee
28	Land border sharing	Compliance to insertion of Rule 144(xi) in the GFR, 2017 vide office OM no. 6/18/2019-PPD dated 23-July-2020 issued by Ministry of Finance, Government of India, including revisions	Bidder has to submit undertaking.
29	Non- Black Listing	Bidder should not be backlisted by any State / Central Government Ministry / Department / Corporation / Autonomous Body on the last date of submission of EOI	Bidder has to submit and undertaking on letterhead duly signed and stamped by authorized signatory for non black listing.
30	No-arbitration with RailTel	There should not be any ongoing or past, arbitration case(s) between 'RailTel or Organizations under Indian Railways' and 'Interested Bidder' on the last date of submission of EOI	Bidder has to submit and undertaking on letterhead duly signed and stamped by authorized signatory for no ongoing or past, arbitration case(s) between RailTel and bidder

Evaluation of offer

- (a) During evaluation of offer, if required RailTel may ask clarification from the bidder.
- (b) Additional features offered by the bidder, over and above the ones asked for in the tender documents, shall not be considered for evaluation of bids.
- (c) The bidder should make available the offered products, if desired during technical evaluation of offered equipment for testing and benchmarking at any testing facility approved by RailTel.
- (e) Inter se position of the offers will be determined on total cost which will include basic rate, custom

duty, CGST, SGST, IGST, UTGST, freight, insurance and any other charge or cost quoted by the tenderer, including GST payable, on reverse charge by RailTel.

(ii) Compliance Requirements for Interested Bidders: -

- (a) The interested bidder should be an **Empaneled Partner** with RailTel on the last date of bid submission of EOI & has to provide relevant documents to qualify for this EOI.
- (b) The interested bidder should submit **Earnest Money Deposit (EMD)** if applicable, in the format as mentioned in this EOI document along with the bid.
- (c) The Bidder should not be backlisted by any State / Central Government Ministry / Department/ Corporation / Autonomous Body on the last date of submission of EOI. This should be provided on letterhead duly signed and stamped by authorized signatory.
- (d) The bid should be duly signed and submitted by Authorized Signatory. The bidder has to submit notarized of non-judicial stamp paper of appropriate value Power of Attorney having authorized signatory's nomination along with board resolution in favour of **power of attorney**.
- (e) **Undertaking on letterhead duly signed and stamped by authorised signatory** for unconditional Acceptance of the Tender document of CoR and any Other/General Document of CoR Tender RFP along with all the corrigendum and addendum.
- (f) Selected partner should **not submit directly or indirectly any techno-commercial solution/association with any other Organization once selected in this EOI (before and after submission of proposal to prospective customer Organization by RailTel)**.
- (g) The interested bidder should not be seeking / extending / exploring similar arrangements / engagements with any other organization except RailTel.
- (h) Delivery timelines for supply providing end to end services by the selected bidder is as per CoR Terms & conditions.
- (i) Transfer and Sub-letting: The Business Associate has no right to give, bargain, sell, assign or sublet or otherwise dispose-off the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.
- (j) Bidder also undertake to **submit MAF of major items of the proposed solution** and other documents required in the end Customer Organization's tender in favour of RailTel against the proposed products and solutions. The selected BA has to provide MAF from the OEM in the name of RailTel.
- (k) The selected bidder will have to accept all Terms & Conditions of the EOI.
- (l) The bidder has to mandatorily submit notarized Annexure-06 on non-judicial stamp paper of Rs. 100, else bid shall be summarily rejected.**
- (m) The interested bidder should be in compliance to insertion of Rule 144(xi) in the GFR, 2017 vide

office OM no. 6/18/2019-PPD dated 23-July-2020 issued by Ministry of Finance, Government of India, including revisions.

- (n) The interested bidder should **not be backlisted** by any State / Central Government Ministry / Department / Corporation / Autonomous Body on the last date of submission of EOI. There should not be any ongoing or past, arbitration case(s) between 'RailTel or Organizations under Indian Railways' and 'Interested Bidder' on the last date of submission of EOI.
- (o) The interested bidder shall not have a conflict of interest with one or more bidding parties. Participation of interested bidder(s) with a conflict-of-interest situation will result in the disqualification of all bids in which it is involved. A bidder may be in a conflict of interest with one or more parties if including but not limited to: (1) Have controlling shareholders as his/her family members viz. spouse, son, daughter, father, mother or brother etc. in common or; (2) Have a relationship with each other directly or through common third parties that puts them in a position to have access to information about or influence on the bid of another interested partner.
- (p) The interested partner should have a valid Goods and Service Tax Identification Number (GSTIN), as on the last date of submission of EOI.
- (q) The interested bidder should submit duly signed and stamped EOI cover letter as per the format mentioned at Annexure-01 of this EOI document, as unconditional submission of meeting the clauses mentioned above, from Clause (a) to (u).
- (i) Prospective bidder's bid evaluation will be done based on above mentioned documents.
- (ii) Based on evaluation of outcome against 4.1 (i) complying eligibility criterion & 4.1 (ii) compliances requirement, whoever may qualify may be treated as Technically qualified partner.

4.2 Financial Bid:

For the opened bid as per outcome of Clause 4.1 above, the bidder will be selected on the lowest quote (L-1) basis for complete 'Scope of Work' as mentioned in the EOI document and documents of technical specifications subject to the respective overall bid is in compliance to the requirements of this EOI.

The so selected partner will be termed as 'Commercially Suitable Partner (hereafter referred to as 'CSP')'. It is re-mentioned that the final selection of CSP will be on the L-1 basis only. Further, RailTel reserves the right to have negotiation with the CSP.

If COR calls RailTel for negotiations/reverse auction/reverse bid on offered commercial, RailTel will negotiate with selected CSP on back to back basis

4. Other Terms & Conditions

As of now, EOI response from interested partners is invited considering that the selected partner will be responsible for delivering of complete 'Scope of Work' as mentioned in the EOI document and subsequent corrigendum. However, RailTel at its discretion, may take-up a certain portion / percentage of 'Scope of Work' by communicating to the CSP at any point of time during the engagement period. (The day at which 'CSP' is declared, will mark the start of engagement period. The period will be valid

till final outcome of this tender is announced by CoR. In case, RailTel comes out to be winner of the CoR tender, then the engagement period will get auto-extended to the period RailTel serves CoR for the concerned tender, unless terminated earlier by RailTel as per terms and conditions mentioned in this EOI document). In this scenario, commercial engagement with the CSP will be for that portion / percentage only, which has not been taken by RailTel. Accordingly, resultant value of work will be derived on the basis of negotiated (in case) commercial bid of the CSP.

If CoR extends the services beyond its engagement period, it will be extended for CSP on back to back basis on mutual consent.

5. Proposal Preparation and Submission Cost

The interested partner is responsible for all costs incurred in connection with participation in this EOI process, including, but not limited to, cost incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by RailTel to facilitate the evaluation process or all such activities related to the bid process. RailTel will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. This EOI document does not commit to award a contract or to engage in negotiations.

6. Amendment to EOI Document

At any time prior to the deadline for submission of bids, RailTel, may, for any reason can modify the EOI document by an amendment. All the amendments made in the document would be informed by displaying on RailTel's (www.railtelindia.com) website only. The interested bidders are advised to visit the RailTel website on regular basis for checking necessary updates. RailTel also reserves the rights to amend the dates mentioned in this EOI for bid process. RailTel may, at its discretion, extend the last date for receipt of EOI response.

7. Bid Validity Period

- a. Bid of Interested partners shall remain valid for the period of 210 days from the last date of submission of EOI, as mentioned in this EOI document.
- b. RailTel may request for an extension of the period of validity. The validity of the 'EMD', should also be suitably extended if called upon to do so by RailTel. The request and the responses thereto shall be made in writing through e-mail communication only. Further, whenever the bid validity extension is submitted by the interested partner, it should be ensured by interested partner that their PBG related to the empanelment should have minimum validity of 90 days from the last date of extended bid validity period.

8. Right to Terminate the Process

RailTel may terminate the EOI process at any time without assigning any reason. RailTel makes no commitments, express or implied, that this process will result in a business transaction with anyone.

This EOI does not constitute an offer by RailTel. The interested bidder's participation in this process may result in RailTel selecting the CSP to engage in further discussions and negotiations toward execution of a contract. The commencement of such negotiations does not, however, signify a commitment by RailTel to execute a contract or to continue negotiations. RailTel may terminate negotiations at any time without assigning any reason.

9. Language of Bid

The bid prepared by the interested partner and all correspondence and documents relating to the bids exchanged by the bidder and RailTel, shall be written in English Language, provided that any printed literature furnished by the Bidder in another language shall be accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Authorized Signatory of the interested partner.

10. Submission of Bid

- a. The interested bidder should take into account any Corrigendum to this EOI document that may have been published before submitting their EOI response. The bid is to be submitted in the mode as mentioned in this EOI document. EOI response submitted in any other mode will not be entertained.
- b. Interested bidders in their own interest are advised to submit the EOI response well in time before the last date and hence to avoid any inconvenience at the last moment.
- c. An Organization / Interested Bidder can submit only 'One EOI Response'. Submission of multiple EOI Response by interested bidder(s) may lead to rejection of all of its bid.

11. Rights to Accept / Reject any or all EOI Response

RailTel reserves the right to accept or reject any EOI Response, and to annul the bidding process and reject all Bids at any time prior to award of the Contract, without thereby incurring any liability to the affected interested bidder(s), or any obligation to inform the affected Bidders of the ground for RailTel's action.

12. Payment Terms

- a. Payment will be on '**back-to-back**' basis and as per the payment terms and condition of the work order placed by RailTel's Customer.
- b. Payment will be released after receiving the invoice for the work / services and after RailTel has received the payment from the Customer for the same work / services. Any deduction / Penalties levied by Customer on invoices of RailTel will be carried **back-to-**

back and will be deducted from CSP's invoices, subject to the cause to deduction / penalty is due to deviation in terms and conditions of service standards by the CSP.

- c. No advance payment will be given to the selected BA if RailTel gets the same from end customer.
- d. Documents list required at the time of payment/invoice submission by selected bidder shall be: -
 - i Original Tax Invoice/ e-invoice.
 - ii PO copy
 - iii Submission/Declaration of applicable BG amount against PO issued to selected bidder/vendor.
 - iv Warranty Certificate of OEM & bidder.
 - v Delivery Challan as accepted by CoR.
 - vi Installation and Commissioning certificate issued by CoR.
 - vii All payments to be made directly to the bidder through online payment mode. For this purpose, the bidder shall submit details of Bank Account as per RailTel's standard format. RailTel shall be entitled to deduct Income Tax in case applicable and other taxes at source in accordance with the provision of Income Tax Act/other taxation laws as applicable from time to time. In case of deduction necessary TDS certificates shall be issued by RailTel.

13. Performance Bank Guarantee (PBG)

14.1 In case of successful award of work for any or all of COR to RailTel and subsequent engagements with CSP, The CSP shall at its own expense, deposit with department, within fifteen (15) days of the notification of award (done through issuance of the Purchase Order / Work Order etc.) and communicated through email, an unconditional and irrevocable intervalidi Guarantee (PBG) from a Nationalized/ Commercial Scheduled Indian Bank as per the format enclosed in this EOI, payable on demand, for the due performance and fulfilment of the contract by the CSP for each of individual COR . **This PBG will be for an amount of 8 (%)’ of the contract value.** All charges whatsoever such as premium, commission, etc. with respect to the PBG shall be borne by the CSP. Besides, if the total BG amount comes upto ₹05 Lakhs, then same may be deposited through DD/RTGS/NEFT. Along with the submission of PBG, CSP needs to submit PBG issuing bank's SFMS report. The SFMS report is also to be submitted in case of renewal / extension of PBG.

14.2 **The PBG should have validity for a period of 17 months as per CoR whichever is higher beyond the date of completion of all Contractual obligations.** The PBG may be discharged / returned by RailTel upon being satisfied that there has been no due performance of the obligations of the CSP under the contract. However, no interest shall be payable on the PBG. In the event, CSP being unable to service the contract for whatsoever reason, RailTel would invoke the PBG at its discern. Notwithstanding and without prejudice to any rights whatsoever of RailTel under the contract in the matter, the proceeds of the PBG shall be payable to RailTel as compensation for any loss resulting from the CSP's failure to complete its obligations under the contract. RailTel shall notify the CSP in writing of the exercise of its right to receive such compensation within 14 days, indicating the contractual obligation(s) for which the CSP is in default.

14.3 RailTel shall also be entitled to make recoveries from the CSP's bills, PBG or from any other

amount due to him, the equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.

14.4 If the service period gets extended by virtue of extension of same by Customer, PBG should also be extended accordingly.

14.5 During the contract period, RailTel may issue Purchase Order(s) for the additional services ordered by Customer (in case) to RailTel in same Tender Reference. In such scenario(s) also, Clause No. **10.1.** to Clause No. **10.4.** are to be followed by the CSP.

14.6 In case the Customer has sought PBG of the contract in the terms of Indemnity Bond from RailTel, the selected bidder has to provide the equivalent value PBG from scheduled Bank to RailTel. No Indemnity Bond from Selected Bidder will be accepted in lieu of PBG from Scheduled Bank.

14.7 **Detail for online SFMS confirmation using the plate form is as below:**

- BG advising message – IFN 760COV/ IFN 767COV via SFMS
- To mandatorily send the Cover message at the time of BG issuance.
- IFSC Code of ICICI Bank to be used (ICIC0000007).
- Mention the unique reference (RAILTEL6103) in field 7037.
- Customer ID: 571916103,
- Unique identifier for Field 7037: RCIL571916103.

14. Details of Commercial Bid / Financial Bid

15.1 Interested partner should submit commercial bid strictly as per the format mentioned under the EOI document or subsequent corrigendum (if any).

15.2 The commercial bid should clearly bring out the cost of the services with detailed break-up of taxes.

15.3 The rates mentioned in the commercial bid of the CSP will form basis of commercial transaction between RailTel and bidder.

15.4 The quantity of 'Line Items' may vary at the time of placing of Purchase Order during the Contract Period, as communicated by Customer (in case) to RailTel. In such scenarios, the 'Per Unit' cost will be considered to arrive on contractual amount between RailTel and CSP.

15.5 It is also possible that Customer may surrender / increase, some or all of the quantities of service items ordered to RailTel during the contract period and accordingly the contractual amount between RailTel and CSP shall be considered, at sole discern of RailTel.

15.6 It is also possible that during the contract period, Customer may raise Purchase Order to RailTel for the line items (and respective quantities) which are not mentioned in this current EOI. In such scenario, RailTel at its sole discretion, may extend the scope of the contract with CSP by placing order, **on back-to-back basis.**

15.7 In addition to the Payment Terms, all other Contractual Terms will also be on '**back-to-back**' basis between RailTel and CSP.

15.8 Time for Completion:

- i) Deployment and configuration of hired Backup solution at CUSTOMERS OF RAILTEL (COR) should be completed within 3 (three weeks) from the date of Letter of Award to Bidder.
- ii) The contract period will start only after successful Installation and configuration of Backup solution and confirmation provided by CUSTOMERS OF RAILTEL (COR) officials/authority.

15.9 Delivery Period: The selected bidder has to comply the SoR delivery terms from the date of issue of confirmed LOA/PO. All clauses / terms & conditions of CoR (Customer of RCIL) including SOR, payment terms, scope of work, SLA/LD/penalty are applicable on back to back basis as per the CoR (Customer of RCIL). Delivery timelines for supply and providing end to end services by the selected bidder is as per CoR T&C including delivery period from the date of issuance of work order which is in line with the delivery timelines set by the end customer.

15. Duration of the Contract Period

The contract duration shall be same as of Customer contract duration with RailTel until otherwise terminated earlier. **Indicative contract duration is 130 days from the date of issue of LOA/PO**, unless otherwise terminated earlier/ extended as mentioned in this EOI document. The contract duration can be renewed /extended by RailTel at its discern, in case Customer extends / renews services with RailTel by virtue of extending / renewing / new issuance of one or more Purchase Order(s) placed by Customer to RailTel.

16. Restrictions on 'Transfer of Agreement'

The CSP shall not assign or transfer its right in any manner whatsoever under the contract / agreement to a third party or enter into any agreement for sub-contracting and/or partnership relating to any subject matter of the contract / agreement to any third party either in whole or in any part i.e., no sub-contracting / partnership / third party interest shall be created.

17. Suspension, Revocation or Termination of Contract / Agreement

- a. RailTel reserves the right to suspend the operation of the contract / agreement, at any time, due to change in its own license conditions or upon directions from the competent government authorities, in such a situation, RailTel shall not be responsible for any damage or loss caused or arisen out of aforesaid action. Further, the suspension of the contract / agreement will not be a cause or ground for extension of the period of the contract / agreement and suspension period will be taken as period spent. During this period, no charges for the use of the facility of the CSP shall be payable by RailTel.
- b. RailTel may, without prejudice to any other remedy available for the breach of any conditions of agreements, by a written notice of Three (03) month, terminate/or suspend the contract / agreement under any of the following circumstances:

- a) The CSP failing to perform any obligation(s) under the contract / agreement.
- b) The CSP failing to rectify, within the time prescribed, any defect as may be pointed out by RailTel.
- c) Non adherence to Service Level Agreements (SLA) which RailTel has committed to Customer for the pertinent tender.
- d) The CSP going into liquidation or ordered to be wound up by competent authority.
- e) If the CSP is wound up or goes into liquidation, it shall immediately (and not more than a week) inform about occurrence of such event to RailTel in writing. In that case, the written notice can be modified by RailTel as deemed fit under the circumstances. RailTel may either decide to issue a termination notice or to continue the agreement by suitably modifying the conditions, as deemed fit under the circumstances.
- f) It shall be the responsibility of the CSP to maintain the agreed Quality of Service, even during the period when the notice for surrender/termination of contract / agreement is pending and if the Quality of Performance is not maintained, during the said notice period, it shall be treated as material breach liable for termination at risk and consequent of which CSP's PBG related to contract / agreement along with PBG related to the Empanelment Agreement with RailTel shall be forfeited, without any further notice.
- g) Breach of non-fulfillment of contract / agreement conditions may come to the notice of RailTel through complaints or as a result of the regular monitoring. Wherever considered appropriate RailTel may conduct an inquiry either Suo- moto or on complaint to determine whether there has been any breach in compliance of the terms and conditions of the agreement by the successful bidder or not. The CSP shall extend all reasonable facilities and shall endeavor to remove the hindrance of every type upon such inquiry. In case of default by the CSP in successful implementation and thereafter maintenance of services / works as per the conditions mentioned in this EOI document, the PBG(s) of CSP available with RailTel can be forfeited.

18. Dispute Settlement

- a. In case of any dispute concerning the contract / agreement, both the CSP and RailTel shall try to settle the same amicably through mutual discussion / negotiations. Any unsettled dispute shall be settled in terms of Indian Act of Arbitration and Conciliation 1996 or any amendment thereof. Place of Arbitration shall be New Delhi.
- b. The arbitral tribunal shall consist of the Sole Arbitrator. The arbitrator shall be appointed by the Chairman & Managing Director (CMD) of RailTel Corporation of India Ltd.
- c. All arbitration proceedings shall be conducted in English.

19. Governing Laws

The contract shall be interpreted in accordance with the laws of India. The courts at New Delhi shall have exclusive jurisdiction to entertain and try all matters arising out of this contract.

20. Statutory Compliance

- a. During the tenure of this Contract nothing shall be done by CSP in contravention of law, act and/

or rules/regulations, there under or any amendment thereof and shall keep RailTel indemnified in this regard.

- b. The Bidder shall comply and ensure strict compliance by his/her employees and agents of all applicable Central, State, Municipal and Local laws and Regulations and undertake to indemnify RailTel, from and against all levies, damages, penalties and payments whatsoever as may be imposed by reason of any breach or violation of any law, rule, including but not limited to the claims against RailTel or its Customer under Employees Compensation Act, 1923, The Employees Provident Fund and Miscellaneous Provisions Act, 1952, The Contract Labor (Abolition and Regulation) Act 1970, Factories Act, 1948, Minimum Wages Act and Regulations, Shop and Establishment Act and Labor Laws which would be amended/modified or any new act if it comes in force whatsoever, and all actions claim and demand arising therefrom and/or related thereto.

21. Intellectual Property Rights

- a. Each party i.e., RailTel and CSP, acknowledges and agree that the other party retains exclusive ownership and rights in its trade secrets, inventions, copyrights, and other intellectual property and any hardware provided by such party in relation to this contract / agreement.
- b. Neither party shall remove or misuse or modify any copyright, trademark or any other proprietary right of the other party which is known by virtue of this EOI and subsequent contract in any circumstances.

22. Severability

In the event any provision of this EOI and subsequent contract with CSP is held invalid or not enforceable by a court of competent jurisdiction, such provision shall be considered separately and such determination shall not invalidate the other provisions of the contract and Annexure/s which will be in full force and effect.

23. Force Majeure

- a. If during the contract period, the performance in whole or in part, by other party, of any obligation under this is prevented or delayed by reason beyond the control of the parties including war, hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, epidemic, quarantine restriction, strikes and lockouts (as are not limited to the establishments and facilities of the parties), fire, floods, earthquakes, natural calamities or any act of GOD (hereinafter referred to as EVENT) provided notice of happenings of any such event is given by the affected party to the other, within twenty one (21) days from the date of occurrence thereof, neither party shall have any such claims for damages against the other, in respect of such non-performance or delay in performance. Provided service under this contract shall be resumed as soon as practicable, after such EVENT comes to an end or ceases to exist.
- b. In the event of a Force Majeure, the affected party will be excused from performance during the existence of the force Majeure. When a Force Majeure occurs, the affected party after notifying the other party will attempt to mitigate the effect of the Force Majeure as much as possible. If such delaying cause shall continue for more than sixty (60) days from the date of the notice stated above, the party injured by the inability of the other to perform shall have the right, upon written notice of thirty (30) days to the other party, to terminate this contract. Neither party shall be liable for any breach, claims, and damages against the other, in respect of non-performance or delay in performance as a result of Force Majeure leading to such termination.

24. Indemnity

- a. The CSP agrees to indemnify and hold harmless RailTel, its officers, employees and agents (each an “Indemnified Party”) promptly upon demand at any time and from time to time, from and against any and all losses, claims, damages, liabilities, costs (including reasonable attorney’s fees and disbursements) and expenses (collectively, “Losses”) to which the Indemnified party may become subject, in so far as such losses directly arise out of, in any way relate to, or result from:
 - b. Any mis-statement or any breach of any representation or warranty made by CSP or
- 25.2.1 The failure by the CSP to fulfill any covenant or condition contained in this contract by any employee or agent of the Bidder. Against all losses or damages arising from claims by third Parties that any Deliverables (or the access, use or other rights thereto), created by CSP pursuant to this contract, or any equipment, software, information, methods of operation or other intellectual property created by CSP pursuant to this contract, or the SLAs (i) infringes a copyright, trade mark, trade design enforceable in India, (ii) infringes a patent issues in India, or (iii) constitutes misappropriation or unlawful disclosure or use of another Party’s trade secrets under the laws of India (collectively, “Infringement Claims”); or
- 25.2.2 Any compensation / claim or proceeding by any third party against RailTel arising out of any act, deed or omission by the CSP or
- 25.2.3 Claim filed by a workman or employee engaged by the CSP for carrying out work related to this agreement. For the avoidance of doubt, indemnification of Losses pursuant to this section shall be made in an amount or amounts sufficient to restore each of the Indemnified Party to the financial position it would have been in had the losses not occurred.
- 25.2.4 Any payment made under this contract to an indemnity or claim for breach of any provision of this contract shall include applicable taxes.

25. Limitation of Liability towards RailTel

- a. The CSP liability under the contract shall be determined as per the Law in force for the time being. The CSP shall be liable to RailTel for loss or damage occurred or caused or likely to occur on account of any act of omission on the part of the CSP and its employees (direct or indirect), including loss caused to RailTel on account of defect in goods or deficiency in services on the part of CSP or his agents or any person / persons claiming through under said CSP, However, such liability of the CSP shall not exceed the total value of the contract.
- b. This limit shall not apply to damages for bodily injury (including death) and damage to real estate property and tangible personal property for which the CSP is legally liable.

26. Confidentiality cum Non-disclosure

- a. The Receiving Party agrees that it will not disclose to third party/parties any information belonging to the Disclosing Party which is provided to it by the Disclosing Party before, during and after the execution of this contract. All such information belonging to the Disclosing Party and provided to the Receiving Party shall be considered Confidential Information. Confidential Information includes prices, quotations, negotiated issues made before the execution of the contract, design and other related information. All information provided by Disclosing Party to the Receiving Party shall be considered confidential even if it is not conspicuously marked as confidential.

- b. Notwithstanding the foregoing, neither Party shall have any obligations regarding non-use or non-disclosure of any confidential information which:

27.2.1 Is already known to the receiving Party at the time of disclosure:

27.2.2 Is or becomes part of the public domain without violation of the terms hereof;

27.2.3 Is shown by conclusive documentary evidence to have been developed independently by the Receiving Party without violation of the terms hereof:

27.2.4 Is received from a third party without similar restrictions and without violation of this or a similar contract.

- c. The terms and conditions of this contract, and all annexes, attachments and amendments hereto and thereto shall be considered Confidential Information. No news release, public announcement, advertisement or publicity concerning this contract and/or its contents herein shall be made by either Party without the prior written approval of the other Party unless such disclosure or public announcement is required by applicable law.
- d. Notwithstanding the above, information may be transmitted to governmental, judicial, regulatory authorities, if so, required by law. In such an event, the Disclosing Party shall inform the other party about the same within 30 (thirty) Days of such disclosure.
- e. This Confidentiality and Non-Disclosure clause shall survive even after the expiry or termination of this contract.

27. Assignment

Neither this contract nor any of the rights, interests or obligations under this contract shall be assigned, in whole or in part, by operation of law or otherwise by any of the Parties without the prior written consent of each of the other Parties. Any purported assignment without such consent shall be void. Subject to the preceding sentences, this contract will be binding upon, inure to the benefit of, and be enforceable by, the Parties and their respective successors and assigns.

28. Insurance

The CSP agrees to take insurances to cover all the elements of the project under this EOI including but not limited to Manpower, Hardware, Software etc. as per tender specified terms.

29. Exit Management

- a. Exit Management Purpose

26.1.1 This clause sets out the provision, which will apply during Exit Management period. The parties shall ensure that their respective associated entities carry out their respective obligation set out in this Exit Management Clause.

26.1.2 The exit management period starts, in case of expiry of contract, at least 03 months prior to the date when the contract comes to an end or in case of termination contract, on the date when the notice of termination is sent to the CSP. The exit management period ends on the date agreed upon by RailTel or Three (03) months after the beginning of the exit management period, whichever is earlier.

- b. Confidential Information, Security and Data: CSP will promptly, on the commencement of the exit management period, supply to RailTel or its nominated agencies the following (if asked by RailTel

in writing):

26.2.1 Information relating to the current services rendered and performance data relating to the performance of the services; documentation relating to the project, project's customized source code (if any); any other data and confidential information created as part of or is related to this contract;

26.2.2 All other information (including but not limited to documents, records and agreements) relating to the services reasonably necessary to enable RailTel and its nominated agencies, or its replacing vendor to carry out due diligence in order to transition the provision of the services to RailTel or its nominated agencies, or its replacing vendor (as the case may be).

c. Employees : Promptly on reasonable request at any time during the exit management period, the CSP shall, subject to applicable laws, restraints and regulations (including in particular those relating to privacy) provide RailTel a list of all employees (with job titles and communication address), dedicated to providing the services at the commencement of the exit management period; To the extent that any Transfer Regulation does not apply to any employee of the CSP, RailTel or the replacing vendor may make an offer of contract for services to such employees of the CSP and the CSP shall not enforce or impose any contractual provision that would prevent any such employee from being hired by RailTel or any replacing vendor.

d. Rights of Access to Information: Besides during the contract period, during the exit management period also, if asked by RailTel in writing, the CSP shall be obliged to provide an access of information to RailTel and / or any Replacing Vendor in order to make an inventory of the Assets (including hardware / software / active / passive), documentations, manuals, catalogues, archive data, Live data, policy documents or any other related material.

Note: RailTel at its sole discern may not enforce any or all clauses / sub-clauses under the 'Exit Management' clause due to administrative convenience or any other reasons as deemed fit.

30. Waiver

Except as otherwise specifically provided in the contract, no failure to exercise or delay in exercising, any right, power or privilege set forth in the contract will operate as a waiver of any right, power or privilege.

31. Changes in Contract Agreement

No modification of the terms and conditions of the Contract Agreement shall be made except by written amendments signed by the both CSP and RailTel.

32. Liquidated Damages for Delay by Contractor:

If the contractor fails to complete the entire scope of work within the time specified in the Letter of award or any extension thereof, the contractor shall pay to Owner as liquidated damages and not as penalty, a sum of half percent (0.5%) of the Contract Price for each calendar week of delay or part thereof. The total liquidated damages for delay under the contract shall, however, be subject to a maximum of five percent (5%) of the total contract price.

33. Variation Clause: Variation in quantity will be governed as per the contract between RailTel and CoR.

34. Negotiation Clause: RCIL reserves the right to negotiate with the successful BA/SI in order to make the bid competitive.

EOI COVER LETTER

(On Organization Letter Head)

Eoi Ref No.: RCIL/NR_RO/EOI/MKTG/2024-25/AIIA-2 DATED 17.03.2025.

General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

Dear Sir/Madam,

1. I, the undersigned, on behalf of M/s, having carefully examined the referred EOI offer to participate in the same, in full conformity with the said EOI and all the terms and conditionsthereof, including corrigendum issued till last date of submission of EOI. It is also undertaken andsubmitted that we are in abidance of all Clauses 4 of EOI.
2. I agree to abide by this Proposal, consisting of this letter, our Pre-qualification, Technical and Commercial Proposals, for a period of 60 days from the date fixed for submission of Proposals as stipulated in the EOI and modifications resulting from contract negotiations, and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.
3. I acknowledge that the Authority will be relying on the information provided in the Proposal and the documents accompanying the Proposal for selection of the Commercially Suitable Partner (CSP)for the aforesaid Service, and we certify that all information provided therein is true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying the Proposal are true copies of their respective originals.
4. I undertake, if our Bid is accepted, to commence our services as per scope of work as specified in the contract document.
5. Until a formal Purchase Order or Contract is prepared and executed, this Bid and supplement / additional documents submitted (if any), together with your written acceptance thereof in your notification of award shall constitute a bindings contract between us.
6. I hereby undertake and give unconditional acceptance for compliance of all terms & conditions of EOI issued vide ref no. dated on <https://.....> portal, against this EOI based customer's requirement.
7. I hereby undertake that there will be no deviation from the Terms and Conditions of EOI issued vide ref no.dated on <https://.....>

Signature of Authorized /SignatoryName
Designati

CHECKLIST OF DOCUMENTS FOR BID SUBMISSION

S.No.	Type	Description	Page No.
1	Existence/ Origin	The company must be registered in India.	
2	General	The company must have: III. a valid PAN card. IV. been registered with GST.	
3	Turnover	The bidder must have cumulative turnover at least 150% of the EOI value in the last three financial year ending 31st Mar,2024 and up to the date of inviting of EOI.	
4	Net Worth	The bidder must have positive net worth in last 3 FY i.e (FY 21-22, FY22-23, FY23-24) ending 31st March 2024.	
5	Experience	<p>The bidder must have executed similar work in last 3 years ending last day of month previous to the one in which EOI is invited.</p> <p>34. One similar work of at least 35% of estimated value of contract. OR 35. Two similar works of at least 20% of estimated value of contract. OR 36. Three similar works of at least 15% of estimated value of contract.</p> <p>Definition of similar work: Similar work means SITC of a project in the field of IT / ITeS / ICT / Telecom for any Government department or Public Sector Units in last 3 FYs.</p>	
6	Empanelment	Bidder must be empanelled with RailTel as business associate.	
7	Technical Compliance of the Scope of Work	The Technical Compliance of the Scope of Work must be submitted. However, format may be modified by bidder as per their choice, but item must be marked with OEM Name, MAF provided or not and Data Sheet attached	
8	Make and Model	Technical Compliance sheet with make and model	

S.No.	Type	Description	Page No.
10	Unconditional Acceptance of	Undertaking on letterhead duly signed and stamped by authorised signatory for unconditional Acceptance of the Scope of work and any Other/General Document of CoR Tender RFP along with all the corrigendum and addendum.	
11	Unconditional acceptance of EOI terms	EOI's unconditional acceptance on company's letter head	
12	POA	The bid should be duly signed and submitted by Authorized Signatory. The bidder has to submit notarized of non-judicial stamp paper of appropriate value Power of Attorney having authorised signatory's nomination along with board resolution in favour of power of attorney	
13	Annexure - 01	EOI COVER LETTER	
14	Annexure - 02	Checklist of Documents for Bid Submission	
15	Annexure - 03	Commercial Bid	
16	Annexure - 04	Proforma For Performance Bank Guarantee	
17	Annexure - 05	Non-Disclosure Agreement	
18	Annexure - 06	Format for AFFIDAVIT	
19	Annexure - 07	EMD Bank Guarantee Format	
20	Annexure - 08	Non-Blacklisting	
21	Annexure - 09	Compliance to GFR	
22	Annexure - 10	Power of Attorney	
23	Annexure - 11	Local Content Compliance	
24	Annexure - 12	Manufacturer's Authorization Form	
25	Annexure - 13	Integrity pact	Deleted
26	Appendix-A	Scope of Work	
27	Appendix-B	Technical Specifications	
28	EMD payment	EMD payment Detail	
29	EOI document cost	EOI document cost	
30	Land border sharing	Compliance to insertion of Rule 144(xi) in the GFR, 2017 vide office OM no. 6/18/2019-PPD dated 23-July-2020 issued by Ministry of Finance, Government of India, including revisions	
31	Non- Black Listing	Bidder should not be backlisted by any State / Central Government Ministry / Department / Corporation / Autonomous Body on the last date of submission of EOI	
32	No- arbitration with RailTel	There should not be any ongoing or past, arbitration case(s) between 'RailTel or Organizations under Indian Railways' and 'Interested Bidder' on the last date of submission of EOI	
33	Any Other Document	Any Other Document as per the EOI	

Note:

1. The technical bid should have a 'Index' at the starting and all pages of bid should be serially numbered and should be traceable as per the 'Index'.
2. All the submitted documents should be duly stamped and signed by the Authorized Signatory at each page.
3. The above checklist is indicative only. RailTel may ask for additional documents from the bidders, as per the requirement.

Signature of Authorized Signatory Name:

Designation:

Commercial Bid

TO BE UPLOADED AS BOQ SHEET

EoI Ref No.: RCIL/NR_RO/EOI/MKTG/2024-25/AIIA-2 DATED 17.03.20

To,

General Manager (Mktg),
 RailTel Corporation of India Limited, Northern Region,
 6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053.

S.no.	Description	Quantity	Unit Price	Total Price
1	Item at SN.01 of Annexure -V (Financial Bid) of customer tender	31		
2	Item at SN.02 of Annexure -V (Financial Bid) of customer tender	125		
3	Item at SN.03 of Annexure -V (Financial Bid) of customer tender	2		
4	Item at SN.04 of Annexure -V (Financial Bid) of customer tender	9		
5	Item at SN.05 of Annexure -V (Financial Bid) of customer tender	4		
6	Item at SN.06 of Annexure -V (Financial Bid) of customer tender	5		
7	Item at SN.07 of Annexure -V (Financial Bid) of customer tender	176		
8	Item at SN.08 of Annexure -V (Financial Bid) of customer tender	2		
9	Item at SN.09 of Annexure -V (Financial Bid) of customer tender	18		
10	Item at SN.10 of Annexure -V (Financial Bid) of customer tender	4		
11	Item at SN.11 of Annexure -V (Financial Bid) of customer tender	1		
12	Item at SN.12 of Annexure -V (Financial Bid) of customer tender	1		
13	Item at SN.13 of Annexure -V (Financial Bid) of customer tender	2		
14	Item at SN.14 of Annexure -V (Financial Bid) of customer tender	6		

15	Item at SN.15 of Annexure -V (Financial Bid) of customer tender	1		
16	Item at SN.16 of Annexure -V (Financial Bid) of customer tender	9		
17	Item at SN.17 of Annexure -V (Financial Bid) of customer tender	2		
17.1	Item at SN.17.1 of Annexure -V (Financial Bid) of customer tender	68		
17.2	Item at SN.17.2 of Annexure -V (Financial Bid) of customer tender	10		
18	Item at SN.18 of Annexure -V (Financial Bid) of customer tender	36		
19	Item at SN.19 of Annexure -V (Financial Bid) of customer tender	1		
20	Item at SN.20 of Annexure -V (Financial Bid) of customer tender	4		
21	Item at SN.21 of Annexure -V (Financial Bid) of customer tender	31		
22	Item at SN.22 of Annexure -V (Financial Bid) of customer tender	6		
23	Item at SN.23 of Annexure -V (Financial Bid) of customer tender	1		
24	Item at SN.24 of Annexure -V (Financial Bid) of customer tender	1		
25	Item at SN.25 of Annexure -V (Financial Bid) of customer tender	176		
26	Item at SN.26 of Annexure -V (Financial Bid) of customer tender	1		
27	Total Price (Without GST)			
29	GST@18%			
30	Total Price (Including GST)			
	Total Price in Words			

Note: This Annexure should be submitted as separate in Financial Bid section, NO price / cost details should be mentioned along with Technical Bid documents.

Signature of Authorised SignatoryName/Designation

Company Seal

PROFORMA FOR PERFORMANCE BANK GUARANTEE

(On Stamp Paper of ₹ One Hundred)

EoI Ref No: RCIL/NR_RO/EOI/MKTG/2024-25/AIIA-2 DATED 17.03.2025.

To,
General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

1. In consideration of the RailTel Corporation of India Limited (CIN: L64202DL2000GOI107905), having its registered office at Plate-A, 6th Floor, Office Block Tower-2, East Kidwai Nagar, New Delhi – 110023 (herein after called “RailTel”) having agreed to exempt (CIN

:) having its registered office at (hereinafter called “the said Contractor”) from the demand, under the terms and conditions of Purchase Order No. dated made between RailTel and for (hereinafter called “the said Agreement”) of security deposit for the due fulfilment by the said Contractor of the terms and condition contained in the said Agreement, or production of a Bank Guarantee for Rs. (Rs. Only). We (Indicate the name and address and other particulars of the Bank) (hereinafter referred to as ‘the Bank’) at the request of contractor do hereby undertake to pay RailTel an amount not exceeding Rs. (Rs. Only) against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor of any of the terms or conditions contained in the said Agreement.

2. We, the Bank do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage by the said Contractor of any of terms or conditions contained in the said Agreement by reason of the Contractor’s failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs (Rs Only).

3. We, the Bank undertake to pay the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal. The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the Contractor shall have no

claim against us for making such payment.

4. We, the Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor and accordingly discharges this Guarantee. Unless a demandor claim under the Guarantee is made on us in writing on or before We shall be discharged from all liability under this Guarantee thereafter.

5. We, the Bank further agree with the RailTel that the RailTel shall have fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time of to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Agreement and

we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Guarantee will not be discharge due to the change in the constitution of the Bank or the Contractor.

(..... indicate the name of Bank) lastly undertake not to revoke this Guarantee during its

currency except with the previous consent of RailTel in writing.

Dated the Day of 2024 for (Name of Bank)

In the presence of Witnesses:

1. Signature With Date

Name

2. Signature With Date

Name

Encl: SFMS PBG Report

NON-DISCLOSURE AGREEMENT

This Non-Disclosure Agreement (this “Agreement”) is made and entered into on this day of, 2024 (the “Effective Date”) at.

By and between

RailTel Corporation of India Limited, (CIN: L64202DL2000GOI107905), a Public Sector Undertaking under Ministry of Railways, Govt. of India, having its registered and corporate office at Plate-A, 6th Floor, Office Block, Tower -2, East Kidwai Nagar, New Delhi-110023 & Northern Region office at 6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi - 110053, (hereinafter referred to as 'RailTel'), which expression shall unless repugnant to the context or meaning thereof, deem to mean and include its successors and its permitted assignees of the ONE PART,

And

_____ (CIN: _____), a company duly incorporated under _____

the provisions of Companies Act, having its registered office at _____, (hereinafter referred to as '____'), which expression shall unless repugnant to the context or meaning thereof, deem to mean and include its successors and its permitted assignees of OTHER PART

RailTel and _____ shall be individually referred to as “Party” and jointly as “Parties”

WHEREAS, RailTel and _____, each possesses confidential and proprietary information related to its business activities, including, but not limited to, that information designated as confidential or proprietary under Section 2 of this Agreement, as well as technical and non- technical information, patents, copyrights, trade secrets, know-how, financial data, design details and specifications, engineering, business and marketing strategies and plans, forecasts or plans, pricing strategies, formulas, procurement requirements, vendor and customer lists, inventions, techniques, sketches, drawings, models, processes, apparatus, equipment, algorithms, software programs, software source documents, product designs and the like, and third party confidential information (collectively, the “Information”);

WHEREAS, the Parties have initiated discussions regarding a possible business relationship for.....

WHEREAS, each Party accordingly desires to disclose certain Information (each Party, in such disclosing capacity, the “Disclosing Party”) to the other Party (each Party, in such receiving capacity, the “Receiving Party”) subject to the terms and conditions of this Agreement.

NOW THEREFORE, in consideration of the receipt of certain Information, and the mutual promises made in this Agreement, the Parties, intending to be legally bound, hereby agree as follows:

1. Permitted Use.

(a) Receiving Party shall:

- (i) hold all Information received from Disclosing Party in confidence;
- (ii) use such Information for the purpose of evaluating the possibility of entering into a commercial arrangement between the Parties concerning such Information; and
- (iii) restrict disclosure of such Information to those of Receiving Party’s officers, directors, employees, affiliates, advisors, agents and consultants (collectively, the “Representatives”) who the Receiving Party, in its reasonable discretion, deems need to know such Information, and are bound by the terms and conditions of (1) this Agreement, or (2) an agreement with terms and conditions substantially similar to those set forth in this Agreement.

(b) The restrictions on Receiving Party’s use and disclosure of Information as set forth above shall not apply to any Information that Receiving Party can demonstrate:

- (i) is wholly and independently developed by Receiving Party without the use of Information of Disclosing Party;
- (ii) at the time of disclosure to Receiving Party, was either (A) in the public domain, or (B) known to Receiving Party;
- (iii) is approved for release by written authorization of Disclosing Party; or
- (iv) is disclosed in response to a valid order of a court or other governmental body in the India or any political subdivision thereof, but only to the extent of, and for the purposes set forth in, such order; provided, however, that Receiving Party shall first and immediately notify Disclosing Party in writing of the order and permit Disclosing Party to seek an appropriate protective order.

(c)Both parties further agree to exercise the same degree of care that it exercises to protect its own Confidential Information of a like nature from unauthorized disclosure, but in no event shall a less than reasonable degree of care be exercised by either party.

2. Designation.

- (a) Information shall be deemed confidential and proprietary and subject to the restrictions of this Agreement if, when provided in:
 - (i) written or other tangible form, such Information is clearly marked as proprietary or confidential when disclosed to Receiving Party; or
 - (ii) oral or other intangible form, such Information is identified as confidential or proprietary at the time of disclosure.

3. Cooperation. Receiving Party will immediately give notice to Disclosing Party of any unauthorized use or disclosure of the Information of Disclosing Party.

4. Ownership of Information. All Information remains the property of Disclosing Party and no license or other rights to such Information is granted or implied hereby.

Notwithstanding the foregoing, Disclosing Party understands that Receiving Party may currently or in the future be developing information internally, or receiving information from other parties that may be similar to Information of the Disclosing Party. Notwithstanding anything to the contrary, nothing in this Agreement will be construed as a representation or inference that Receiving Party will not develop products, or have products developed for it, that, without violation of this Agreement, compete with the products or systems contemplated by Disclosing Party's Information.

5. No Obligation. Neither this Agreement nor the disclosure or receipt of Information hereunder shall be construed as creating any obligation of a Party to furnish Information to the other Party or to enter into any agreement, venture or relationship with the other Party.

6. Return or Destruction of Information.

- (a) All Information shall remain the sole property of Disclosing Party and all materials containing any such Information (including all copies made by Receiving Party) and its Representatives shall be returned or destroyed by Receiving Party immediately upon the earlier of:
 - (i) termination of this Agreement;

- (ii) expiration of this Agreement; or
- (iii) Receiving Party's determination that it no longer has a need for such Information.

(b) Upon request of Disclosing Party, Receiving Party shall certify in writing that all Information received by Receiving Party (including all copies thereof) and all materials containing such Information (including all copies thereof) have been destroyed.

7. Injunctive Relief: Without prejudice to any other rights or remedies that a party may have, each party acknowledges and agrees that damages alone may not be an adequate remedy for any breach of this Agreement, and that a party shall be entitled to seek the

remedies of injunction, specific performance and/or any other equitable relief for any threatened or actual breach of this Agreement

8. Notice.

(a) Any notice required or permitted by this Agreement shall be in writing and shall be delivered as follows, with notice deemed given as indicated:

- (i) by personal delivery, when delivered personally;
- (ii) by overnight courier, upon written verification of receipt; or
- (iii) by certified or registered mail with return receipt requested, upon verification of receipt.

(b) Notice shall be sent to the following addresses or such other address as either Party specifies in writing.

RailTel Corporation of India limited:

Attn:

Address:

Phone:Email.:

Attn:

Address:

Phone:Email

9. Term, Termination and Survivability.

(a) Unless terminated earlier in accordance with the provisions of this agreement, this Agreement shall be in full force and effect for a period of years from the effective date hereof.

- (b) Each party reserves the right in its sole and absolute discretion to terminate this Agreement by giving the other party not less than 30 days' written notice of such termination.
- (c) Notwithstanding the foregoing clause 9(a) and 9 (b) , Receiving Party agrees that its obligations, shall:
 - (i) In respect to Information provided to it during the Term of this agreement, shall survive and continue even after the expiry of the term or termination of this agreement; and
 - (ii) not apply to any materials or information disclosed to it thereafter.

10. Governing Law and Jurisdiction. This Agreement shall be governed in all respects solely and exclusively by the laws of India without regard to its conflicts of law principles. The Parties hereto expressly consent and submit themselves to the jurisdiction of the courts of New Delhi.

11. Counterparts. This agreement is executed in duplicate, each of which shall be deemed to be the original and both when taken together shall be deemed to form a single agreement.

12. No Definitive Transaction. The Parties hereto understand and agree that no contractor agreement with respect to any aspect of a potential transaction between the Parties shall be deemed to exist unless and until a definitive written agreement providing for such aspect of the transaction has been executed by a duly authorized representative of each Party and duly delivered to the other Party (a "Final Agreement"), and the Parties hereby waive, in advance, any claims in connection with a possible transaction unless and until the Parties have entered into a Final Agreement.

13. Settlement of Disputes:

- (a) The parties shall, at the first instance, attempt to resolve through good faith negotiation and consultation, any difference, conflict or question arising between the parties hereto relating to or concerning or arising out of or in connection with this agreement, and such negotiation or consultation shall begin promptly after a Party has delivered to another Party a written request for such consultation.
- (b) In the event of any dispute, difference, conflict or question arising between the parties hereto, relating to or concerning or arising out of or in connection with this agreement, is not settled through good faith negotiation or consultation, the same shall be referred to arbitration by a sole arbitrator.

14. The sole arbitrator shall be appointed by CMD/RailTel out of the panel of independent arbitrators maintained by RailTel, having expertise in their respective domains. The seat and the venue of arbitration shall be New Delhi. The arbitration proceedings shall be in accordance with the provision of the Arbitration and Conciliation Act 1996 and any other statutory amendments or modifications thereof. The decision of arbitrator shall be final and binding on both parties. The arbitration proceedings shall be conducted in English Language. The fees and cost of arbitration shall be borne equally between the part.

15. CONFIDENTIALITY OF NEGOTIATIONS

Without the Disclosing Party's prior written consent, the Receiving Party shall not disclose to any Person who is not a Representative of the Receiving Party the fact that Confidential Information has been made available to the Receiving Party or that it has inspected any portion of the Confidential Information or that discussions between the Parties may be taking place.

16. REPRESENTATION

The Receiving Party acknowledges that the Disclosing Party makes no representation or warranty as to the accuracy or completeness of any of the Confidential Information furnished by or on its behalf. Nothing in this clause operates to limit or exclude any liability for fraudulent misrepresentation.

17. ASSIGNMENT

Neither this Agreement nor any of the rights, interests or obligations under this Agreement shall be assigned, in whole or in part, by operation of law or otherwise by any of the Parties without the prior written consent of each of the other Parties. Any purported assignment without such consent shall be void. Subject to the preceding sentences, this Agreement will be binding upon, inure to the benefit of, and be enforceable by, the Parties and their respective successors and assigns.

18. EMPLOYEES AND OTHERS

Each Party shall advise its Representatives, contractors, subcontractors and licensees, and shall require its Affiliates to advise their Representatives, contractors, subcontractors and licensees, of the obligations of confidentiality and non-use under this Agreement, and shall be responsible for ensuring compliance by its and its Affiliates' Representatives, contractors,

subcontractors and licensees with such obligations. In addition, each Party shall require all persons and entities who are not employees of a Party and who are provided access to the Confidential Information, to execute confidentiality or non-disclosure agreements containing provisions no less stringent than those set forth in this Agreement. Each Party shall promptly notify the other Party in writing upon learning of any unauthorized disclosure or use of the Confidential Information by such persons or entities.

19. NO LICENSE

Nothing in this Agreement is intended to grant any rights to under any patent, copyright, or other intellectual property right of the Disclosing Party, nor will this Agreement grant the Receiving Party any rights in or to the Confidential Information of the Disclosing Party, except as expressly set forth in this Agreement.

20. RELATIONSHIP BETWEEN PARTIES

Nothing in this Agreement or in any matter or any arrangement contemplated by it is intended to constitute a partnership, association, joint venture, fiduciary relationship or other cooperative entity between the parties for any purpose whatsoever. Neither party has any power or authority to bind the other party or impose any obligations on it and neither party shall purport to do so or hold itself out as capable of doing so.

21. UNPUBLISHED PRICE SENSITIVE INFORMATION (UPSI)

_____ agrees and acknowledges that _____, its Partners, employees, representatives etc., by virtue of being associated with RailTel and being in frequent communication with RailTel and its employees, shall be deemed to be “Connected Persons” within the meaning of SEBI (Prohibition of Insider Trading) Regulations, 2015 and shall be bound by the said regulations while dealing with any confidential and/ or price sensitive information of RailTel. _____ shall always and at all times comply with the obligations and restrictions contained in the said regulations. In terms of the said regulations, _____ shall abide by the restriction on communication, providing or allowing access to any Unpublished Price Sensitive Information (UPSI) relating to RailTel as well as restriction on trading of its stock while holding such Unpublished Price Sensitive Information relating to RailTel

22. MISCELLANEOUS.

This Agreement constitutes the entire understanding among the Parties as to the Information and supersedes all prior discussions between them relating thereto. No amendment or modification of this Agreement shall be valid or binding on the Parties unless made in writing and signed on behalf of each Party by its authorized representative. The failure or delay of any Party to enforce at any time any provision of this Agreement shall not constitute a waiver of such Party's right thereafter to enforce each and every provision of this Agreement. In the event that any of the terms, conditions or provisions of this Agreement are held to be illegal, unenforceable or invalid by any court of competent jurisdiction, the remaining terms, conditions or provisions hereof shall remain in full force and effect. The rights, remedies and obligations set forth herein are in addition to, and not in substitution of, any rights, remedies or obligations which may be granted or imposed under law or in equity.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date set forth above.

By
RailTel Corporation of India limited
Name
Title
Designation

Witnesses

By
Bidder
Name
Title
Designation

Witnesses

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY BA ALONGWITH THE EOI DOCUMENTS

(To be executed in presence of Public notary on non-judicial stamp paper of the value of Rs. 100/-. The paper has to be in the name of the BA) **

I _____ (Name and designation)** appointed as the attorney/ authorized signatory of the BA (including its constituents), M/s _____ (hereinafter called the BA) for the purpose of the EOI documents for the work of _____ as per the EOI No. _____ of (RailTel Corporation of India Limited), do hereby solemnly affirm and state on the behalf of the BA including its constituents as under:

1. I/we the BA (s), am/are signing this document after carefully reading the contents.
2. I/we the BA(s) also accept all the conditions of the EOI and have signed all the pages in confirmation thereof.
3. I/we hereby declare that I/we have downloaded the EOI documents from RailTel website www.railtelindia.com. I/we have verified the content of the document from the website and there is no addition, no deletion or no alternation to be content of the EOI document. In case of any discrepancy noticed at any stage i.e., evaluation of EOI, execution of work or final payment of the contract, the master copy available with the RailTel Administration shall be final and binding upon me/us.
4. I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5. I/we also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6. I/we declare that the information and documents submitted along with the EOI by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7. I/we undersigned that if the certificates regarding eligibility criteria submitted by us are found to be forged/false or incorrect at any time during process for evaluation of EOI, it shall lead to forfeiture of the EOI EMD besides banning of business for five years on entire RailTel. Further, I/we (insert name of the BA)** and all my/our constituents understand that my/our constituents understand that my/our offer shall be summarily rejected.
8. I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of EMD/SD and Performance guarantee besides any other action provided in the contract including banning of business for five years on entire RailTel.
9. I/we the BA(s) have carefully read and understand terms and conditions of the tender/RFP/EOI of CoR and also accept all the terms and conditions of the tender/RFP/EOI of CoR including addendum/corrigendum.
10. I/we understand that we will submit all the required MAF/documents/annexures as per requirement of tender/RFP/EOI of CoR before reasonable time as conveyed by competent Authority of RailTel.

DEPONENT
SEAL AND SIGNATURE OF THE BA VERIFICATION

I/We above named EOI do hereby solemnly affirm and verify that the contents of my/our above affidavit are true and correct. Nothing has been concealed and no part of it is false.

DEPONENT
SEAL AND SIGNATURE OF THE BA

Place:

Dated:

**The contents in Italics are only for guidance purpose. Details as appropriate, are to be filled in suitably by BA. Attestation before Magistrate/Notary Public.

EMD BANK GUARANTEE FORMAT

EOI Ref No: RCIL/NR_RO/EOI/MKTG/2024-25/AIIA-2 DATED 17.03.2025.

WHEREAS, _____ [name of Bidder] (hereinafter called "the Bidder") has submitted his Bid dated _____ [date] Selection of Implementation Partner from RailTel Empaneled Business Associate for exclusive ARRANGEMENT for the work of "....." [name of Contract] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that We _____ [name of bank] of

_____ [name of country] having our registered office at

_____ (Hereinafter called "the Bank") are bound unto RailTel Corporation of India Limited., 6th Floor, IIIrd Block, Delhi Technology Park, Shastri Park, Delhi-110053 [name of Employer] (hereinafter called "the Employer") in the sum of Rs. xxxxxx (Rupees **in words** only) for which payment well and truly to be made to the said Employer the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this _____ day of _____ 20

THE CONDITIONS of this obligation are:

(1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified in the Form of Bid;

or

(2) If the Bidder having been notified of the acceptance of his bid by the Employer during the period of Bid validity:

a) Fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required;

or

b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders;

or

c) does not accept the correction of the Bid Price;

we undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date _____ *

days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not later than the above date.

DATE _____ SIGNATURE OF THE BANK _____

WITNESS _____ SEAL _____

[Signature, name, and address]* _____ days after the end of the validity period of the Bid.

Undertaking for Non-Blacklisting & Arbitration Case
(On Organization Letter Head)

Bid Ref No:

Date:

To,
General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

Ref : RCIL/NR_RO/EOI/MKTG/2024-25/Backup Solution Dated 21.02.2025.

Dear Sir,

I, the undersigned, on behalf of M/s hereby submits that

1. We are not blacklisted by any State / Central Government Ministry / Department / Corporation / Autonomous Body at the time of submission of bid.
2. We are not having any ongoing or past, arbitration case(s) with RailTel at the time of submission of bid.

I hereby acknowledge that in the event of acceptance of bid of M/s on above undertaking and if the undertaking is found to be false at any stage, the false undertaking would be a ground for immediate termination of contract and further legal action in accordance with the Law, including but not limited to the encashment of Bank Guarantee related to Empanelment and Performance Bank Guarantee (PBG), as available with RailTel, related to this EoI.

Signature of Authorised Signatory

Name

Designation

Compliance to Rule 144 (xi) of GFR, 2017 including amendments till date
(On Organization Letter Head)

To,
General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

Ref: RCIL/NR_RO/EOI/MKTG/2024-25/Backup Solution Dated 21.02.2025.

Dear Sir,

I, the undersigned, on behalf of M/s , have read the clause/para regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries.

(a) I certify that M/s is not from such a country and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I also certify that M/s..... will not offer any products / services of entity from such countries unless such entity is registered with the Competent Authority.

OR (Strikeout either (a) or (b), whichever is not applicable)

(b) I certify that M/s is from such a country and has been registered with the Competent Authority. I also certify that M/s has product/services of entity from such countries and these entity /entities are also registered with the Competent Authority.

(Where applicable, evidence of valid registration by the Competent Authority is to be attached with the bid.)

I hereby certify that M/s fulfills all requirements in this regard and is eligible to be considered.

I hereby acknowledge that in the event of acceptance of my bid on above certificate and if the certificate is found to be false at any stage, the false certificate would be a ground for immediate termination of contract and further legal action in accordance with the Law.

Signature of Authorised Signatory

Name:

Designation:

POWER OF ATTORNEY

Know all men by these presents We having its registered office at anddo hereby irrevocably constitute, nominate, appoint and authorize **Mr.**, who is presently employed with us and holding the position of, as our true and lawful attorney (hereinafter referred to as the “Attorney”) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our proposal..... is response to the EoI No..... including but not limited to signing and submission of all applications, proposals and other documents and writings, and providing information/ responses in all matters before the department, signing and execution of all contracts and undertakings/declarations consequent to acceptance of our proposal and generally dealing with the department in all matters in connection with or relating to or arising out of our proposal for the said assignment and/ or upon award thereof to us till the execution of appreciate Agreement/s with the department.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Authorized Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Authorized Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE,, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THISDAY OF....., 2024

For **Bidder**

Accepted by: -

Person identified by me/ personally appeared before me/Attested/ Authenticated

Local Content Compliance
(On Organization Letter Head)

Bid Ref No:

Date:

To,
General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

Ref : EOI NO: RCIL/NR_RO/EOI/MKTG/2024-25/AIIA-2 DATED 17.03.2025..

Dear Sir,

I, the undersigned, on behalf of M/s , hereby submits that our technical solution for the 'Scope of Work' mentioned under the Eol document is in compliance of local content requirement and makes us equivalent to 'Class-I local supplier' / 'Class-II local supplier' (mention whichever is applicable) for the Eol under reference, as defined under the order No. P-45021/2/2017-PP(BE-II) dt. 04-June-2020 issued by Ministry of Commerce and Industry, Govt. of India.

I hereby certify that M/s fulfills all requirements in this regard and is eligible to be considered and for the submitted bid Local Content Percentage is % (write in figures as well as in words).

I hereby acknowledge that in the event of acceptance of bid of M/s on above certificate and if the certificate is found to be false at any stage, the false certificate would be a ground for immediate termination of contract and further legal action in accordance with the Law, including but not limited to the encashment of Bank Guarantee related to Empanelment and Performance Bank Guarantee (PBG), as available with RailTel, related to this Eol.

Signature of Authorised Signatory

Name:

Designation:

Manufacturer's Authorization Form*(on the letterhead of the Manufacturer)*

Bid Ref No:

Date:

To,

General Manager (Mktg),

RailTel Corporation of India Limited, Northern Region,

6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

Dear Sir/Madam,

Ref. Your Tender Document No.

dated

We,..... who are proven and reputable manufacturers

Ofhaving factories at.....hereby authorize M/s (name and address of the bidder) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred Tender which are manufactured by us.

- 2) We further confirm that no supplier or firm or individual other than Messrs. (name and address of the above agent) is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred Tender Enquiry documents for the above Equipment / Stores manufactured by us.
- 3) We also hereby confirm that we would be responsible for supply, installation and execution of warranty of the goods under question and will provide spares parts for the period of at least 3 years for supplied item to CoR DELHI after expiry of warranty.
- 4) We also undertake to execute warranty/guarantee during its period along with spare parts.

[Signature with date, name and designation]

For and on behalf of M/s

[Name & address of the manufacturers]

1. This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a competent person and having the power of attorney to legally bind the manufacturer.
2. Original letter's scanned copy may be uploaded and handed over as and when directed.

Integrity Pact

Deleted

Tender Documents of Customer of RailTel, Scope of Work and Terms & Conditions

1. Scope of Work:

Supply, Installation, Testing, and Commissioning of CCTV Surveillance System and Video Analytics Solutions for Customer of RailTel (COR) on back-to-back basis.

[illegible]

Chapter-II

Instructions for Bidders:-

1. The bidders have to complete the entire installation and setting up of Supply, Installation, Testing & Commissioning of CCTV Surveillance System and Video Analytics Solution within the given items and hand over to the Institute within contract period.
2. Tender has been invited under two bid systems. Hence all instruction should be followed properly as mentioned in bid document.
3. All envelops should be super-scribe as **"Technical Bid for Supply, Installation & Commissioning of CCTV Surveillance System and Video Analytics Solution at AIIA, New Delhi."** / **"Financial Bid for Supply, Installation & Commissioning of CCTV Surveillance System and Video Analytics Solution at AIIA, New Delhi"** as the case may be. Both the bids should be kept in a bigger envelop super scribe with **Bid for "Supply, Installation & Commissioning of CCTV Surveillance System and Video Analytics Solution at AIIA, New Delhi."**
4. All the annexure/declaration and tender documents should be signed by bidders. If these are signed by a representative, an authorization letter issued after tender publishing dated must be attached. **Tender submitted in loose sheet/unsigned shall not be considered.**
5. The pages of tender document to be submitted by bidder should be properly numbered and an index with proper page number should be attached with the tender document.
6. Rates quoted in respect of tender should be **typed only. Any cutting, overwriting shall not be considered.**
7. The bidder shall quote rates in Indian Rupees (INR). Rates quoted in other currency shall be treated as non- responsive and will be rejected.
8. Only technically qualified bidders will be considered for financial evaluation. Financial bid opening date and time will be intimated to technically qualified bidders only.
9. Technical compliance sheet must be attached along with catalogue where in the technical compliance will be intimated properly. **Interested bidders may obtain further information from the office.**
10. It is responsibility of bidders to ensure timely submission of bids as per given schedule and must be dropped in Tender Box. Bids received after due date will not considered.
11. In event of the above-mentioned date being declared as holiday/closed day for the AIIA, the tender event will be postponed for the next working day.
12. Price Preference Policy and Exemption for submission of various eligibility criteria documents to the Bidder registered under Make in India Initiative:- The bidders who are registered under **Make in India Initiative** and producing their products under the **"Make in India Policy of Government of India"** shall be given price preference as per Govt. of India applicable Rules and Guidelines on submission of relevant certificate for availing the price preference and exemption for submission of exempted documents against this bid along with their Pre- Qualification Bid Documents. If the certificate is not uploaded along with

their offer, it will be treated as normal bidder. Producing certificate at later stage will not be considered.

13. Bidders are advised to go through the Make in India initiative and Price Preference Policy before opting the same for availing benefit under this initiative. (a) It should be noted that this tender is subject to the provisions contained in Government of India, Ministry of Commerce & Industry, Department for Promotion of Industry and Internal Trade (Public Procurement Section) Order no. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and all other relevant orders issued by the Government of India from time to-time and subsequent guidelines issued by the Ministry of Electronics & Information Technology. The 'Class-I local supplier / Class-II local supplier at the time of tender bidding or solicitation shall be required to indicate percentage of local content and provide self-verification that the item offered meets the local content requirement for Class-I local supplier/Class-II local supplier, as the case may be. They shall also give details of location(s) at which the local value addition is made. (b) In cases of procurement for a value in excess 10.00 crore, the 'Class-I local supplier/ 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company in the case of companies) or from practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content (c) False declaration will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the GFR-2017 for which a bidder or its successors can be debarred for up to two (02) years as per Rule 151 (iii) of the GFR-2017 along with such other actions as may be permissible under law.

14. Site Visit: - The interested bidders may visit the proposed site to assess the requirement and better understanding of works proposed. The visit must be on working day only between 1300 to 1700 Hrs. and expenses of visit shall be borne by bidders only. Preferably before submission of clarification.



Chapter-III

General Terms and Conditions: -

1. Tenders should be quoted only by the Central Government PSUs having sufficient experience and expertise in Supply, Installation, Testing & Commissioning of CCTV Surveillance System and Video Analytics Solution. Bidder should have the OEM authorization from the OEM of major devices which are to be used for CCTV Surveillance System and Video Analytics Solution in the format given at "Annexure-III". The bidder is responsible for the supply of stores. If the Principal Manufacturer withdraws rights of distribution from the bidder during validity period of rate contract, Director, AIIA, DELHI has right to cancel the eligibility of the bidder and accept the candidature of new coming authorized distributor. **Any authorization certificate issued in the past for participating in any specific tender shall not be considered as a valid authorization by OEM.**
2. Bidders shall have to submit a detailed proposal and plan regarding execution of works proposed to be carried out, before finalization of technical evaluation of bids as mentioned in this bid. This representation will be before a committee duly constituted by Competent Authority.
3. The offered CCTV/Video analytic devices/IT devices/equipment's should be latest and compatible with the existing CCTV set up of the Institute for smooth integration and functioning.
4. **Patent Rights:** The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.
5. Bidders must have attached affidavit of self-certification regarding local content as prescribed by Central Government/Nodal Ministry for CCTV/ Video analytic system Devices etc.
6. **Country of Origin**
 - i. All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.
 - ii. The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.
 - iii. The country of origin may be specified in the Price Schedule.
 - iv. Bidders may ensure the compliance and guidelines mentioned in Office Memorandum No. 6/18/2019-PPD dated 23rd July 2020 issued by Department of Expenditure, Ministry of Finance and a declaration as per above O.M. must be furnished.
7. **Terms of Delivery:** Goods shall be delivered by the supplier in accordance with the terms of delivery and as per the delivery period specified in the schedule of requirement and Supply & Delivery Clause in General Terms and Conditions Section. Please note that the time shall be the essence of the contract.

8. Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement: The supplier will arrange transportation of the ordered goods as per its own procedure up to Consignee Site (i.e. AIIA, DELHI, GAUTAMPURI, SARITA VIHAR, DELHI- 110076).

9. **Tender currencies:** The Bidder supplying indigenous goods or already imported goods shall quote only in Indian Rupees (INR) in the Financial Bid Format given at Annexure-V. A Bidder quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India, in case their bid is found to be the lowest one after opening of financial bid.

10. Tender Prices:-

- i. If there is more than one schedule in the Schedule of Requirements, the Bidder has the option to submit its quotation for any one or more schedules. However, while quoting for a schedule, the Bidder shall quote for the complete requirement of goods and services as specified in that particular schedule.
- ii. While filling up the columns of the Financial Bid Price Schedule, for domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
 - a. Any taxes and duties including Custom duty and/or GST, which will be payable on the goods in India if the contract is awarded;
 - b. Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage), Loading & Unloading and other local costs etc. incidental to delivery of the goods to their final destination will bear by Bidder;
 - c. The price of Incidental Services, as mentioned in Schedule of Requirement and Price Schedule.
 - d. The prices of Site Modification Work (if any), as mentioned in Schedule of Requirement, Technical Specifications and Price Schedule.
 - e. The Rate quoted for a product or services should be including all taxes. No additional charge/tax etc. will be paid by AIIA, if claimed by Supplier at later stage.
 - f. Rates quoted will remain valid and fixed for entire bid validity period and/or for extended period. Bidder will not be allowed the change/modify rates during bid validity period.
 - g. Rate quoted should be unit wise and rate cannot be quoted beyond Maximum Retail Price (MRP).
 - h. The price of annual CMC, as mentioned in Schedule of Requirement, Technical Specification and Price Schedule (**Wherever applicable**).

Additional information and instruction on Duties and Taxes:

11. (a) **Octroi Duty and Local Duties & Taxes:** Normally, goods to be supplied to Government Departments against Government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned Government Department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the purchaser are exempted from levy of any such

duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser. The purchaser will issue the certificate to the supplier within a week positively from the date of receipt of request from the supplier. However, if a local body still insists upon payment of receipt of such duties and taxes, the same shall be borne by the supplier. The institute will not be responsible for any such payments/reimbursement etc.

(b) Goods and Services Tax (GST) as per GST Act 2017: If a Bidder asks for Goods and Services Tax to be paid extra, the rate and nature of Goods and Services Tax applicable should be shown separately in their GST Compliant Invoices. The Goods and Services Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction is legally liable to Goods and Services Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser

(c) The need for indication of all such price components by the Bidders, as required in this clause (viz., General Terms and Condition **Clause 10**) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected Bidder on any of the terms offered.

12. Warranty for 60 months (to be submitted from OEM on points below)

I. Bidder have to submit a written guarantee/warranty from the manufacturers stating that the Devices/equipment being offered is the latest model as per the specifications and the spares for the equipment will be available for a period of at least 5 years after the guarantee/warranty period.

II. The manufacturer will have to keep the institute informed of any up-date of the equipment over a period of next 5 years and undertake to provide the same to the institute at no extra cost and also, they will supply regularly any items of spare parts requisitioned by the purchaser for satisfactory operation of the equipment till the life span of the equipment, if and when required on agreed price.

III. Guarantee/warranty to the effect that before going out of production of spare parts, the manufacturer and/or Bidders will give adequate advance notice to the purchaser of the equipment so that the later may undertake to procure the balance of the life time requirements of spare parts.

IV. The Guarantee/warranty to the effect that the manufacturer will make available to the institute, the blue-prints and drawing of the spare parts if and when required in connection with the equipment.

V. The supplier has to provide warranty comprehensively for 60 months Onsite Warranty including Spare Parts & Labour etc. that the Equipment/Stores supplied under the contract is new, unused and in corporate all recent improvements and design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the Equipment/Stores supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications) or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied Equipment under the conditions prevailing in India.

- No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.
- Comprehensive Warranty as well as Comprehensive Maintenance contract should be inclusive of all

accessories.

- Replacement and repair will be undertaken for the defective Equipment/Stores.
- Proper marking has to be made for all spares for identification like printing of installation and repair dates.

VI. Upon receipt of such notice, the supplier shall, **within 4 hours on a 24 X 7** basis respond to take action to repair or replace the defective Equipment/Stores or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/ Equipment / Stores after providing their replacements and no claim, what so ever shall lie on the purchaser for such replaced Parts/Equipment/Stores thereafter. Non-replacement will attract appropriate penalty including forfeiture of performance security on repetition of such misconduct.

VII. The bidders shall have to provide one resident Engineer at AIIA premises during working hours from Monday to Saturday.

VIII. The Bidder hereby declares that the goods/equipment/stores/articles supplied to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and the particulars contained/mentioned in the clauses hereof and the Bidder hereby guarantee/Warranty that the said goods / equipment / stores/ articles conform to the description and quality aforesaid. The purchaser will be entitled to reject the said goods/equipment/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality as follows:

- a. Bidder should state categorically whether they have fully trained technical staff or installation/commissioning of the equipment and efficient after sales services.
- b. It is specifically required that the Bidder/Supplier will supply all the operating and service manuals along with blue-prints and drawings including circuit diagram of the equipment supplied as well as its components.

IX. If the supplier, having been notified, fails to take appropriate action to replace the defect(s) **within 4 hours on 24X7 basis**, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier. In case of failure of rectification within given time period, AIIA will take necessary for rectification at their own end. The cost incurred on such rectification shall be borne by the service provider. Additional 5% of cost incurred, will also be charged as administrative expenditure.

13. Bidders are required to quote strictly as per specification of the equipment. If, deviation from specification, it must be brought out clearly giving deviation statement in **Annexure-VII**.

14. Additional features (in case of equipment), if any, should be listed separately in the offer. However, technical and financial evaluation will be done as per the specification mention in the **Chapter-IV**. The bidder should submit an undertaking for acceptance of Terms & Conditions at **Annexure-VIII** including to the effect that they have necessary infrastructure for maintenance of the equipment and will provide accessories/spares as and when required by the indenter for 05 years after expiry of the Warranty period.

15. Applicability of Anti-Profiteering Rule under GST Act 2017: No item should be quoted with price more

than the M.R.P. by any Supplier Agency to AIIA DELHI. The MRP is required to be clearly mentioned on each of the supplied item/its packaging in their offered pack size. The prices should be quoted strictly in accordance with unit/pack Size and Strength/Potency mentioned in the schedule of Requirement at **Chapter-IV.**

The Anti-Profiteering Rule under GST Act 2017 is applicable against this Tender Enquiry on which the Supplier Agency mandatory have to pass on the benefit due to reduction in rate of tax to the AIIA DELHI by way of commensurate reduction in their prices. If any Supplier Agency found defaulter for following of above said rule (i.e. passing all the benefits of GST Tax Regime price reductions to AIIA DELHI), the necessary action deemed fit as per GST Act 2017 shall be initiated against such defaulter firm.

16. Fall Clause: If at any time during the execution of the contract, the Contractor/Manufacture/Distributor/Dealer reduces the sale price or sells or offers to sell such stores, as are covered under the contract, to any person/organization including the purchaser or any department of Central Government or any other AIIA/PSUs at a price lower than the price chargeable under the contract during the Current Financial Year, he shall forthwith notify Director, AIIA DELHI. The necessary difference amount about such reduction or sale or offer of sale to the purchaser and the price payable under the contract for the stores supplied after the date of coming in to force of such reduction or sale or offer of sale shall stand correspondingly reduced and deposited to AIIA DELHI by the Bidder or AIIA DELHI will deduct from the pending bills/Performance Security Deposit to recover the loss to the Government.

17. The Director, AIIA, DELHI has full authority to take into account the performance of manufacturer/authorized dealer or distributor / bidder and they should submit a latest performance certificate (not older than previous financial year 2023-24) from any other Govt. Hospitals/Institutions/PSUs to testify the proper dealing & performance as well as installation and maintenance of IT infrastructure.

18. Terms of Delivery of Products/completion of works and Penalty/Liquidation Damage:

I. Delivery of stores shall be F.O.R to AIIA DELHI. The AIIA DELHI is not liable for payments on account of Freight/Taxes/Expenditures which are to be paid inclusively by the suppliers.

II. The selected Bidder shall be bound to supply and complete the works of Supply, installation, Testing and commissioning with a period of **150 days** from the date of receipt of work order. Thereafter suitable action as deemed fit, will be initiated. The hospital will recover the general damages or extra expenditure incurred in the risk purchase at the risk and cost of the bidder and amount paid in excess shall be deducted from their pending bills. The above shall be in addition to forfeiture of Bid Security and black listing of the firm depending upon the circumstances of the default/gravity of the case.

III. The period of delivery strictly to be followed by the Supplier Agency as per time period communicated through Purchase/Supply Order through e-mail/hard copy through speed post. The penalty of 0.5% of the value of order per week for delay in completion of works subject to maximum of 10% of awarded value. No supplies will be entertained thereafter, and it will be treated as withdrawal by the bidder for which action will be taken as per the bid security declaration and other relevant rules/guidelines issue by Government in this regard. Part supplies will not be accepted / allowed at AIIA DELHI.



19. INSPECTION OF SUPPLIES & ACCEPTANCE:

Inspection will be done by the Committee duly constituted by Director, AIIA, Delhi and or its authorized representatives in AIIA DELHI Hospital premises at designated place in presence of supplier or its representative. Any cost incurred for carry out the inspection/testing etc., shall be borne by Supplier Agency. **The supplied goods/works will be accepted by Institute on approval of the Committee. The Bidders shall have to obtain prior approval of the Committee for the works at different stage as and when required.**

20. INCIDENTAL SERVICES:

The supplier shall be required to perform the following services at Consignee Site:

- a) Installation & commissioning, Supervision and Demonstration of the Equipment/Goods
- b) Providing required jigs and tools for assembly, minor Civil/Electrical/ Plumbing / any other needed engineering works etc. required for the completion of the installation.
- c) Training of Consignee's Doctors, Staff, operator etc. for operating and maintaining the Equipment/Goods, if required.
- d) Supplying required number of operation & maintenance manual for the goods.

21. DISTRIBUTION OF DISPATCH DOCUMENTS FOR CLEARANCE/RECEIPT OF GOODS

The supplier shall send all the relevant dispatch documents well in time to the Purchaser/Consignee to enable the Purchaser/Consignee clear or receive (as the case may be) the goods in terms of the contract. Within 24 hours of dispatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract/purchase Order, the complete details of dispatch and supply the following documents by registered post/ speed post/courier (or as instructed in the contract):

- i. Three copies of supplier's invoices showing contract number, goods description, quantity, unit price and total amount;
- ii. Two copies of packing listed identifying contents of each package; if applicable
- iii. Certificate of origin for goods of foreign origin;
- iv. Insurance Certificate, if applicable
- v. Manufacturers/Supplier's warranty certificate & In-house inspection certificate.
- vi. Work completion certificate from the respective Department

22. Taxes, Duties, Incidental Services and Warranties: Supplier shall be entirely responsible for all taxes, duties, fees, levies, incidental Services, Warranties etc. incurred until delivery of the contracted goods to the purchaser.

23. Terms and mode of payment: Final Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner:

24.1 Payment for Goods: Payment shall be made in Indian Rupees as specified in the contract in the following manner: -

- i. **On Mobilization of work, 20% of the total value of work will be paid.**
- ii. **On supply, Installation, Testing and Commissioning of services and work, 60% of the total value of**

work will be paid. Balance 20% will be released after successful run of the CCTV setup and Video Analytics System, subject to recovery of liquidation damage, if any.

(a) On successful completion of supply, Installation, testing and Commissioning of service and work (Preferably within three weeks' time of "Consignee Receipt Certificate (CRC)" and Subject to submission of following documents:

1. Three copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.
2. Two copies of packing list identifying contents of each package.
3. Inspection certificate, if any.
4. Insurance Certificate, if any.
5. Certificate of origin for imported goods.
6. Consignee Receipt Certificate in original issued by the authorized User Department representatives/Concerned Stores Representative of the consignee.

(b) On successful Operations of the entire CCTV setup and Video Analytics System:-

Balance twenty percent (20%) payment would be made against 'successful operation of the entire CCTV setup and Video Analytics System and issuance of satisfactory report from the reviewing committee/user department subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.

24.2. The supplier shall not claim any interest on payments under the contract.

24.3. Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time by the Government.

24.4. The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.

24.5. While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

24.6. While claiming reimbursement of duties, taxes etc. (like custom duty and/or GST or any other taxes) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forth with.

24.7. In case where the Service Provider is not in position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions: -

✓ The Service Provider will make Equipment/goods for any defect or deficiency that the consignee(s) may

report within six months from the date of dispatch of goods.

✓ Delay in supplies, if any, has been regularized subject to deduction of applicable LD.

✓ The contract price where it is subject to variation has been finalized.

✓ The service provider furnishes the following undertakings on the of appropriate value.

I/We, -----certify that I/We have not received back the Inspection Note Duly receipted by the consignee or any communication from the purchaser or the consignee about non-receipt/non completion of works, shortage or defects in the goods supplied/works assigned. I/W agree to rectify defect or deficiency that the consignee/user may report within three months from the date of receipt of this balance payment.

25. Sub-Letting of works:- Selected Bidders shall not be allowed to sub-let the works to any other agency. In case of any unprecedented situation, it can be done only after approval of Competent Authority in AIIA.

26. OTHERS:

Technical Evaluation Committee/Procurement Committee and other committees as duly constituted by the Competent Authority will decide regarding approval of Items, Rates and Quantities required to be procured (increase/ decrease in either side as indicated at **Chapter IV** for different categories of Equipment /items as per requirement of AIIA, DELHI. Decision of the Director, AIIA will be final and binding to all parties. The Bidder shall not be allowed to transfer, assign, pledge or sub-contract its rights and liabilities under this contract to any other agency (ies) without prior written consent of the Director, AIIA, DELHI. If it is found that the firm has given sub-contract to another Agency, the contract shall stand canceled & the performance security deposit of such Bidder shall be forfeited by AIIA, DELHI. The AIIA, DELHI shall not be responsible for any financial loss or other damaged or injury to any item or person deployed/supplied by the Supplier Agency in the course of their performing the duties to this office in connection with purchase order / supply order for supplying / installation/commissioning of the ordered Equipment /Stores/Goods /Items /service/works at AIIA, DELHI.

27. FORCE MAJEURE:

Any omission or fail to carry out the provision of the contract by the supplier shall not give rise to any claim by any party, one against the either, if such failure of omission or failure arises from an act of God, which shall include all acts of natural calamities such as fire, flood, earthquake hurricane or any pestilence or from civil strikes, compliance with any stature and/or regulation of the Government, lookouts and strikes, riots, embargoes or from any political or other reasons beyond the suppliers control including war (whether declared or not) civil war or state or insurrection, provided that notice or the occurrence of any event by either party to the other shall be given within two weeks from the date of occurrence of such an event which could be attributed to 'force majeure' conditions.

28. DISPUTES AND ARBITRATION:

All disputes or differences arising during the execution of the contract shall be resolved by the mutual discussion failing which the matter will be referred to an Arbitrator who will appointed by the Director,

AIIA, DELHI for Arbitration for settlement of disputes in accordance with Arbitration & Conciliation Act 1996 or its subsequent amendment, whose decision shall be binding on the contracting parties.

29. LAW GOVERNING THE CONTRACT AND JURISDICTION:

The contract Governed under Contract Act 1872 Indian Competition Act 2002 and instructions thereon from the government of India issued in this regard from time to time. The Court of DELHI shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract.

30. PERFORMANCE SECURITY DEPOSIT:

The successful Bidder will be liable to deposit 8% of value of the Contract/Purchase Order as Performance Security Deposit in favor of "Director, AIIA DELHI" by way of "Performance Bank Guarantee" in the format given at Annexure-VI in the form of Fixed Deposit Receipt" from Scheduled Nationalized/Commercial Bank refundable after expiry of the tenders/or after the completion of 5 year warranty period + 2 months (valid for i.e. 62 months) in case of supply of Equipment, subject to successful fulfillment of terms and conditions, on receipt of requisite No dues certificate from the concerned departments/authorities. Security Deposit is liable to be forfeited if the bidder withdraws or impairs or derogates the bid in any respect. For CMC (if applicable) after expiry of warranty period, the 3% Security Deposit of total CMC cost shall be deposited by the Bidder to AIIA, DELHI in the format given at "Annexure-VI".

31. RECOVERY OF EXCESS PAYMENT MADE TO SUPPLIER AGENCY:

If a result of post payment audit any over payment is detected in respect of any supply/works done by the supplier Agency or alleged to have been done by the Agency under this Tender Enquiry, it shall be recovered by the Institution from the Agency and Agency is liable to be deposit back the excess extra amount received by them from their agreeable amount as per Purchase Order/Work Order from AIIA DELHI within 30 days' time period as and when they will receive written request from AIIA DELHI in this connection.

32. UNDER PAYMENT TO BE MADE TO SUPPLIER AGENCY:

If a result of post payment audit any under payment is detected in respect of any supply/work done by the supplier Agency under this Tender Enquiry, it shall be duly paid by the Institution to the concerned Supplier Agency.

33. RESPONSIBILITY OF SUPPLIER AGENCY FOR PROVIDING COPIES OF RELVANT RECORDS:

The Supplier Agency shall provide the copies of relevant records during the period of contract or otherwise even after the contract is over as and when asked by AIIA, DELHI. No bidder/or his representative shall bring or attempt to bring any political or other outside influence to bear upon any superior authority or hospital functionaries to further this business interest. In doing so, tender of the concerned bidder will be rejected without assigning any reason.

34. SERVICE SUPPORT AND REDRESSEAL OF COMPLAINT:

All Bidders have to provide a dedicated/Toll free No. for service support and an Escalation Matrix along

with Name, Designation and Mobile number of contact person.

35. SUBMISSION OF MORE THAN ONE OFFER:

If any bidder is participating in this tender through more than one offer in the capacity of Director/ Proprietor/Partnership in other firms who can access the information of other bidders through any means and mode of connection. If at any stage it is found the formation of cartel, the involve bids will be rejected and bidders will be blacklisted.

36. BID EVALUATION CRITERIA:

- (i) All the bidder shall be primarily evaluated on pre-qualification criterion viz having submitted all relevant documents, fulfilling statutory obligations/compliance, Experience, Turnover etc.
- (ii) The bidders must submit the documents as mentioned in the **Chapter -V** of the bid document. All the document should be submitted along with bid submission. Document submitted at later stage will not be accepted.
- (iii) Only technically qualified bidders shall be considered for financial evaluation.
- (iv) Final Financial value will be based on rate quoted (for works along with required items (including passive items). Price quoted shall be considered final including all taxes/charges etc.



Chapter-IV

Scope of Work and Technical Details along with Requirement-

- **Scope & Objective:** To provide a comprehensive CCTV surveillance system Integrated with video analytics system at AllA, New Delhi Campus. The solution aims to enhance security, patient safety, operational efficiency, and compliance with regulatory standards.
- **Key Security Concerns:**
 - Unauthorized access to restricted areas.
 - Patient and staff safety.
 - Monitoring of sensitive areas such as the pharmacy and operating rooms.
 - Ensuring compliance with health and safety regulations.
 - Lift Emergency Calling System
 - Parking Management System
 - 24/7 Video Analytics and Surveillance
 - Perimeter Protection
- **System Components**
 - CCTV Cameras:** High-definition, IP-based cameras with night vision, wide dynamic range, and PTZ (Pan-Tilt-Zoom) capabilities.
 - ✓ **A PTZ (Pan-Tilt-Zoom)** camera is a type of surveillance camera that offers advanced control over the camera's orientation and zoom capabilities. These cameras are widely used in various security and monitoring applications due to their flexibility and ability to cover large areas.
 - ✓ **A Bullet camera** is a type of video surveillance camera for Perimeter surveillance
 - ✓ **Dome cameras** used for security and surveillance within buildings.
 - ✓ **A Corner mount camera** is a type of surveillance camera designed specifically to be installed in the corner of a room or building.
 - ✓ **A Multi-sensor camera** is a surveillance camera that integrates multiple sensors or camera modules into a single unit. This design allows it to capture video from several perspectives or at various focal lengths simultaneously, providing enhanced coverage and versatility.
 - ✓ **A Dual sensor camera** is a surveillance camera that features two distinct sensors or camera modules integrated into a single unit. This design allows it to capture video from two different perspectives or at different focal lengths simultaneously, providing enhanced coverage and versatility.
- **Video Management System (VMS):**
 - Centralized platform to manage video feeds, recordings and analytics data.

- **Video Analytics:**

AI-driven analytics for real-time alerts and insights, including facial recognition, intrusion detection, loitering detection, and object left/removed detection.

- **Storage Solution:** On-premise and cloud-based storage options with redundancy for data integrity.

- **Network Infrastructure:** High-bandwidth, secure network to support the system.

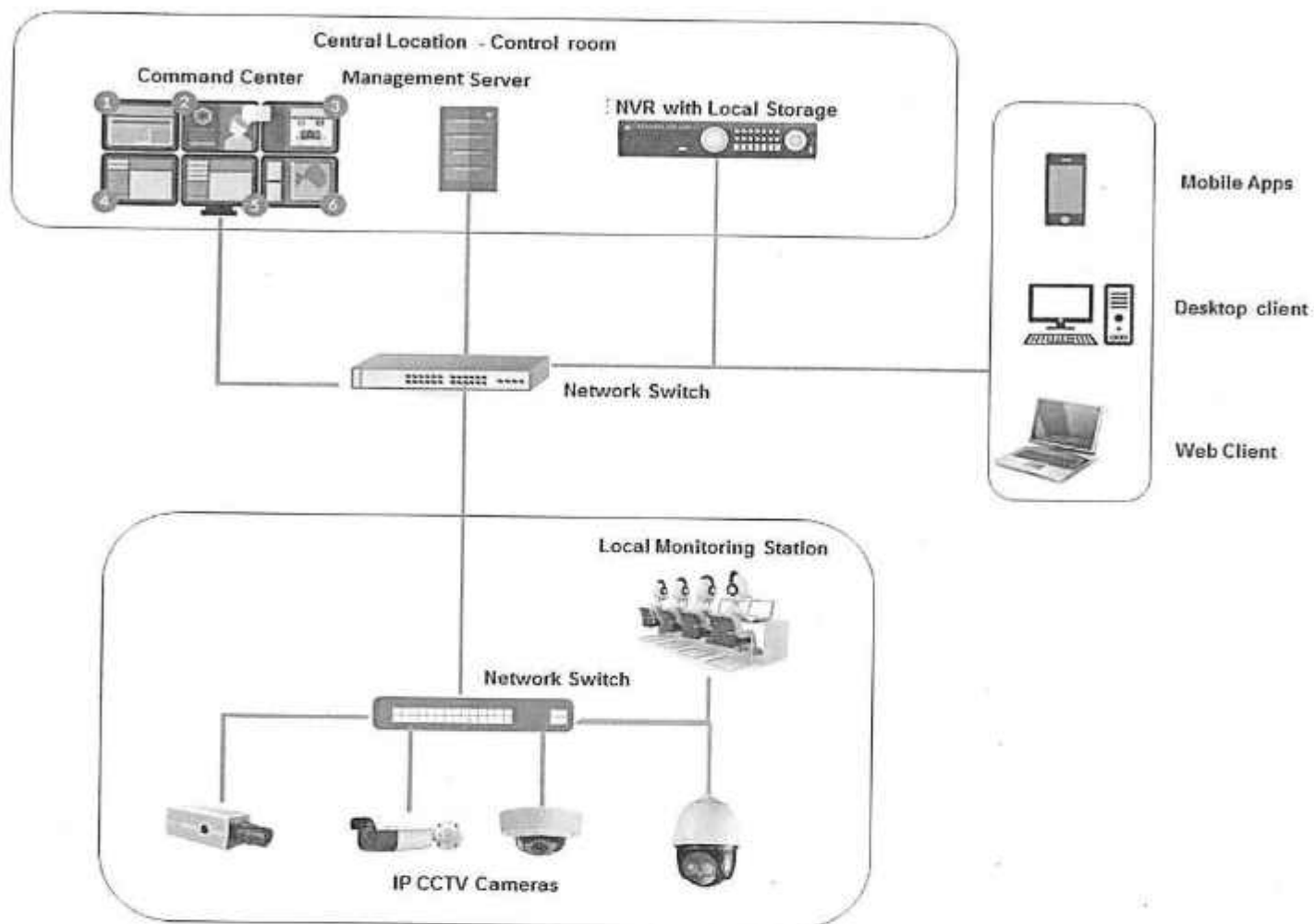
- **Compliance of MHA (Police Modernization Division, Prov-III Desk), Govt. of India order No. IV-24011/22/2020- Prov-I/270 dated 26.04.2024:** Bidder shall abide to strict adherence of relevant guidelines of "Amendment to the electronics and information technology goods (requirement of compulsory registration) order, 2021" (essential requirement of security of CCTV) issued by Ministry of electronics and Information Technology (IPHW Division).

Key Features:

- ✓ **24/7 Monitoring:** Continuous surveillance with live video feeds accessible from a centralized security control room.
- ✓ **Object Recognition:** For identifying unauthorized individuals and managing access control.
- ✓ **Behavioral Analytics:** Detects unusual behavior such as loitering, aggression, or someone falling.
- ✓ **Access Control Integration:** Synchronization with hospital access control systems to enhance security.
- ✓ **Alarm Integration:** Trigger alerts for security breaches, unauthorized access, or emergency situations.
- ✓ **Data Privacy Compliance:** Encryption and data protection measures to comply With NDAA, TAA Compliance.
- ✓ **Enhance visibility:** Installing hospital CCTV systems in crucial areas like the ER provides complete coverage and boosts safety.
- ✓ **Detect faster:** Hospital video surveillance with 360-degree views allow unusual activities to be detected immediately.
- ✓ **Keep data safe:** Our cybersecurity team works at every stage to keep hospital data.



System Architecture



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Bill of Material:-

S.no.	Description	Quantity
1	5 MP Fixed Bullet Camera : As per Technical Specification	31
2	SITC of 5 MP Fixed Dome Camera : As per Technical Specification	125
3	20 MP (4x5MP) PTRZ IR Multi Sensor Camera: As per Technical Specification.	2
4	Dual Sensor Camera: As per Technical Specification	9
5	5 MP Corner Mount Camera : As per Technical Specification	4
6	PTZ Camera (30 X Optical Zoom , 12x Digital Zoom): As per Technical Specification	5
7	Video Management Software : As per Technical Specification and BOQ	176
8	Video Analytics- Crowd and People Counting : As per Technical Specification	2
9	Perimeter protection for Boundary Wall : As per Technical Specification and BOQ	18
10	Integrated license plate recognition LPR system.: As per Technical Specification	4
11	Option for controlling and documenting vehicle movements at entrances and exits using the Vehicle Access Manager. : As per Technical Specification and BOQ	1
12	Analytics Server for software solutions: As per Technical Specification	1
13	Network Video Recorder System (128 Channels) : As per Technical Specification	2
14	Client work stations for software solutions: As per Technical Specification and BOQ	6
15	Boom Barrier: As per Technical Specification	1
16	Lift Communication & Operation with Single emergency call button: As per Technical Specification and BOQ	9

17	24 Port core switches with minimum 24x1G SFP ports, 4x10GSFP+ ports or higher along with SFP+ Modules: As per Technical Specification	2
18	8 port POE with 200 Watt POE Budget and 4 x 10sfp+ uplink with SFP: As per Technical Specification	36
19	NGFW- Firewall	1
20	LED Video Panel of Size 55", 1.8 MM Bezel Brightness 500 nits with Push Pull Bracket: As per Technical Specification	4
21	6 U Rack Indoor With Accessories: As per Technical Specification	31
22	6 U Rack Outdoor With Accessories: As per Technical Specification	6
23	42 U Rack Indoor With Accessories: As per Technical Specification	1
24	SITC of 10 KVA Ups with 30 Minute Backup: As per Technical Specification	1
25	Network points, Included Cat 6 UTP Cable , Singal Mode Fiber Cable , CAT 6 and Fiber Patch Cord, 4 Mtr. Pole and Bullet Camera Mount With Accessories.	176
26	One time Installation, Testing, Commissioning and 5 years support of Active and Passive Components.	1



Technical Specifications: -

Bullet Camera			
Make:			
Model No:			
S.No	Parameter	Description	Compliance (Yes/No)
1	Image Sensor	1/2.8" Progressive Scan CMOS Sensor	
2	Effective Pixels	2560 x 1920	
3	Min. Illumination	Color 0.015Lux @ 1/4, F1.6, 50IRE, AGC ON; B/W 0.015Lux @ 1/4, F1.6, 50IRE, AGC ON; 0Lux with IR ON	
4	Shutter Speed	1/4s to 1/32000s	
5	S/N Ratio	≥52 dB AGC ON	
6	Memory Capacity	1GB RAM and 512MB Flash	
7	Focal Length	2.7mm to 13.5mm	
8	Iris Type	P-Iris	
9	Video Compression	H.265 / H.264 / MJPEG	
10	Resolution with aspect ratio	2560 x 1920, 800 x 600 @ 4:3 2560 x 1440, 1920 x 1080, 1664 x 936, 1280 x 720, 1024 x 576, 816 x 464, 800 x 448, 640 x 360, 480 x 272 @ 16:9	
11	Max. Frame Rate	30fps @ all resolution (up to 60 fps on resolution of 1920x1080 or lower with TWDR off)	
12	Multiple Streaming	Triple streams	
13	Main Stream (H.265/H.264/MJPEG)	2560 x 1920 / 2560 x 1440 / 1920 x 1080 / 1664 x 936 / 1280 x 720 (1 - 30fps)	
14	Sub Stream (H.265/H.264/MJPEG)	1280 x 720 / 1024 x 576 / 800 x 600 / 816 x 464 / 640 x 360 / 480 x 272 (1 - 30fps)	
15	Third Stream (MJPEG)	704 X 576 (15fps)	
16	Quality Control	VBR, CBR & CVBR supported	
17	Image Setting	time stamp, text overlay, flip & mirror, ROI, Saturation, Brightness, Contrast, Wide Dynamic, Sharpen, white balance, video rotation, AGC etc	

18	EIS	Yes	
19	Slow Shutter	Yes	
20	Audio Communication	Bi-directional audio (2-way), 1IN/1OUT	

21	Audio Compression Format	G711ulaw	
22	Audio Noise Reduction	Supported	
23	Day & Night	True Day Night (TDN) with automatic removable cut filter	
24	Wide Dynamic Range	True WDR, 120dB	
25	IR Distance	Up to 70m	
26	Image Features	Defog, Multiple Exposure Method, 2D/3D DNR	
27	Corridor Pattern	Supported	
28	Video Privacy	8 zones video mask	
29	AI Object Analytics	Object Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class Trigger Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned / Removed, Enter, Exit, Crowd, Queue Object Sub-Classes: Person Clothing Colour, Vehicle Colour	
30	AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)	
31	Alarm Triggers	Motion detection, AI video analytics, Blur and Tamper AI, Alarm input	
32	AI Blur Detection	Supported	
33	Event Triggers	FTP Upload, CIFS, SMTP, Snapshots, SD Card Record, SIP Call , Audio clip playback	
34	Motion Detection Zones	3 Zones	
35	Edge Storage	Built-in micro SD card slot, up to 1TB (Encrypted Storage)	
36	Record Triggers	Motion detection, AI video analytics, Blur and Tamper AI, Alarm input	
37	Recording Format	MP4	
38	Network Protocol	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast,	

		Multicast, NTP, SMTP, WS-Security, SNMP, CIFS, FSTP, UPnP™, SIP	
39	Pre-Alarm Recording	Supported	
40	Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission	
41	API	ONVIF Profile S, G, T & M	

42	Cyber Security	Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming	
43	Web Browser Supported	MS Edge, Firefox, Safari, Chrome	
44	Network	1 RJ45 10M/100M self-adaptive ethernet port	
45	Audio	Internal MIC, Line IN × 1, Line OUT × 1	
46	Video Output	CVBS video output (BNC × 1)	
47	Alarm	Alarm IN x 1, Alarm OUT x 1	
48	Hardware Reset & Factory Reset Button	Yes	
49	Power Supply	PoE & 12VDC support power supply failover	
50	Operating Temperature	Temperature - 40°C to 60 °C	
51	Operating Humidity	0% ~ 95% relative humidity	
52	Ingress Protection	IP67	
53	Vandal Resistance	IK10	
54	Certification	CE, FCC, UL & BIS,NDAA	
55	Warranty	3 year warranty	

5MP Dome Camera

Make:

Model No:

S.No	Parameter	Description	Compliance (Yes/No)
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1	Image Sensor	1/2.8" Progressive Scan CMOS Sensor	
2	Effective Pixels	2560 x 1920	
3	Min. Illumination	Color 0.015Lux @ 1/4, F1.6, 50IRE, AGC ON; B/W 0.015Lux @ 1/4, F1.6, 50IRE, AGC ON; 0Lux with IR ON	
4	Shutter Speed	1/4s to 1/32000s	
5	S/N Ratio	≥52 dB AGC ON	
6	Memory Capacity	1GB RAM and 512MB Flash	
7	Focal Length	2.7mm to 13.5mm	
8	Iris Type	P-Iris	
9	Video Compression	H.265 / H.264 / MJPEG	

10	Resolution with aspect ratio	2560 x 1920, 800 x 600 @ 4:3; 2560 x 1440, 1920 x 1080, 1664 x 936, 1280 x 720, 1024 x 576, 816 x 464, 800 x 448, 640 x 360, 480 x 272 @ 16:9	
11	Max. Frame Rate	30fps @ all resolution (up to 60 fps on resolution of 1920x1080 or lower with TWDR off)	
12	Multiple Streaming	Triple streams	
13	Main Stream (H.265/H.264/MJPEG)	2560 x 1920 / 2560 x 1440 / 1920 x 1080 / 1664 x 936 / 1280 x 720 (1 - 30fps) MJPEG only on 1920x1080 or lower	
14	Sub Stream (H.265/H.264/MJPEG)	1280 x 720 / 1024 x 576 / 800 x 600 / 816 x 464 / 640 x 360 / 480 x 272 (1 - 30fps)	
15	Third Stream (MJPEG)	704 X 576 (15fps)	
16	Quality Control	VBR, CBR & CVBR supported	
17	Image Setting	time stamp, text overlay, flip & mirror, ROI, Saturation, Brightness, Contrast, Wide Dynamic, Sharpen, white balance, video rotation, AGC etc.	
18	EIS	Yes	
19	Slow Shutter	Yes	
20	Audio Communication	Bi-directional audio (2-way), 1IN/1OUT	
21	Audio Compression Format	G711ulaw	

22	Audio Noise Reduction	Supported	
23	Day & Night	True Day Night (TDN) with automatic removable cut filter	
24	Wide Dynamic Range	True WDR, 120dB	
25	IR Distance	Up to 50m	
26	Image Features	Defog, Multiple Exposure Method, 2D/3D DNR	
27	Corridor Pattern	Supported	
28	Video Privacy	8 zones video mask	
29	AI Object Analytics	Object Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class Trigger Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned / Removed, Enter, Exit, Crowd, Queue Object Sub-Classes: Person Clothing Colour, Vehicle Colour	
30	AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)	

31	Alarm Triggers	Motion detection, AI video analytics, Blur and Tamper AI, Alarm input	
32	AI Blur Detection	Supported	
33	Event Triggers	FTP Upload, CIFS, SMTP, Snapshots, SD Card Record, SIP Call , Audio clip playback	
34	Motion Detection Zones	3 Zones	
35	Edge Storage	Built-in micro SD card slot, up to 1TB (Encrypted Storage)	
36	Record Triggers	Motion detection, AI video analytics, Blur and Tamper AI, Alarm input	
37	Recording Format	MP4	
38	Network Protocol	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast, Multicast, NTP, SMTP, WS-Security, SNMP, CIFS, FSTP, UPnP™, SIP	
39	Pre-Alarm Recording	Supported	
40	Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission	

41	API	ONVIF Profile S, G, T & M	
42	Cyber Security	Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming	
43	Web Browser Supported	MS Edge, Firefox, Safari, Chrome	
44	Network	1 RJ45 10M/100M self-adaptive ethernet port	
45	Audio	Internal MIC, Line IN x 1, Line OUT x 1	
46	Video Output	CVBS video output (BNC x 1)	
47	Alarm	Alarm IN x 1, Alarm OUT x 1	
48	Hardware Reset & Factory Reset Button	Yes	
49	Power Supply	PoE & 12VDC, support power supply failover	
50	Operating Temperature	Temperature - 40 Deg Celcius to 60 Deg Celcius	
51	Operating Humidity	0% ~ 95% relative humidity	

52	Ingress Protection	IP67	
53	Vandal Resistance	IK10	
54	Certification	CE, FCC, UL & BIS, NDAA	
55	Warranty	3 year warranty	

20MP (4x 5MP) PTRZ IR Multisensory

Make:

Model No:

S.No	Parameter	Description	Compliance (Yes/No)
1	Video Compression	H.264 / H.265 / MJPEG	
2	Max Frame Rate	5MP @ 30fps, 2MP @ 60fps	
3	Resolution & Aspect Ratio	2560x1920 (5MP) 4:3 2560x1444 (4MP) 16:9 1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x720 (720p) 16:9	

4	Imager	Sony 1/2.8" CMOS image sensor	
5	Image Orientation Settings	None, Mirror, Flip, Flip and Mirror, Corridor (rotate 90° right or left)	
6	Video Streams	Quad Streaming (per sensor)	
7	Bitrate Control	CBR, VBR, CVBR	
8	Lens Type	Motorized Varifocal and Focus, P-Iris	
9	Focus Control	One-Touch Auto Focus or Remote Adjustment	
10	Focal Length	2.7-13.5mm	
11	Sensor Module Control	Remotely repositionable Pan, Tilt & Rotate (PTR) per sensor module	
12	Field of View Wide (H/V)	103°/74°	
13	Field of View Telephoto (H/V)	33°/25°	
14	Aperture	f/1.4 (W) , f/2.8 (T)	
15	Minimum Illumination	Color, 1/4s, 30 IRE, AGC 0.11 Lux, B/W, 1/4s, 30 IRE, AGC 0.06 Lux, W/IR 0.0 Lux	
16	IR Distance	Up to 30 m (98 ft)	
17	Dynamic Range	True WDR 120 dB Technologies	
18	SmartWDR	Supported	
19	Day/Night	True Day/Night CF Removal	

20	Picture Settings	Auto Exposure: Multiple Profiles (incl Auto, Gaming, LPR); Multiple ROI (incl AI ROI: Object, Person, Face), Smart Defog, Gain Control (Auto, Max, Manual), Flickerless White Balance: Auto Normal, Auto Wide, Manual	
21	Shutter Speed	≥ 1/10,000 to 1/4 s	
22	ONVIF Conformance	Profile S	
23	Smart Defog	Supported	
24	Privacy Zones	10 Per Sensor	
25	Alarm Input/Output	2 input, 2 output	
26	Audio	Bi-directional; 1 input, 1 output	
27	Simultaneous Users	10	
28	Supported Languages	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Russian, Spanish,	

		Swedish,Turkish	
29	AI Face Detection	Supported	
30	AI Object Classification	Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Cart, Backpack, Handbag, Suitcase, Any Class ; Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue ; Sub-Classes: Person Clothing Colour, Vehicle Colour	
31	AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)	
32	AI Blur Detection	Supported	
33	AI Metadata	Supported	
34	Motion Detection Zones	3 Zones Per Sensor	
35	Ethernet Interface	10/100/1000 BaseT, RJ-45, Auto-Negotiation	
36	Supported Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS- Discovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast, Multicast, NTP, SMTP, WS-Security, SNMP, CIDS, FSTP, UPnP™, SIP	
37	Web Browsers	Microsoft Edge, Firefox, Safari, Chrome	

38	Security	Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS, 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming.	
39	Card Support	Built-in Quad Micro SDXC slot up to 2TB per slot; Card not included	
40	Pre-Alarm Recording	Yes	

41	Recording Format	MP4 File Format	
42	Recording Trigger	Dry Contact Alarms, Motion Detection, Face Detection, AI Object Classification, Periodic Events	
43	TrickleStor	Yes, encrypted storage	
44	Power	Power over Ethernet (PoE) IEEE 802.3bt Type 4 Class 8; 24 VAC, Max Draw: PoE 71.3W, 24 VAC 71.3W,	
45	Dual Power	Supported	
46	Operating Temperature	Temp -40°C (-40°F) to +55° C (131°F)	
47	Humidity	Up to 90% Non-Condensing	
48	Vandal Resistant	IK10	
49	Outdoor Rating	IP66	
50	Safety	EN50121-4; EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950	
51	Emissions	FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A	
52	Immunity	EN55024; EN50130-3	
53	Environment	RoHS; WEEE	
54	NDAA & TAA Compliant	Yes	

Dual Sensor Camera

Make:

Model No:

S.no	Parameter	Description	Compliance (Yes/No)
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1	Image Sensor	Sony 1/2.8" Progressive Scan CMOS imager	
2	Lens	3.42 mm – 6.85 mm, motorized focus and zoom, P-Iris F/1.85(W) – F/2.4(T) One Touch auto focus, manual and automatic focus with zoom	
3	Field of View (FoV)	H: 99.7° - 45.5° ,V: 68.1° - 32.7°	
4	Day/Night	True Day/Night CF removal	
5	Minimum Illumination	Color: 0.13 lux ,B/W: 0.04 lux, IR on: 0 lux	

6	Sensor Module Control	Each sensor manually repositionable	
7	Camera Angle Adjustment	Pan 355°, Tilt 60°, Rotation 355°	
8	Electronic Shutter Control	Automatic, Manual (1/4 to 1/32000 sec)	
9	IR Illumination*	Dedicated IR per sensor 850 nm LEDs, 35 m (114.83 ft) Individually controllable	
10	Memory	2048 MB RAM, 8192 MB Flash	
11	Video Compression	H.264/H.265/MJPEG	
12	Bitrate Control	CBR/VBR/CVBR (configurable)	
13	Max Frame Rate (60 Hz/50 Hz)	2MP: 60/50 fps/5MP: 30/25 fps	
14	Dynamic Range	True multi shutter WDR up to 120dB SmartWDR, TWDR 2x, TWDR 3x	
15	Motion Detection Zones	6 zones supported (3 zones per sensor)	
16	Network Users	10 users	
17	Smart Defog	Supported	
18	Image Orientation	None, Mirror, Flip, Flip and Mirror	
19	Corridor Mode (rotate 90° right or left)	Required	
20	Picture Settings	Auto Exposure: Multiple Profiles (incl Auto, Gaming, LPR), Multiple ROI (incl AI ROI: Object, Person), Gain Control (Auto, Max, Manual), Flicker less, White Balance (Auto Normal, Auto Wide, Manual), text overlay	
21	Privacy Zones	20 user definable rectangular zones (10 per sensor)	

22	Image Stabilization	Electronic Image stabilization (EIS) using gyro sensor	
23	Analytics AI	Object Classification Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue Sub-Classes: Person Clothing Color	

		(Upper, Lower), Vehicle Color	
24	AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)	
25	AI Blur Detection	Supported	
26	AI Metadata	Supported	
27	Network	IEEE 802.3, 10/100Base-T Ethernet, RJ45, auto sensing	
28	Cyber security	ISA Secure ISA/IEC 62443-4-1 certified secure development Secure boot Signed and encrypted firmware	
29	Authentication and Security	TLS, HTTPS (HTTP over TLS), WS-Security, Certificate Management, Multi-level password protection, IP address filtering, HTTPS encryption, Enhanced Security (One-Click Security Hardening), User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE 802.1x (PEAP, EAP-TLS, EAPoL)	
30	Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS- Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS- Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WS- Addressing, CIFS, UPNP, LLDP, QoS, SIP, ARP, EAP-LEAP, QoS, SNMPv1/v2c/v3(MIB-2)	
31	Video Streams	Triple Streaming with a maximum of 5 concurrent shared streams (per sensor) Dual Full HD Video Stream Supported (per sensor)	
32	Event Triggers	Motion Detection, Tamper & Blur Detection, AI Object classification, Alarm Input, Network Loss, Periodic Event, Temperature	

33	Event Actions	Record to SD card, Snapshot, SMTP e-mail file transfer, FTP file transfer, CIFS, Auxiliary output, Audio clip playback, SIP Call	
34	Audio compression	G.711 μ -law	

35	Audio Input/output	Bi-directional, 1x Line input and 1x Line output	
36	External I/O Terminals	1x Alarm In and 1x Alarm Out	
37	Onboard Storage	2 x micro SDXC slots, Class 10 or better, upto 2TB supported (1TB per slot), Card not included. Pre event / Post event 1- 10 sec Encrypted storage and streaming	
38	Power	Power over Ethernet (PoE+) IEEE 802.3at Type 2 Class 4 24VAC	
39	Dual Power Redundancy	Supported	
40	Operating Condition	Operating temperature: -40°C (-40°F) to +60° C (140°F) Start-up temperature: -40°C (- 40°F) Humidity: up to 95% RH, Non-Condensing	
41	Casing	IP66, IP67, NEMA 4x and IK10 rated	
42	EMC	BS/EN 55032 Class A, FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A, IEC/BS/EN 61000-3-2, BS/EN 61000-3-3, BS/EN 50130-4, IEC 61000-4-2/3/4/5/6/11	
43	Safety	CAN/CSA C22.2, BS/EN 62368-1, UL 62368-1, AS/NZS 62368-1, J62368-1, CEI EN 62368-1 EN50121-4, EN60950-1, UL60950-1, IEC 60950-1, CSA 22.2 No. 60950	
44	Environment	NEMA 250 Type 4X, IEC 62262 (IK10), IEC 60529 (IP66/67),	
45	Web Browsers	Microsoft Edge, Firefox, Safari, Chrome	
46	NDAA Compliant	Yes	
47	TAA Compliant	Yes	
5MP Corner Mount Camera			

Make:			
Model No:			
S.no	Parameter	Description	Compliance (Yes/No)

1	Image sensor	Sony 1/2.8" progressive scan ultra-lowlight CMOS sensor	
2	Lens	2.3 mm, F2.2, fixed focus, fixed iris Field of view: Horizontal 132°, vertical 97°	
3	Day and night	True D/N by mechanically removable IR-cut filter, thresholds adjustable	
4	Minimum illumination	Color: 0.17 lux B/W: 0.06 lux 0 lux when IR on	
5	Shutter speed	1/32,000 sec ~ 1/4 sec	
6	IR illumination	940 nm invisible IR, effective 10x10 m (33x33 ft) space	
7	White light illumination	White LED, luminance or warning, effective 2x2 m (6.5x6.5 ft) space	
8	Video compression	H.264/H.265	
9	Resolution and frame rate	Up to 2560x1920 (4:3) at 30/25 fps	
10	Video streaming	H.264 and H.265 Quad streaming CBR/VBR/CVBR configurable bitrate control Higher compression ROI	
11	Wide dynamic range	True WDR 120dB technologies Smart WDR, TWDR 2x, TWDR 3x Smart Defog	
12	Smart image processing	AI Auto exposure: Object, person, face Smart auto exposure profiles: Gaming, LPR, various others	

13	Image settings	Configurable color contour, auto exposure, AE compensation, auto white balance, auto gain control, auto electronic shutter, flickerless, image orientation, text overlay Digital noise reduction 2D/3D Privacy mask	
14	Image stabilization	Electronic image stabilization (EIS)	
15	Audio compression	G.711 μ -law	
16	Audio streaming	Bi-directional, full duplex	
17	Audio input/output	Built-in Microphone, Speaker 1x Line-in, 1x line-out, terminal block	
18	AI Object classifications		

19	Classes	Person Vehicle Retail Suspicious objects	
20		Person Bicycle, bus, car, motorbike, train, truck Cart Backpack, handbag, suitcase	
21	Sub-classes	Person clothing colors (upper, lower), vehicle colors	
22	Rules	Object detected, abandoned/removed objects, direction, linger, dwell, enter, exit, crowd, queue, perimeter	
23	AI Face detection	Yes	
24	AI Tamper detection	White out, black out, scene change	
25	AI Blur detection	Yes	
26	AI Metadata	Yes	
27	AI Smart search	AI Person Re-ID	
28	Video motion detection	Yes	
29	Ethernet	IEEE 802.3, 10/100 Base-T, 1x RJ45, auto sensing	

30	Cyber security	ISASecure ISA/IEC 62443-4-1 certified secure development Secure boot, Signed and encrypted firmware	
31	Network security	Multi-level password protections, brute force delay protection, IP address filtering, HTTPS encryption, IEEE 802.1x (PEAP, EAP-TLS, EAPoL), digest authentication, HTTPS over TLS, WS-Security, certificate management, enhanced security (one-click security hardening, user access log, validate complex credentials, disabling unused protocols)	



32	Supported protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WS-Addressing, CIFS, UPNP, LLDP, QoS, SIP, Hostname configuration	
33	Network management	SNMP v2c/v3	
34	Simultaneous users	10	
35	Alarm	1x Line-in, 1x relay line-out (30V, 1A), terminal block 1x Tamper switch	
36	Application program interface	ONVIF Profile S, Profile G, Profile M, Profile T	
37	Event triggers	Video analytics, alarm input, casing open, network loss, temperature	
38	Event handling	Record to SD, snapshot, SMTP email out, FTP upload, CIFS, alarm output, playback audio clip, SIP call, flash white LED	
39	Onboard storage	1x microSDXC slot, Class 10 or higher, up to 2TB capacity, card not incl 1~10 sec pre/post-event buffering Encrypted storage and streaming	
40	Vandal resistance	IK11 50 joules impact-resistant rated	
41	Weathering resistance	IP68/67/66 rated, NEMA 250 Type 4X certified	
42	Reset buttons	1x Reboot, 1x factory reset	

43	Power source	PoE: IEEE 802.3af Type 1 Class 3, PoE+: IEEE802.3at Type 2 Class 4 24 VAC, 1A, terminal block 12 VDC, 1.4A, terminal block	
44	Power consumption (max)	PoE 12.95 W, PoE+ 25.5 W 24 VDC 16.5 W 12 VDC 16.8 W	
45	Dual power redundancy	Supported	
46	Operating conditions	PoE+ & 24 VAC: -40 °C ~ 60 °C (-40 °F ~ 140 °F) PoE & 12 VDC: -20 °C ~ 60 °C (-4 °F ~ 140 °F) Maximum temperature (intermittence): 65 °C (165 °F) Up to 0 ~ 95% RH non-condensing	

47	EMC	BS/EN 55032 Class A, IEC/BS/EN 61000-3-2, BS/EN 61000-3-3, BS/EN 50130-4, IEC 61000-4-2/3/4/5/6/11, FCC Part 15 Subpart B Class A, ICES-003/NMB-003 Class A, RCM AS/NZS CISPR 32 Class A	
48	Safety	IEC/UL/CB 62368-1, CAN/CSA-C22.2 No. 62368-1 IEC/UL/CB 60950-1, CAN/CSA-C22.2 No. 60950-1, IS 13252 (Part 1)	
49	Environment	NEMA 250 Type 4X, IEC/EN 62262 (IK11), IEC/EN 60529 (IP68/67/66) RoHS, WEEE, REACH	
50	NDAA compliant	Yes	

PTZ Camera (30 X Optical Zoom , 12x Digital Zoom)

Make

Model

S. No.	Minimum Specification	Description	Compliance (Yes/No)
1	Image Sensor	Sony 1/2.8" Progressive Scan CMOS imager	

2	Lens	4.5 mm – 135 mm, MFZ, P-iris F/1.4(W) – F/4.4(T)	
3	Field of View (FoV)	H: 59.8° - 2.34° V: 40.5° - 1.48°	
4	Day/Night	True Day/Night CF removal	
5	Minimum Illumination	Color: 0.01 lux, B/W: 0.007 lux IR on: 0 lux	
6	Electronic Shutter Control	Automatic, Manual (1/4 to 1/32000 sec)	
7	IR Illumination	850 nm LEDs, Adaptive/Smart IR Outdoor: 200 m (656 ft)	
8	Memory	1024 MB RAM, 4096 MB Flash	
9	Pan/Tilt/Zoom	Pan: 360° continuous endless, 0.04° - 300°/s Tilt: +15° to -90°, 0.04° - 180°/s (indoor/outdoor with IR) Tilt: -15° to -90°, 0.04° - 180°/s (indoor with bubble) Zoom: 30x optical, 12x digital, total 360x zoom Auto flip, 300 presets, 96 sequences, 16 programmable pattern, Apple peel, adjustable zoom speed, home position (Preset, Pattern, Sequence, or Scan after no PTZ activity)	
10	Video Compression	H.264/H.265/MJPEG	

11	Bitrate Control	CBR/VBR/CVBR	
12	Max Resolution	1920 x 1080 (2MP) to 480x272	
13	Max Frame Rate (60 Hz/50 Hz)	2MP: 60/50 fps	
14	Video Streams	Triple Streaming with a maximum of 5 concurrent shared streams	
15	Dynamic Range	True multi shutter WDR up to 120dB Off, SmartWDR, TWDR, TWDR 3x	
16	Smart Defog	Supported	

17	Picture Settings	Auto Exposure: Multiple Profiles (incl Auto, Gaming, LPR), Multiple ROI (incl AI ROI: Object, Person), Gain Control (Auto, Max, Manual), Flickerless, White Balance (Auto Normal, Auto Wide, Manual), text overlay	
18	Privacy Zones	10 user definable rectangular zones	
19	Image Stabilization	Electronic Image stabilization (EIS) by using gyro sensor	
20	Analytics	Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue, Direction ,Sub-Classes: Person Clothing Color (Upper, Lower), Vehicle Color	
21	AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)	
22	AI Blur Detection	Supported	
23	AI Metadata	Supported	
24	Motion Detection Zones	Yes (Single Full screen Zone)	
25	Intelligent Guard (Auto Tracking)	Person Tracking	
26	Network	IEEE 802.3, 10/100Base-T Ethernet, RJ45, auto sensing	
27	Cyber security	ISASecure ISA/IEC 62443-4-1 certified secure development Secure boot Signed and encrypted firmware	
28	Authentication and Security	TLS, HTTPS (HTTP over TLS), WS-Security, Certificate Management, Multi-level password protection, IP address filtering, HTTPS encryption, Enhanced Security (One-Click Security Hardening), User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE 802.1x (PEAP, EAP-TLS, EAPoL)	

29	Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WS-Addressing, CIFS, UPNP, LLDP, SIP, ARP, EAP-LEAP, QoS	
30	Network management	SNMPv1/v2c/v3(MIB-2)	
31	Simultaneous users	10 users	
32	Application Programming Interface	ONVIF Profile S, G, T, M conformant	
33	Event Triggers	Motion Detection, Tamper & Blur Detection, AI Object classification, Alarm Input, Network Loss, Periodic Event, Temperature	
34	Event Actions	Record to SD card, Snapshot, SMTP e-mail file transfer, FTP file transfer, CIFS, Auxiliary output, Audio clip playback, SIP Call	
35	Audio compression	G.711 μ -law	
36	Audio Input/Output	Bi-directional, 1x Line input and 1x Line output	
37	External I/O Terminals	2x Alarm In and 2x Alarm Out	
38	Onboard Storage	Micro SDXC slot, Class 10 or better, upto 1TB supported (Card not included). Pre event / Post event 1-10 sec Encrypted storage and streaming TrickleStor offline recording and backfilling	
39	Power	Outdoor: IEEE 802.3bt PoE++ Type 4 Class 7 24VAC 48VDC PoE/24VAC: 51.6W; 48VDC: 48.5W	
40	Dual Power Redundancy	Supported	

41	Operating Temperature	Outdoor: -40°C (-40°F) to +65° C (149°F) (IR off at +60° C/140° F) Start-up temperature: -40°C (-40°F)	
42	Humidity	up to 95% RH, Non-Condensing	
43	EMC	BS/EN 55032 Class A, FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB- 003 Class A, IEC/BS/EN 61000-3-2, BS/EN 61000-3-3, BS/EN 50130-4, IEC 61000-4-2/3/4/5/6/11	
44	Safety	CAN/CSA C22.2, BS/EN 62368-1, UL 62368-1, AS/NZS 62368-1, J62368-1, CEI EN 62368-1, EN50121-4, EN60950-1, UL60950-1, IEC 60950-1, CSA 22.2 No. 60950	
45	Environmental	NEMA 250 Type 4X, IEC 62262 (IK10), IEC 60529 (IP66), EU RoHS (2011/65/EU), EU Reach (EC 1907/2006), EU POP compliance, Calif Prop 65, WEEE, MSDS, NDAA	
46	Web Browsers	Microsoft Edge, Firefox, Safari, Chrome	
47	NDAA Compliant	Yes	

Video Management System Software

S. No	Minimum Specification	Compliance (Yes/No)
1	The Video Management System (VMS) software shall be used to view live and recorded video from capture cards and IP devices connected to local and wide area networks. The VMS software shall have a client/server- based architecture that can be configured as a standalone VMS system with the client software running on the server hardware and/or the client running on any network-connected TCP/IP workstation. Multiple client workstations shall be capable of simultaneously viewing live and/or recorded video from one or more servers. Multiple servers shall also be able to simultaneously provide live and/or recorded video to one or more workstations.	
2	The VMS shall be supplied with minimum 100 nos of thick clients and 16 mobile clients	
3	Recording of all video transmitted to the VMS shall be continuous, uninterrupted and unattended	
4	The VMS system shall offer the capability of video motion detection recording, such that video is recorded when the NVRMS detects motion within a region of interest of the camera's view. Video prior to the detection of the motion shall also be stored with recording using the pre-recorded feature.	
5	It should also provide following feature:	
6	Suspect Tracking : Configure camera links between cameras to follow a suspect between different camera scenes	
7	Archive bookmarks: Specifically archive bookmarked video to create a second copy of important video and avoid using limited WAN bandwidth	
8	Inactivity timeout : Save bandwidth with blacked out video panels after inactivity	
9	The VMS system shall manage the video it has been configured to monitor. Loss of video signal shall be configured to annunciate on VMS client by an on-screen visual indication alerting operators of video loss.	
10	The VMS software shall have an open architecture supporting IP cameras and encoders from multiple manufacturers providing best-of-breed solutions ranging from low-cost, entry-level features to high-resolution, megapixel features	

11	The VMS client software shall be able to view live video and audio, recorded video and audio and be able to configure the complete system all from a single application	
12	The VMS client software shall have the same functionality when connected remotely as it does when it is run locally on the same computer as the server software	
13	The VMS client software shall operate on all of the following operating systems: Windows, Linux, Mac OSX	
14	The VMS software shall allow the user to have any combination of VMS client applications running on any of the supported operating systems and be able to connect to any of the VMS servers running on any of the supported operating systems. For example, a VMS client running on Microsoft Windows 7 shall be able to simultaneously connect to four (4) different VMS servers all running on different operating systems, such as Windows Server 2003, Windows XP, Vista and Linux	
15	The VMS software shall have the capability to run multiple client applications simultaneously on one workstation with multiple monitors. Up to 12 monitors shall be configured on a single workstation with one (1) client application running on each monitor. Because decompressing video is CPU-intensive, the PC workstation shall have multiple core processors with a recommendation of one core for each VMS client application.	

16	The VMS shall also allow an authorized user to view video through a web client interface. The web client interface shall allow authorized users to view live video, view recorded video, control pan-tilt zoom (PTZ) cameras and activate triggers. The web client interface shall allow connections to multiple VMS servers simultaneously	
17	The web client interface shall operate without requiring installation of any software	
18	When using the web client interface, the VMS server shall transcode the video into a JPEG file of the size as the browser screen before sending it to the browser	
19	The web client interface shall support the following browsers: IE, Firefox, Opera, Safari, Chrome and shall be compliant with HTML 4	
20	The VMS server software shall record and retrieve video, audio and alarm data and provide it to the VMS clients upon request	

21	The VMS software shall provide a purpose built mobile application capable of viewing multiple simultaneous live video streams and playing a recorded video stream. Application shall be provided for both iOS and Android operating systems. Min. 5 mobile clients to be supplied at each location.	
22	The VMS server software shall operate on any of the following operating systems: Windows, Linux	
23	The VMS server software shall record video based on metadata generated by an edge network device. The edge network devices shall generate the metadata and transmit it with the video stream to the VMS server software	
24	The VMS shall license the total number of cameras on the system. This license shall be based on the MAC address of a single network card that is present on the system. The VMS shall only require that this network card be enabled and does not require that data is actually sent through it	
25	The VMS shall be able to use the Active Directory or LDAP features of a network to authenticate users and determine which permissions they will have on each server.	
26	The VMS shall allow the use of maps. The maps will be accessible to users with the appropriate permission levels and display video sources and their status	
27	The VMS shall allow maps to be embedded inside of maps (i.e. hierarchical or nested maps). When an event happens on a map that is embedded inside of a map, it shall transmit the alert to all parent maps and change the color of the icon on the parent map and all subsequent parent maps	
28	The VMS allows soft triggers to be placed, viewed and triggered from a map	
29	The VMS shall have a single page that displays the status of all servers and cameras currently connected. This page shall display any alarms, events, MAC addresses, camera configuration, format and frame rate from each individual camera	
30	When in live display mode, the user shall be able to view live video, live audio, point of sale (POS) data and alarm information	
31	The VMS shall provide an option to view 16:9 wide video display panels	



32	The VMS shall allow the customization of the user interface to allow software triggers to be shown. This shall allow them to activate events through the push of a button, which could trigger recording, PTZ presets, output triggers or email	
33	The VMS software shall allow control of PTZ cameras to authorized users and be used to maneuver a PTZ camera. When used on a non-PTZ camera, it shall allow you to digitally pan, tilt and zoom on any video whether in live or recorded mode.	
34	The VMS shall allow following methods of controlling a PTZ camera to be available:	
35	- PTZ graphics control windows	
36	- Live graphic overlay PTZ control icons	
37	- Keyboard control (up, down, left, right arrows; page up, page down for zoom)	
38	- PTZ presets	
39	- Digital PTZ	
40	- USB joystick to control PTZ cameras	
41	- Proportional PTZ control by clicking the mouse in the center and moving it	
42	The VMS software shall allow virtual matrix functionality by designating a cell to do so. This video cell shall automatically show video as it is triggered	
43	The VMS software shall have a feature for viewing logical groups of cameras. This shall allow efficient viewing of cameras in a logical order	

44	The VMS software shall have a feature to organize your cameras into preset views. Views are preconfigured arrangements of the video panels so that they may be easily recalled later. A view can save the location of the video streams, audio streams, maps and event views. These views shall be accessible in both live and recorded video modes	
45	The VMS software shall have the capability to automatically cycle through two or more saved views to create a video tour. The VMS shall allow the configuration of the dwell time and the different views it shall use	
46	The VMS software shall support searching through recorded video based on time, date, video source and image region and have the results displayed as both a clickable timeline and a series of thumbnail images	
47	The VMS software shall have the capability to export video, maps, and audio files	

48	The VMS software shall provide the option of exporting the file in the following formats:	
49	- Standalone Exe (*.exe) – includes an executable player with the video and audio data	
50	- AVI File (*.avi) – a multimedia container format	
51	1. PS File (*.ps) – a format for multiplexing video and audio	
52	The VMS standalone player shall package all of the exported video into a single executable. The VMS standalone player shall be able to authenticate that the video has not been tampered with using a keyed Hash Message Authentication Code (HMAC)	
53	The VMS system shall be able to display system information about users that are currently logged into the system, plug-in file version information number and status, and a system log that contains a detailed history of the processes that occur on the system	
54	The VMS system shall have the ability to record an audit trail of when users log in that shows what changes they have made, what video they have viewed and what they have exported	
55	The VMS shall allow monitoring of the inputs on both network devices and on manufacturer provided hardware. The VMS shall also allow triggering of outputs on the network devices and manufacturer provided hardware	
56	The VMS shall allow for the configuration of what drives to use for recording video. Those drives may be local drives, direct attached storage drives or iSCSI drives	
57	The VMS shall not require a database when recording video	

58	The VMS shall have the ability to receive ASCII data through the COM port on the server or over the network	
59	The VMS shall have the ability to look for keywords in the ASCII data and use these to execute various events such as PTZ presets, recording video, recording audio and sending email notifications	
60	The VMS software shall be able to send a predefined email based on an event trigger. The VMS software shall also support SSL and TLS connections for transmissions of the mail.	
61	The VMS software shall have a feature to export a video segment from specific cameras or audio inputs to a CD or DVD upon an input trigger or other event being activated.	

62	The VMS software shall be used to connect different types of events, such as input triggers, to a desired action such as recording video or triggering an alarm. The VMS software shall recognize the following event types: Video Motion, Video Loss, Input Trigger, Health, IP Camera Connection, Software Trigger and Analytics	
63	The VMS client shall be able to use render video.	
64	The VMS software shall allow the user to input time-based triggers through event monitoring, including the time of day and day of week	
65	Camera preview Style e.g Hovering /One click	
66	Video Pane must be identify by color e.g Motion, Alarm, Free Run,PTZ Focused, Book Marked	
67	VMS has Video Push feature to another Client desktop simultaneously	
68	Support mainstreaming to manage all quality stream	
69	Server and Client must be run on single machine another client machine not Required.	
70	Support configuration of multiple DNS servers	
71	At least 60 second timeout for out of schedule login failure	
72	Support analytic metadata in live and search	
73	Support Video Wall	
74	Search and display analytic meta data when searching analytic event linkages	
75	VMS shall support CIFS and NFS network shares for archive target locations	
76	All streams can be individually configurable for recording schedules and storage rules	
77	configurable recording of video prior to the detection of the motion	

78	The VMS shall support a graphical representation of drive status for associated RAID-based storage	
79	The VMS shall support local HDD disk storage	
80	The VMS shall support iSCSI extended storage whereby a remote storage unit can appear as a local drive	
81	support Map Functionality and multi-level mapping	
82	Support bookmarking feature shall allow the tagging, naming, and retention of video clips	

Video Analytics			
S.no.	Minimum Specification	Description	Compliance (Yes/No)
	People detection and Count Technical Specs		
1	Input video quality	The input video quality must be of sufficient resolution, clarity, and frame rate to enable the detection of fire and smoke. A minimum of 720p resolution and 15 frames per second (fps) is recommended.	
2	General		
3	Detection	The system should detect if a person walking upright has collapsed or fallen on the ground	
4	Configurable parameters	The user needs to share the detection zones where the alerts should be shared	
5	Reporting	If a person enters in any restricted area or any unattended baggage or kept beyond some threshold time etc. Having a system that can monitor various types of human behavior can help the city's officials ensure the safety of their citizens.	
		The analytic should have the capability of detection of a crowd within the Field of View of the camera.	
		The analytic should generate the crowd formation alert with estimate of the number of persons in the crowd based on the headcount.	
6	Software Requirements	The system will require software to perform image processing, deep learning, and decision-making. These components will be built using popular libraries such as OpenCV, TensorFlow. The software will be designed to run on a Linux operating system and can be integrated with existing building management systems.	
	ANPR Technical Specs		

7	General	The application should be able to index the camera feed be it day or night.	
		Indexing shall be done automatically from the live camera feed in real-time.	
		The indexing should have following parameters as a output	
		Number Plate of the vehicles	
		Classification of the vehicles	
		Colour of the vehicles	
		Approximate speed of the vehicles	
		Application shall be designed to work for 24x7 unattended operations.	
		Application shall perform OCR (optical character recognition) of the license Plate characters (English alpha- numeric characters in standard fonts and Devanagari).	
		Application must process each frame of video feed for ANPR and provide the best evidence and OCR of Number plate	
8		Application shall store JPEG image of vehicle and license plate cropped image and Store the license plate number into DBMS like mongodb . database along with date and time stamp.	
		Application shall be designed to de duplicate the entries from the front and back camera to merge as a single entry	
		Application should support searching for similar plates across multiple cameras.	
		Application should be able to detect single row, double row, multi row, square and rectangular plates as well.	
		Application should compare against the Watch List database to detect any number plate matches.	

	Functional Requirements	Application should support Real-time alerts on Plate matches.	
		Application should Detect, Recognize and Search License Plates.	



		<p>This application will have user roles and permission. The operator will have the permission to view the data and audit them. The operator can check the alerts and can take necessary actions. The admin will have the ability to view and download the reports. Also check the audit reports.</p>	
		<p>Audit dashboard should have the feature to let the manual operator audit the vehicle with "Correct", "Unclear", "Incorrect" and "Generate challan"</p>	
		<p>Allows users to track vehicles across multiple cameras or locations to identify potential threats.</p>	
		<p>Should generate an alarm in case of any identified vehicle plate</p>	
		<p>It should Enable automated matching against a watch list with real time alerting</p>	
		<p>The system Graphical User Interface should support English & Graphical User interface (GUI) should provide following information:</p>	
		<p>Image of the vehicle</p>	
		<p>Text conversion of number plate after using OCR (Optical Character Recognition) technology</p>	
		<p>Date and Time of offending vehicle</p>	
		<p>Event/images/chart of ANPR</p>	
		<p>Records and logs all License Plates at a scene, for forensic investigations.</p>	
		<p>Logs vehicles with multiple overview camera images</p>	
		<p>A list of the most recent capture events will be always displayed to the operator.</p>	



		Report watch should allow users to monitor any of your reports in real-time without having to leave the main screen. This can be downloaded in pdf/xls.	
		Video resolution: 1080 is recommended	
		Min Framerate: 12-30 FPS (for tracking).	
		Min Framerate: 12-30 FPS (for inference)	
		Image quality: LP image contrast should be high at different times of day, especially at night-time. The image needs to have minimal noise at low light situations.	

		System should be able to give vehicle image with license plate image	
		Store events with plate images	
		The system shall store the vehicle license number into a relational mongo DB along with date timestamp and Camera details. The necessary license/ subscription/support services of the database software should be bundled with the ANPR software.	
		Open architecture and easy integration of alerts via http	
		Can be integrated with e-Challan system	
		Option to include or exclude zones	
		Real-time alerts on Vehicle violation detection	
		Detailed Reports of violations	
		Should work with real-time IP cameras, live videos.	
		Should work with real-time IP cameras, live videos.	



		The Application shall have more than 95% Accuracy during daytime and 93% during night-time for all different types and classes of vehicles for Standard number plates and 80% for nonstandard license plates and plates in Devanagari†.	
		The Application should detect for both Standardized (High Security Registration Plates) and Non-Standardized plates.	
		The Application should have an Intuitive GUI & user-friendly menu driven Interface for the Configuration & Viewing the Application.	
		The Application should be a Web Based Application, so that it can be Accessed on a Standard Web Browser from any System within the LAN.	
		The accuracy for the features should be as follows	
9	Performance	Features	
		Standard English number plate	
		Non Standard English number plate	
		Devanagari number plates	
		Darker shades colour accuracy	
		Light colour shades accuracy	

		Night time colour feature	
	Perimeter Intrusion Detection System (PIDS)		
10	Input video quality	The input video quality must be of sufficient resolution, clarity, and frame rate to enable the detection of fire and smoke. A minimum of 720p resolution and 15 frames per second (fps) is recommended.	

11	Detection	The system should detect if a person walking and loitering	
		Analytics software of the PIDS System shall alarm for any kind of human intrusion.	
		The system design shall not trigger false alarm if birds/ tree branches/ leaves/ rodents / paper etc crosses installed system.	
		The Perimeter Intrusion Detection System (PIDS) in zone is to be provided along the boundary wall of different zones. The system shall have features of alarm / intimate/ record of any intrusions crossing the boundary wall of any zone	
12	Configurable parameters	The user needs to share the detection zones where the alerts should be shared	
13	Reporting	If a person enters in any restricted area or any unattended baggage or kept beyond some threshold time etc. Having a system that can monitor various types of human behavior can help the city's officials ensure the safety of their citizens.	
		The analytic should have the capability of detection of a crowd within the Field of View of the camera.	
		The analytic should generate the crowd formation alert with estimate of the number of persons in the crowd based on the headcount.	
14		Image Processing and Analytics: Utilises advanced image processing and deep learning techniques. Libraries: OpenCV, TensorFlow (or equivalent).	
		The software must be compatible with Linux operating systems.	

	Software Requirements	Seamless integration with existing building management systems.	
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15	Dashboard	Real-time alerts and notifications for detected loitering incidents.	
		Logging of all the alerts in an hourly logs	
		Logs should be stored for at least 30 days	
		Tracking and alerting of person who is loitering and recording timeframe of loitering	
		Raise an event when a person enters from an usually closed location, person detected during off-hours, person detected for extended duration of time.	
		Raise an alerts for people sitting or standing in certain zones	

Network Video Recorder (NVR) System (128 Channels)

S.No	Parameter	Description	Compliance (Yes/No)
1	General	Easy Connect - automatically finds, addresses and connects IP cameras	
		Conduct investigations on recorded video, audio and data with	
		Thumbnail or timeline search	
		Bookmark important video for long-term retention	
		Video multi-streaming to optimize storage utilization and network traffic	
2	Compression	H.264, H.265, MJPEG	
3	Maximum IP Cameras	NVR should support up to min 128 full HD (1920x1080p) cameras per appliances	
4	Two-way Talk	NVR should Two way audio feature ,Audio Inputs ,Audio Outputs , Audio Input and Output ports should be inbuilt in the NVR from factory without using any third-party convertor	
5	Operating System	It must work on Windows and Linux platform and client application should work on MAC, Windows, Linux from workstation	

6	Operating System Location	256 GB SSD (RAID 1), Windows and Linux operating system shall boot and run on a solid-state drive (SSD) to ensure high performance and reliability.	
7	Typical Video Storage Rate	1800 Mbps - Linux 1100 Mbps - Windows	
8	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
9	Record Mode	Manual, Schedule (Regular(Continuous), MD, Alarm), Stop	

10	Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer, network loss, video loss	
11	Video Detection	Motion Detection, MD Zones: 396 (22x 18), Video Loss & Camera Blank	
12	Resolution	12MP, 4K, 6MP, 5MP, 3MP, 2MP, 1.3MP, 720P & etc.	
13	Local Client Display Rate (fps)	500@HD resolution (Windows) 700@HD resolution (Linux)	
	Streaming	It should support streaming live/recorded video up to 500 simultaneous PC clients	
15	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search, event, bookmark search	
16	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom	
17	Backup Mode	USB Device / Network / Internal SATA Burner	
18	Maximum Hard Drives	20 SATA, 18TB Each	
19	Maximum Storage	360 TB	
20	Raid Controller	RAID 6	

21	Monitor Output	Monitor Output - DisplayPort/DVI, HDMI, VGA ,3 Simultaneous monitors these ports should be inbuilt in the NVR from factory without using any third-party convertor	
22	CPU	Intel® Xeon E3 or better	
23	RAM	32 GB or better	
24	Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter.	
25	NIC	NVR shall have Dual 10 Gig NIC option (4 total NICs: 2x 10Gig, 1x 2.5Gig, 1x 1Gig) NIC card	
26	USB	4 USB slot	
27	Serial	NVR shall have RS-485 serial port communicate with devices. The ports should be inbuilt in system and not external add-on devices.	
28	Alarm Inputs/Output	It should support 8/4 Alarm Inputs/Output, these ports should be inbuilt in the NVR from factory without using any third-party convertor.	

29	Audio Outputs	Support	
30	Smart Phone	iPhone, iPad, Android, Windows Phone	
31	Maximum User access	128 users	
32	Keyboard & Mouse	Included	
33	Power Supply	NVR shall have Dual Hot Swap redundant Power Supplies Built-In with NVR	
34	Power	AC120V-240V, VAC, Auto Sensing, 50-60Hz	
35	Keyboard & Mouse	Included	
36	Working Environment	Operating temperature should be 5 – 35° C	
37	Operating System	Pre-loaded Operating System must be on windows platform,with Operating System Drive 256 GB SSD RAID 1 configuration.	
38	Regulatory	Requirement is of critical nature and hence offered camera must be of global standards and hence should be CE, FCC and UL.	
39	General	IP Camera, NVR & VMS should be from the same OEM for smooth integration	

Lift communication & operator desk station video display and call control

S No.	Parameter	Description	Compliance Yes/No
1	Panel type	Individual	
2	Camera	1/4"	
3	Resolution	2 Mp	
4	Camera angle	100° (horizontal)	
5	Output video	HD (1280 × 720), H.264 Main Profile	
6	Night backlight	6 LEDs	
7	Light sensitivity	0,01 LuX	
8	Protection class	IP65	
9	IK-Code	IK09	
10	Working temperature	-40 — +65 °C	
11	Power consumption	6,5 W, in standby — 3,6 W	
12	Power supply	PoE, +12 V DC	
13	Body	Aluminum	
14	Colors	Silver	
15	Dimensions for installation	85 × 180 × 45 mm	
16	Size of the panel	95 x 190 x 27 mm	
17	Installation	Flush mount	

Technical specification of UPS

S. no	Minimum Specification		Compliance (Yes/No)
1	RATING	10 Kva / 8000 watt	
2	Technology	True Online Double Conversion PWM IGBT Based	
3	Input Phase	Single Phase Input	
4	Input Voltage range Single Phase	160V-300VAC at 100% load	
5	Frequency	45 Hz– 55 Hz	
6	Power factor	>0.8(Load dependent)	
7	OUTPUT		
8	Output Voltage Range	Single phase 220/230/240VAC +1%	
9	Voltage regulation	+/- 1%	
10	Frequency	50 HZ +/- 0.1%	
11	Power Factor	>0.8 standard	
12	Efficiency AC -AC at 100% load	>90 - 94 % (Load dependent)	
13	Crest Factor	03:01	

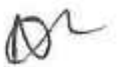
14	THD	≤ Than 2% on linear load, and ≤ 5% on Non-linear load	
15	Wave Form	Pure Sinewave	
16	Over Load	100% Continuous, ≤ 125% -10 Min, 125-150% -60 Sec, > 150% 10 Sec	
17	Static/Manual Bypass	Manual Bypass	
18	BATTERIES		
19	DC Voltage	Minimum 192VDC	
20	Charger Capacity	Minimum Charger capacity: 10 amp	
21	Recharge Time	8-10 Hrs.	
22	Battery Backup Time	30 min (8064 Vah)	
23	INTERFACE COMMUNICATION		
24	Standard	Rs 232	
25	Isolation Transformer	Isolation transformer at Output: Isolation transformer Should be integral part of UPS , External / additional isolation transformer shall not be acceptable	
26	OTHERS		
27	Display (Imp. Parameters)	LCD display	
28	Operation with DG	Compatible with DG Power Source	
29	Operating Temp. Humidity	0-45 °C, 0 -95% RH (Non-Condensing)	
30	Noise Level	Less than 50 db at 1 mtr Distance	
31	Protections	DC High Voltage cut off, DC Low Voltage cut off, Over Load, Short circuit, High Temp (Optional), Fan Fail (Optional)	
32	LCD /LED Indications	AC Mains voltage/Frequency, DC Voltage / Charging V, AC Output V/Frequency, Battery Mode, Load / Batt Parameter	
33	Alarms	Mains Fail, DC High, DC Low, Overload	
34	Quality Certification	ISO14001:2015, ISO 45001:2018, ISO 50001:2018, ROHS Compliant Certificate and CE, FCC, ISO 500001, ITL-9000 Certificate , PEP Certificate	
35	Performance	Compliance to IEC/EN62040-2, IEC/EN62040-3,	

36	Safety	Compliance to IEC/EN62040-1	
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Technical specification Video Analytics Server			
S.N.	Component	Description	Compliance (Y/N)
1	Chipset	Latest Intel Chipset	
2	Form Factor	Max. 2U/4U rack mounted with sliding rails	
3	Configured CPU	<div>Processor</div> <div>RAM</div> <div>Storage capacity</div> <div>Storage capacity</div> <div>GPU</div> <div>Intel® Xeon® 12 core or higher</div> <div>64GB RDIMM, 3200MT/s, Dual</div> <div>500GB *2 for OS in RAID 1</div> <div>2TB sata RAID 5</div> <div>4TB 7.2K RPM SATA 6Gbps 512</div>	
4	Memory slots	8 DDR4 DIMM slots supporting speeds up to	
5	Memory configured	Server should be configured with memory	
6	RAID Controller	12Gbps PCIe 3.0 with RAID 1, 5, 6	
7	Internal Storage	2nos. of 500Gb 10K RPM HDD	
8	DVD writer (Internal/External)	DVD RW	
10	GPU	Server should support upto GPU Cards (SI has to consider GPU cards as per their	
11	Network Interface	2 x 1G RJ45, 2 x 10 GbE	
12	OS Support	Latest version of Microsoft Windows Server /	
13	Power Supply	redundant Power Supply	
14	SD Modules slots	Dual SD Module slots supporting redundant	
15	Hard Disk	Min 2 x 2 TB HDD for Storage	

16	Management	Should be able to provide Single Pane of Management for both Rack and Blade	
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Technical specification - Workstation/desktop for Client Application			
S.no	Component	Minimum Requirement	Compliance (Yes/No)
1	Processors	Latest generation i7 or better Processor	
		3.2 Ghz or OEM recommended	
		Min 8 MB	
2	Mother Board	Latest series 64-bit chipset	
		Either on the Display system or on chassis	
		Intel/OEM	
		32 GB DDR-IV (2400 MHz) or expandable up to 64 GB	
		Graphics Card – 2 GB	
		total minimum 2 PCI Slots)	
3	Display	21.5" or higher	
		Active Matrix TFT LCD (Backlit LED)	
	Mouse	Optical/Laser USB	
4	Optical Drive	Internal 8x or higher	
	Keyboard	Standard USB	
5	Operating System	Preloaded 10 Prof 64-bit	
		Windows/Linux	
6	HDD	1 TB SATA (7200 RPM) or higher capacity	



Security Driven Networking-SDN		
S.no	Specifications	Compliance (Yes/No)
1	Customer is in a process of setting up complete networking infrastructure with latest technological standards with complete protection and coverage of cyber security controls, considering this objective Customer is expecting a converged security enabled networking infrastructure as Security driven networking.	
2	The Customer office is expecting complete solution on network which should include Firewall and wired network devices that comprise the local-area network (LAN) edge along with A true secure office networking solution that would provide tight integration to ensure customer can achieve full visibility and control across entire environment, creating access policies once, and confidently enforcing them.	
3	<p>Security driven Networking should include below key components:-</p> <ol style="list-style-type: none"> 1. Next-generation firewall (NGFW) which provides consolidated comprehensive critical security capabilities such as intrusion prevention system (IPS), web filtering, Malware protection, and automated threat protection with high-performance connectivity and networking. 2. Local-area network (LAN) edge to ensure all the users and devices can easily get connected. This comprised of:- <ol style="list-style-type: none"> i. Wired switches-Core and Access Switches (Enterprise Architecture). 	

4	Solution must facilitate complete integrated and orchestrated network access layer to drive simplicity. It must provide automation functionalities such as automated provisioning of the access layer with complete visibility and control centrally to create policies once and confidently enforce them through your LAN edge with centralized architecture and control.	
5	Solution must have simplified and central management which consolidates visibility and control to enable IT teams to maintain consistency across firewalls, switches. To achieve this all the mentioned components should be preferably from single OEM however bidders can propose multiple solutions with required integrations and use cases to be achieved from day-1.	
6	Solution must provide automated threat intelligence, to ensure of having the latest information and protections automatically applied and enforced across firewall, switches.	
7	Proposed solution must have its own threat intelligence analysis center and should use the global footprint of security deployments for more comprehensive protection, threats feeds must get integrated with firewall, switches	
8	Proposed SDN must preferably have same central OS at all layers to manage and provide complete centralized control over office networking. Solution must have facility to have security grid with automation capability to create key stiches using integrations out of the box for firewalls, Switches which should be monitored basis regular triggers to provide automated action capability.	
9	Proposed SDN Solution must have capability to provide security grid topologies of all connected ecosystems: 1. The Physical Topology which should shows the physical structure of network, including all connected devices and the connections between them. 2. The Logical Topology which must shows information about the interfaces that connect devices to the Security grid.	

10	Proposed SDN Solution should support in-built network access control feature to bounce all the devices by default in onboarding VLAN and based on the devices matching with the specified criteria devices should be assigned to a specific VLAN. Criteria: a. MAC address, b. hardware vendor, c. device family, d. device type, e. device operating system and user group. In case, above mentioned functionality is not in-built in the switch bidder can provide additional required hardware and software resources of same OEM whose switches are proposed to meet the mentioned functionality.	
11	Proposed SDN Solution allow switch administrators to use MAC addresses to quarantine hosts and users connected to a Switch unit. Quarantined MAC addresses should isolated from the rest of the network and LAN.	
12	Proposed SDN Solution must support to block intra-VLAN traffic to prevent the direct client-to-client traffic visibility at the layer-2 VLAN layer. The switch management system should inspect north-south and east-west traffic from same VLAN or different VLAN	
13	Proposed SDN Solution should be in the Leaders' Quadrant of the latest Gartner Magic Quadrant for Firewall, wired and wireless segment	
14	Proposed SDN Solution should support TLS 1.3.	
15	Proposed SDN Solution support a guest VLAN assignment for unauthorized users. and it should have option to specify Quarantine VLAN for users whose authentication was unsuccessful.	
16	Proposed SDN Solution should be quoted ith 5 years of OEM Support.	



	Next Generation Firewall	
	Make and Model	
1	The appliance-based security platform should be capable of providing firewall, application visibility, IPS, antivirus & url filtering functionality in a single appliance	
2	Firewall appliance should be supplied with at least 12 x GE RJ45 interfaces, 4 x 10G SFP+ and 8 x GE SFP slots.	
3	The proposed solution should support HA in Active/Active and Active/Passive mode. The Firewall in HA should support stateful clustering across sites. HA should be supported on both IPV4 and IPV6. Feature like IPS, Anti malware, Web filtering, DDOS prevention and Traffic Shaping should be available in Active-Active when deployed in future.	
4	Must support NAT (SNAT and DNAT) with following modes Static, Dynamic, PAT, Nat66 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4), Nat46 (IPv4- to-IPv6) , DNS64 & DHCPv6 functionality.	
5	Firewall appliance must have at least 10 virtual firewall domains/instant (active from day-1) with each firewall domains/instances having a separate administrative control OR equivalent, Security zones and VLAN. Associated Licenses, Software and Hardware towards Virtual domains / Virtual Firewalls/ Virtual instances shall be provided from day 1	
6	Firewall policy must facilitate IP, Network, Port, Protocol, User, Application and Zone. And must facilitate to apply features like IPS, Web & application Content filtering, Anti-Malware, IPS, DDOS prevention, Traffic Shaping (define - guaranteed, burstable/maximum bandwidth, set different level of priority) on any firewall policy for a specific time/Date/Period. Firewall policy must also have an option of configuring exceptions to any specific features.	
7	The appliance hardware should be a multicore CPU architecture with a hardened 64-bit operating system	
8	Performance & Scalability	
9	Firewall should support at least 25 Gbps of throughput on 64 byte packets without degrading the firewall performance	

10	Should support at least 2.8 Gbps of Mix / production performance with firewall, IPS, AVC & Anti-malware combined	
11	Firewall should support at least 3Million concurrent sessions	
12	Firewall should support at least 140,000 sessions per second	
13	Firewall should support at least 100 VLANs	
14	Firewall should support at least 30 Gbps of IPSEC VPN throughput	
15	Firewall should provide application detection for DNS, FTP, HTTP, SMTP,ESMTP, LDAP, MGCP, RTSP, SIP, SCCP, SQLNET, TFTP, H.323, SNMP	
16	Firewall should support creating access rules with IPv4 & IPv6 objects simultaneously	
17	Should support Static, RIP, OSPF, OSPFv3 and BGP	
18	Firewall should support manual NAT and Auto-NAT, static nat, dynamic nat, PAT	
19	Firewall should support Nat66 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) & Nat46 (IPv4- to-IPv6) functionality	
20	Firewall solution should support DNS64 & DHCPv6	
21	Firewall should support Multicast protocols like IGMP, PIM, etc.	
22	Should support security policies based on group names in source or destination fields or both	
23	Should support capability to limit bandwidth on basis of apps/groups, Networks / Geo, Ports, etc.	
24	Should support 500 concurrent SSL VPN users	
25	Firewall should support SSL inspection throughput of 3 Gbps.	
26	The proposed system shall be able to operate on either Transparent (bridge) mode or NAT/Route mode. Both modes can also be available concurrently using Virtual Contexts.	
27	Firewall should be capable of delivering AI Powered Security, Web Security, Content Security, Device Security, Advance Tools, Firewall must have capability to manage switches from same console.	
28	Should be able to perform Anti-malware scans for HTTP, SMTP, IMAP, POP3, and FTP traffic.	

29	Should be able to call 3rd party threat intelligence data on malicious IPs, URLs and Domains to the same firewall policy to block those malicious attributes and list should get updated dynamically with latest data.	
30	Should have a dual redundant power supply	
31	The proposed solution should support the ability to create QoS policy on a per rule basis- by source address, by destination address, by application (such as Skype, BitTorrent, YouTube, azureus, webex), by static or dynamic application groups (such as Instant Messaging or P2P groups), by port and services.	
32	Security functionalities allowed to be extended till the access port. Proposed Firewall, Core Switch, Access points should preferably from single OEM in case of multiple OEM's solution integration to be built by bidders.	
Core Switch		
Make and Model		
1	Switch should have 24x GE SFP ports with required transceivers from the day one.	
2	Switch should have 4x 10GE SFP+ ports or higher with the required transceivers from the day one	
3	Switch should provide 128 Gbps of switching capacity from the day one	
4	Switch should provide 190 Mpps of PPS throughput	
5	Switches should support Dynamic Authorization Extensions to Remote Authentication Dial In User Service (RADIUS)	
6	Switches should support VXLAN functionality	
7	Should be capable of supporting IPv6 from the day one.	
8	Should be capable of storing 32K MAC addresses.	
9	Should be capable of storing 4K VLAN's.	
10	Should support LLDP, LLDP-MED, MCLAG (Multi-chassis link aggregation).	
11	should support Storm Control, Per-port storm control and LoopGuard	
12	Should support sFlow v5.	
13	Should support RSPAN/ERSPAN	
14	Should support Sticky MAC.	
15	Should support IGMP snooping , DHCP snooping and Dynamic ARP Inspection.	
16	Should have a dual redundant power supply	
17	Should support dual firmware option.	

18	Switch should provide class of service (CoS) sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and Differ	
19	Switch should use an IEEE 802.1X supplicant on the client in conjunction with a RADIUS server to authenticate in accordance with industry standards	
20	All the solution should be managed by the central manager and if central management is unavailable it must have capability to get managed through proposed firewall itself.	
21	Security functionalities allowed to be extended till the access port. Proposed Firewall, Core Switch should preferably from single OEM in case of multiple OEM's solution integration to be built by bidders.	
22	Switches should be capable of providing visibility to the devices connected in to the connected ports	
	Access Layer switch	
	Make and Model	
1	Switch should have 2x 5G/2.5G/1G/100M, 8x 2.5G/1G/100M/10M RJ45 ports and should provide a POE Power Budget of 200W.	
2	Switch should have 4x 10 G SFP+ and transceivers to be provided from day 1.	
3	Switch should provide 140 Gbps of switching capacity	
4	Switch should provide 208 Mpps of throughput	
5	Switch should have a capacity of 32k MAC address table size	
6	Switch should provide traffic prioritization (IEEE 802.1p) allows real-time traffic classification into priority levels mapped to queues	
7	Switch should provide layer 4 prioritization based on TCP/UDP port numbers	
8	Switch should provide class of service (CoS) sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ	
9	Switch should provide Rate limiting sets per-port ingress enforced maximums and per-port, per-queue minimums	

10	Switch should support IEEE 802.1s Multiple Spanning Tree provides high link availability by allowing multiple spanning trees; provides legacy support for IEEE 802.1d and IEEE 802.1w	
11	Switch should support IEEE 802.3ad link-aggregation-control protocol (LACP) and port trunking support up to 8 static, dynamic, or distributed trunks with each trunk having up to eight links (ports) per static trunk and should support LACP Fallback	
12	Switch should support SNMPv1, v2, and v3 provide complete; support of industry-standard Management Information Base (MIB) plus private extensions; SNMPv3 supports increased security using encryption	
13	Switch should support dual flash images provide independent primary and secondary operating system files for backup while upgrading	
14	Switch should support custom port names to allow assignment of descriptive names to ports	
15	Switch should have VLAN support and tagging supports IEEE 802.1Q (4,094 VLAN IDs) and 4k VLANs supported.	
16	Switch should support jumbo packets to improves the performance of large data transfers; supported frame size of up to 9,000 bytes	
17	Switch should support Rapid PVST interoperation. Should support Spanning Tree Protocol MSTP native, and backwards compatible with STP, STP BPDU Guard and STP Root Guard and should support LLDP, LLDP-MED	
18	Switch should support DHCP server and Relay to centralize and reduces the cost of IPv4 address management	
19	Switch should support static IP routing to provide manually configured routing	
20	Switch should use an IEEE 802.1X supplicant on the client in conjunction with a RADIUS server to authenticate in accordance with industry standards	

21	Switch should support multiple IEEE 802.1X users per port to provide authentication of multiple devices on a single port; which will prevent a user from piggybacking on another user's IEEE 802.1X authentication	
22	Switch should support RADIUS/TACACS+ to ease switch management security administration by using a password authentication server	
33	Switch should support secure shell encryption for all transmitted data for secure remote CLI access over IP networks	
24	Should support IGMP snooping, DHCP snooping and Dynamic ARP Inspection, Should support sticky MAC, Sflow v5.	
25	All the solution should be managed by the central manager and if central management is unavailable it must have capability to get managed through proposed firewall itself.	
26	Security functionalities allowed to be extended till the access port. Proposed Firewall, Core Switch, Access points should preferably from single OEM in case of multiple OEM's solution integration to be built by bidders.	
27	Switches should be capable of providing visibility to the devices connected in to the connected ports	
28	switch should support HTTP REST APIs for configuration and monitoring	
29	should support IP conflict detection and notification	



Camera Placement								
S.no	Bullet camera	Dome Camera	Multi Sensor Camera	Dual Sensor Camera	PTZ Camera	Corn er Mou nt Cam era	QTY	Location
1	2				1		3	Main Entrance and Exit
2	2	2					4	Registration Area
3			1				1	OPD Entrance
4		1				1	2	OPD RECEPTION AREA
5		8					8	OPD Emergency Exit
6		4					4	OPD Staircase
7		8					8	OPD Canteen Outside
8				1			1	OPD Terrace
9		14					14	OPD Hospital Administrative Wing
10		4					4	OPD/IPD
11	2						2	OPD/IPD Waiting Area
12	2						2	OPD/IPD Parking
13		5					5	OPD/IPD Passage 1
14		5					5	OPD/IPD Passage 2
15		1		1		1	3	IPD Reception
16		10					10	IPD Stairs
17		25					25	IPD Lift
18		12					12	IPD Gallery
19				7			7	Admin Corridor 1st to 7th Floor
20							0	Admin Reception
21		8					8	Admin Lift Lobby
22		8					8	Admin StairCase
23		8					8	Admin Service Lift
24			1				1	Admin Lobby
25					1		1	Admin Block and IPD Bridge 2nd and 5th Floor
26	2	2				2	6	Medicine Dispensing Counter
27	1						1	Substation Gate
28							0	In-patient Department

29	2				1		3	Entrance Boundary Wall P1
30	2						2	Entrance Boundary Wall P2
31	2						2	Entrance Boundary Wall P3
32	2				1		3	Boundary Wall Passage P4
33	2						2	Boundary Wall opposite OPD Backside P5
34	2						2	Boundary Wall Med Disp Counter Backside P6
35	2						2	Boundary Wall Guard cabin New Building Vehicle Entrance P7
36	2						2	Boundary wall Opposite Parking P8
37	2						2	Boundary wall Opp In patient Department P9
38	2				1		3	Boundary wall Opp In patient Department P10
Total	31	125	2	9	5	4	176	



Chapter-V

Pre-Qualification Criteria for Bidders: –

1. The Bidder should be a Central Government PSU (Public Sector Unit) rendering eGovernance and SITC of CCTV surveillance system and video analytics system for a large integrated Institutions. The PSUs only which have the mandate to execute the SITC of CCTV surveillance system and video analytics system related works.
2. The average annual financial turnover of 'The bidder' during the last three years, ending on 31st March of the previous financial year 2023-24 should be **Rs 3.25 crore (Rupees Three crore and Twenty Five Lakh only)** as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by Chartered Accountant/Cost Accountant in India or equivalent in relevant countries.
3. The Bidder should not have suffered any financial loss for more than one year during the last three years, ending on 31st March of the previous financial year 2023-24. A certificate from the CA must be attached.
4. The Bidder should be one stop solution to "Design, Develop, Customize, Supply of Hardware and CCTV Surveillance System and Video Analytic Solutions infrastructure. The Bidder must have completed one similar nature of Supply Installation, Testing and Commissioning of CCTV and Video Analytic Solutions work in last three years, completion certificate which should be before closing of the bid.
5. The Bidder is required to submit certificate of completion of assignment from the respective institute as a proof of meeting the above qualifying criteria and submit copies of the completion certificate.
6. The Bidder should not be blacklisted in any of the Ministry/ Department / PSU / Autonomous Body of Government/ State Government.
7. The bidders should have ISO 9001-2000 / ISO: 27000 and other related.
8. The bidding entity must have authorization certificate from the OEM of the major equipment/Devices which are being offered by the bidder.
9. Signed copy of GST Registration and proof of latest quarter GST returns filed by the participating Bidder Company.
10. Signed copy of PAN Card in the name of bidding entity.
11. The bidders should not be bankrupt/under liquidation or blacklisted by any Government (Central or State)/PSU/Autonomous Bodies/or any other organization. A declaration to this effect must be submitted.
12. The bidder should submit valid letter from all the OEMs confirming the following: Documentary evidences such as Authorization letters MAF (Manufacturers Authorization Form) from Cameras, VMS, NVR and Network Switches proposed OEM quoted by the Bidder need to be attached in the proposal).

12. Experience and Past Performance:

- (a) The bidder should have completed "Supply, Installation, Testing and Commissioning of CCTV Surveillance System and Video Analytics Solutions with required IT infrastructure" with the same or higher specifications as per scope of work mentioned in the bid document during last three years, ending 31st March of 2024 as under:-
 - (i). One similar works of the value equal to 80% of estimated bid value or
 - (ii). Two similar works of the value equal to 50% of estimated bid value or
 - (iii). Three similar works of the value equal to 40% of estimated bid value
- (b) The bidder must have a team of Engineers, Technicians and experts having sufficient expertise, experience and knowledge of the works under question and details of such team must be attached along with bid document in support of claim.

Pre-Qualification Criteria for OEM's

- a. The CCTV surveillance system and video analytics system authorized OEM should have its toll-free number with Mobile app along with AI Chat bot for any technical support query from the SI or end customer which is very much required for such a big project.
- b. The MAC address of the IP cameras must be registered in the same name of OEM.
- c. The CCTV OEM must have self-owned service center for last 10 years from the date of submission of bid (not as joint venture, partnership firms or through any other association).
- d. The proposed camera OEM should be a member in any of the present "ONVIF Organization Committee i. Steering Committee/Technical Committee or Technical Services Committee or full membership for last 4 years.
- e. The OEM for IP Cameras & VMS should have a registered entity and direct presence in India for more than 10 years as on bid submission date and should be present globally in the same line of manufacturing for at least 15 years. Camera, NVR OEM should submit a declaration letter along with letter of incorporation confirming the same.
- f. The OEM of major items (like CCTV Camera of all types, VMS, Servers, Storages, switches etc.) its sister concerns, or any of its group company or Subsidiary should not have been blacklisted in last 10 years by any Ministry under Government of India or by Government of any State in India or any of the Government PSU as on tender floating date.
- g. The CCTV OEM Should Have Support Center with L1, L2 & L3 Support in India.
- h. The OEM for IP Cameras & VMS should have at least 50 employees on its payroll in India. Declaration letter from the HR/country Head/Director/CEO of OEM to be submitted along with the bid.
- i. All the Type of Cameras, VMS Software and NVR from Same OEM to avoid any Compatibility issue.
- j. The bidder should submit valid letter from all the OEMs confirming the following: Documentary evidence such as Authorization letters MAF (Manufacturers Authorization Form).
- k. The bidder should submit valid letter from all the OEMs confirming the following: Documentary evidence such as Authorization letters MAF (Manufacturers Authorization Form) from Cameras, VMS, NVR and Network Switches proposed OEM quoted by the Bidder need to be attached in the proposal).

Submission of Technical Bid

- A. NIT in the form of hard copies duly signed, stamped and page numbering on each page will be considered.
- B. All the annexures/declarations and tender documents should be signed by authorized official of appropriate level only. Tender submitted in loose sheet/unsigned shall not be considered.
- C. The pages of tender document to be submitted by the bidder should be properly numbered and an index page with proper page number should be attached with the tender document.
- D. The bids both Technical and Financial duly filled in the prescribed Proforma as mentioned in check list & Annexure V should be placed in sealed separate envelopes with a name of work written on the envelope and addressed to "The Director, All India Institute of Ayurveda (AIIA), Gautampuri, Sarita Vihar, New Delhi -110076.
- E. The 1st envelope (Technical Bid) shall contain the documents as mentioned in the terms and conditions (Mentioned in the check list).
- F. The 2nd envelope (Financial Bid) shall contain price schedule of Quotation, duly signed, Stamped and pag

numbering by the authorized signatory of the bidder. **(Annexure-IV)**

G. The Technical bids shall be opened on the closing date of bid in **the Central Store, All India Institute of Ayurved (AIIA), Gautampuri, Sarita Vihar, Mathura Road, New Delhi 110076** in the presence of such bidders or the authorized representatives, who may wish to be present.

H. The bidders, whose technical bids are accepted, will be informed about the date of the opening of financial bids.

I. The Financial Bid of the Technically Qualified Bidder will ONLY be opened.

J. The price schedule of quotation as per format enclosed, duly signed, stamped and page numbering by the authorized signatory of the bidder is to be submitted. The unit rate and prices shall be quoted by the bidder entirely in Indian Rupee to be entered in words also. **K.** The breakup of Basic Price, GST, other taxes/charges, if any to be clearly mentioned in Indian rupee only.

M. Financial Bid in any other form except in the specified format given, will not be accepted and shall be **SUMMARILY REJECTED**.

N. Both the above envelopes should clearly be marked on top of envelope about type of envelope i.e., Name of NI and details of contents in envelope (Technical Bid/Commercial Bid as the case may be), name of agency submitting the bid and addressed to **"The Director, All India Institute of Ayurveda, Gautampuri, Sarita Vihar, New Delhi 110076"**.

O. The main envelope containing the Technical Bids, Financial Bids and Earnest Money Deposit must be superscripted as **'Tender for Supply, installation, testing and commissioning of CCTV surveillance system and Video analytic system at All India Institute of Ayurveda' (AIIA), New Delhi**.

P. Please note that the envelope containing Technical and Financial Bids are sealed properly, i.e., either wax or with adhesive cello tape on both ends. Rates quoted should be neat and clean without cutting/overwriting. Applicability of Special Clause.

a) Joint Ventures and Holding Companies: Credentials of the partners of Joint ventures cannot be clubbed for the purpose of compliance of PQC.

b) Supporting documents submitted by the bidder must be certified as follows:

(i) All copy of supply/work order; respective completion certificate and contact details of clients; documents issued by the relevant Industries Department/National Small Industries Corporation (NSIC)/manufacturing license; annual report, etc., in support of experience, past performance and capacity/capability should be authenticated by the person authorized to sign the tender on behalf of the bidder. Original Documents must be submitted for inspection if so demanded.

(ii) All financial standing data should be certified by certified accountants, for example, Chartered Accountants/Cost Accountants or equivalent in relevant countries; and Indian bidder or Indian counterparts of foreign bidders should furnish their Permanent Account Number. Signed and attested legible scanned copies of at least three Numbers of Previous Purchase Order Copies for each of participating item, which has been supplied to various reputed Government Hospitals/Institutions/PSU's/Other reputed Hospitals/Institutions in India in last Three Financial Year in Chronological Order from FY-2021-2022 to FY-2023-2024 for pre-qualification bid evaluation purpose.

3. Signed copy of duly filled-in PFMS Form of AIIA, DELHI in the format given at **Annexure- VIII**.

4. A checklist of documents submitted must be attached as per **Annexure-IX**. In absence of that, offer will be rejected outrightly.

Chapter-VI

Time Schedule for Completion of the Work: -

(i)	Preliminary Estimate	One Week after the Lol is placed on the selected bidder
(ii)	Submission of Performance security	Within One week after LOI
(iii)	Commencement and mobilization activities	One Week after
(iv)	Completion of work, Testing, Training, hand-holding and hand over	Work Duration 90 Days from the commencement of the mobilization activities.

Penalty:

If the agency/organization/institution is not able to complete the work in time the agency would be liable to be penalized as follows: - For delay: .5% of the awarded value of works (excluding taxes) per week or part of it subject to maximum of 10% of the awarded value.

Saving Clause:

The Director, AIIA has the right to terminate the contract at any time if it comes to know that the contract has been procured fraudulently or misrepresented and corrupt practices and forfeit the security / bank guarantee etc.

Court Jurisdiction:

In case of any dispute, this shall be subject to the exclusive jurisdiction of Court at Delhi/New Delhi.

Approved Make:

The bidder has to quote rate from best compatible OEM makes for Active components ie. (Cameras and Switches) in this request for Proposal.



Annexure-I

Declaration for non-association with other bidders

I, We, M/S.....hereby undertake and accept that if I/We are Not Associate with other bidders.

I/We.....shall have no objections if I/We am/are suspended for the two years from being eligible to submit bids for contracts with ALL India Institute of Ayurveda New Delhi if any association is found with other bidders.



Seal,

Name:

Address of the bidder/Authorized person:

Email Id:

Telephone No:

Date:

Annexure-II

Bid Security Declaration by the Bidder

I/we, M/s -----hereby undertake and accept that if I/W withdraw or modify my/our Bids during the period of validity, or if I/We am/are awarded the contract and I/We fail to sign the contract, or to submit a performance security before the deadline defined in the request for bid document, I/We -----sha have no objection if I/We am/are suspended for the two years from being eligible to submit Bids for contracts with All India Institute of Ayurveda, New Delhi.



Seal, Name & Address of the Bidder/Authorized person:

Telephone No. & Email ID:

Annexure-III

Undertaking for Compliance of MHA (Police Modernization Division, Prov-III Desk), Govt. of India, order No. IV-24011/22/2020-Prov-I/270 dated 26.04.2024

I/We, M/S.....hereby undertake and accept that I/we shall abide the strict adherence of MHA (Police Modernization Division, Prov-III Desk), GOI, Order No. IV-24011/22/2020-Prov-I/270 dated 26.04.2024 and relevant guidelines of "Amendment to the electronics and information technology goods (requirement of compulsory registration) order, 2021" (essential requirement of security of CCTV) issued by Ministry of electronics and Information Technology (IPHW Division).



Seal,

Name:

Address of the bidder/Authorized person:

Email Id:

Telephone No:

Date:

Manufacturer Authorization Form
(On the letterhead of the Manufacturer)

To,
The Director
All India Institute of Ayurveda,
Gautampuri Sarita Vihar,
New Delhi - 110076

Sir/Madam,

Ref. Your Tender Document No. _____ dated _____ We,
_____ who are proven and reputable manufacturers Of
_____ having factories at _____ hereby authorize M/s (name and
address of the bidder) to submit a tender, process the same further and enter into a contract with
you against your requirement as contained in the above referred Tender which are manufactured
by us.

- 1) We further confirm that no supplier or firm or individual other than Messrs. (name and address of the above agent) is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred Tender Enquiry documents for the above Equipment / Stores manufactured by us.
- 2) We also hereby confirm that we would be responsible for supply, installation and execution of warranty of the goods under question and will provide spares parts for the period of at least 5 years for supplied item to AIIA DELHI after expiry of warranty.
- 3) We also undertake to execute warranty/guarantee during its period along with spare parts.

[Signature with date, name and designation]

For and on behalf of M/s.....

[Name & address of the manufacturers]

1. This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a competent person and having the power of attorney to legally bind the manufacturer.
2. Original letter's scanned copy may be uploaded and handed over as and when directed.



Financial Bid

Price Schedule for as per NIT Major Item (All prices to be cover under these heading only) category Wise

S.no.	Description	Quantity	Unit Price	Total Price
1	SITC of 5 MP Fixed Bullet :- Supply, Installation, Testing & Commissioning of H.265 5 MP IR Vandal Proof Bullet N/W Camera, Image Sensor 1/2.8" Progressive Scan CMOS Sensor ,Effective Pixels 1920 × 1080 ,S/N Ration≥52 dB AGC ON , Memory Capacity,1GB RAM and 512MB Flash,Focal Length 2.7mm to 13.5mm Motorized, Max. Frame Rate 30fps @ all resolution (up to 60 fps with TWDR off),EIS,Slow Shutter,Dual Audio Communication Bi-directional audio (2- way), 1IN/1OUT,Wide Dynamic Range True WDR, 120dB ,IR Distance Up to 70m, Defog, Multiple Exposure Method, 2D/3D DNR,Corridor Pattern ,8 zones video privacy mask, Video Analytics Object Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class, Trigger Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned / Removed, Enter, Exit, Crowd, Queue, Object Sub-Classes: Person Clothing Colour, Vehicle Colour AI Tamper Detection, AI Object Analytics, Blackout, Whiteout, Scene Change (FoV tamper),AI based Blur Detection, Edge Storage Built-in micro SD card slot, up to 1TB (Encrypted Storage),Network Protocol Support - TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast, Multicast, NTP, SMTP, WS-Security, SNMP, CIFS, FSTP, UPnP™, SIP,ONVIF Profile S, G, T & M,Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE Cyber Security 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming,Internal MIC x1, Line IN × 1, Line OUT × 1,CVBS video output (BNC × 1),CE, FCC, UL & BIS,NDAA.IP 67 ,IK 10 with 5 Years Warranty and Support etc. as required..	31		
2	SITC of 5 MP Fixed Dome :- Supply, Installation, Testing & Commissioning of H.265 5 MP IR Vandal Proof Dome N/W Camera, Image Sensor 1/2.8"	125		

	<p>Progressive Scan CMOS Sensor ,Effective Pixels 1920 × 1080 ,S/N Ration≥52 dB AGC ON , Memory Capacity 1GB RAM and 512MB Flash,Focal Length 2.7mm to 13.5mm Motorized,Max. Frame Rate 30fps @ all resolution (up to 60 fps with TWDR off),EIS,Slow Shutter,Dual Audio Communication Bi-directional audio (2-way), 1IN/1OUT,Wide Dynamic Range True WDR, 120dB ,IR Distance Up to 50m, Defog, Multiple Exposure Method, 2D/3D DNR,Corridor Pattern ,8 zones video privacy mask, Video Analytics Object Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class, Trigger Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned / Removed, Enter, Exit, Crowd, Queue, Object Sub-Classes: Person Clothing Colour, Vehicle Colour AI Tamper Detection, AI Object Analytics, Blackout, Whiteout, Scene Change (FoV tamper),AI based Blur Detection, Edge Storage Built-in micro SD card slot, up to 1TB (Encrypted Storage),Network Protocol Support - TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WSDiscovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast, Multicast, NTP, SMTP, WS-Security, SNMP, CIFS, FSTP, UPnP™, SIP,ONVIF Profile S, G, T & M,Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE Cyber Security 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming,Internal MIC x1, Line IN × 1, Line OUT × 1,CVBS video output (BNC × 1),CE, FCC, UL & BIS,NDAA .IP 67 ,IK 10 with 5 Years Warranty and Support etc. as required..</p>		
3	<p>SITC of Multi Sensor Camera :- Supply, Installation, Testing & Commissioning of 20 MP Multisensor camera with Video Compression H.264 / H.265 / MJPEG, Max Frame Rate 5MP @ 30fps, 2MP @ 60fps, Imager Sony 1/2.8" CMOS image sensor, Image Orientation Settings None, Mirror, Flip, Flip and Mirror, Corridor (rotate 90° right or left) Video Streams Quad Streaming (per sensor) Bitrate Control CBR, VBR, CVBR Lens Type Motorized Varifocal and Focus, P-Iris Focus Control One-Touch Auto Focus or Remote Adjustment, Focal Length 2.7-13.5mm motorized, IR Distance Up to 30 m (98 ft) Dynamic Range True WDR 120 dB Technologies SmartWDR Supported Day/Night True Day/Night CF Removal, AI Face-Detection Supported AI Object Classification Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Cart, Backpack, Handbag, Suitcase, Any Class Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue Sub-Classes: Person Clothing Colour, Vehicle Colour AI Tamper Detection Blackout, Whiteout, Scene</p>	2	

	Change (FoV tamper), Security Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS, 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming. Card Support Built-in Quad Micro SDXC slot up to 2TB per slot ,UL,CE,FCC,NDAA,TAA,BIS with 5 Years Warranty and Support etc. as required..		
4	<p>SITC of Dual Sensor Camera :- Supply, Installation, Testing & Commissioning of 10 MP Dual sensor camera with Image Sensor Sony 1/2.8" Progressive Scan CMOS imager, Lens 3.42 mm – 6.85 mm, motorized focus and zoom, P-Iris F/1.85(W) – F/2.4(T) One Touch auto focus, manual and automatic focus with zoom , Memory 2048 MB RAM, 8192 MB Flash, Video Compression H.264/H.265/MJPEG Bitrate Control CBR/VBR/CVBR (configurable) Resolution (HxV) & Aspect Ratio 4:3: 2x 2560x1920 (2x 5MP) to 480x272, AI Object Classification Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue Sub-Classes: Person Clothing Color (Upper, Lower), Vehicle Color AI Tamper Detection Blackout, Whiteout, Scene Change (FoV tamper), Onboard Storage 2 x microSDXC slots, Class 10 or better, upto 2TB supported (1TB per slot), , IP67, NEMA 4x and IK10 rated, UL,CE,FCC,NDAA,TAA,BIS with 5 Years Warranty and Support etc. as required..</p>	9	
5	<p>SITC of Corner Mount Camera :- Supply, Installation, Testing & Commissioning of corner mount camera with Image sensor Sony 1/2.8" progressive scan ultra-lowlight CMOS sensor Lens 2.3 mm, F2.2, fixed focus, fixed iris Field of view: Horizontal 132°, vertical 97° Day and night True D/N by mechanically removable IR-cut filter, thresholds adjustable Minimum illumination Color: 0.17 lux B/W: 0.06 lux 0 lux when IR on Shutter speed 1/32,000 sec ~ 1/4 sec IR illumination 940 nm invisible IR, effective 10x10 m (33x33 ft) space White light illumination White LED, luminance or warning, effective 2x2 m (6.5x6.5 ft) space.Video compression H.264 HP/MP, H.265 HP, Motion JPEG Resolution and frame rate Up to 2560x1920 (4:3) at 30/25 fps Video streaming smart compression in H.264 and H.265 Quad streaming CBR/VBR/CVBR configurable bitrate control Higher compression ROI Wide dynamic range True WDR 120dB technologies Smart WDR, TWDR 2x, TWDR 3x Smart Defog Smart image processing AI Auto exposure: Object, person, face Smart auto exposure profiles: Gaming, LPR, various others Image settings Configurable color contour,</p>	4	

	<p>auto exposure, AE compensation, auto white balance, auto gain control, auto electronic shutter, flickerless, image orientation, text overlay Digital noise reduction 2D/3D Privacy mask Image stabilization Electronic image stabilization (EIS), AI Object classifications Classes Person Vehicle Retail Suspicious objects Person Bicycle, bus, car, motorbike, train, truck Cart Backpack, handbag, suitcase Sub-classes Person clothing colors (upper, lower), vehicle colors Rules Object detected, abandoned/removed objects, direction, linger, dwell, enter, exit, crowd, queue, perimeter, Cyber security ISASecure ISA/IEC 62443-4-1 certified secure development Secure boot Signed and encrypted firmware Network security Multi-level password protections, brute force delay protection, IP address filtering, HTTPS encryption, IEEE 802.1x (PEAP, EAP-TLS, EAPoL), digest authentication, HTTPS over TLS, WSSecurity, certificate management, enhanced security (one-click security hardening, user access log, validate complex credentials, disabling unused protocols),UL,CE,FCC,NDAA,TAA,BIS with 5 Years Warranty and Support etc. as required..</p>		
6	<p>SITC of 2 MP Speed Dome :- Supply, Installation, Testing & Commissioning of 2 MP IP Speed Dome Camera with 200 mtr. IR LEDs and a focal length 30x, MFZ, P-iris sony Image Sensor 30X Zoom . The camera delivers up to 30 fps with H.264/H.265/H.265 CCTV at full resolution and can be operated via PoE or 12 VDC.with Dynamic Live streaming IK10 and IP66, NEMA 4X . 1920 x 1080 (2MP) to 480x272, default 720p, microSDXC slot, Class 10 or better, upto 1TB supported , Encrypted storage and streaming, Application Programming Interface ONVIF Profile S, G, T, M conformant, Micro USB via optional USB Wi-Fi Dongle, Analytics AI Object Classification Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue, Direction Sub-Classes: Person Clothing Color (Upper, Lower), Vehicle Color.UL,CE,FCC,NDAA,BIS with 5 Years Warranty and Support etc. as required.</p>	5	
7	<p>SITC of Video Management Software shall be compatible with 64-bit Windows operating systems 8.1, 10 and Server 2019 Essentials, use a,VMS shall contain 10 client accesses to live streams or the media database, shall have full 64-Bit implementation and GPU acceleration for image processing and viewing functions, The software shall have an extremely fast metadata search due to the SQL database ,The database shall be able to be expanded dynamically at any time without image loss . Customizable video wall,Two-way audio, Interactive & multi-level mapping, Data integration from retail and</p>	176	

	access control systems, Notification overlays, Push individual live cameras or an entire view of live cameras to another user or public view monitor, Powerful thumbnail, timeline and list search capabilities, Export video in open-standard video formats Or export as a self-contained player with tamper protection, VMS is compatible with: Over Thousands of IP camera models and encoders from more than 60 manufacturers, 20 access control systems, Video analytics solutions for license plate recognition, and intrusion detection , Create hierarchical nesting of maps for faster camera and device navigation, EasyConnect automatically finds, assigns and addresses certain IP cameras to the network, Auto-detection and connection of most IP cameras, Easily add IP camera licenses at any time, Per camera licensing with no base server fee with 5 Years Warranty and Support etc. as required.			
8	SITC of Video Analytics- Crowd and People Counting with 5 Years Warranty and Support etc. as required.	2		
9	SITC of Perimeter protection for Boundary Wall with 5 Years Warranty and Support etc. as required.	18		
10	SITC of Option to provide the integrated license plate recognition LPR in a G-Core system. The image data of the selected channel are displayed depending on the set parameterization and the country code for number plate information. Note: In order to ensure constant performance, customer-specific requirements must be included in system planning. A GDongle/LPR or a Softdongle/ANPR on the analytics server is required for activation. One option is required per lane etc. as required with 5 Years Warranty and Support.	4		
11	SITC of Option for controlling and documenting vehicle movements at entrances and exits using the Vehicle Access Manager. All processes are recorded in a central SQL database. Day-end reports can be created and archived with just a few clicks With 5 Years Warranty and Support.	1		
12	SITC of Hardware platform for software solutions. Continuous stability and performance tests guarantee the trouble-free operation and functionality of the safety systems in combination with the latest version of the software with 5 Years Warranty and Support. Processor -Intel® Xeon® 12 core or higher RAM - 64GB or higher Storage capacity -2*500GB Storage capacity -2TB sata RAID 5 GPU - Nvidia GPU 20 GB or higher	1		

13	<p>SITC of Rack mount single chassis Network Video Recorder with dual Gb NIC, , max 2 simultaneous monitors, RS232/485 serial port, NVR should support up to connect min 128cameras per appliances, Continuously record up to 1200 Mbps (Windows) ,1900 Mbps (Linux) of video for high concentration of high definition IP cameras Local client display rate, Windows OS, up to 700 frames per second Linux OS: up to 900 frames per second, Support streaming live / recorded video up to 500 simultaneous PC clients, NVR should Two way audio feature Processor: Gen 4 Intel® Xeon E3 , Windows & Linux platform with 2x1 Gbps NIC and 32 GB of RAM and 8 USB slot (It should be configured as per the storage calculation provided by VMS OEM), IDVI-I, HDMI, Display ports, max 2 simultaneous monitors , NVR should support Maximum 20 HDD slots with 18 TB HDD per slot and It should support minimum 360 TB of storage with RAID 6 . Windows, operating system shall boot and run on a solid-state drive (SSD) to ensure high performance and reliability RAID one is also on Operating system. NVR shall have 2 Gigabit 1000Base-T RJ-45 NIC card NVR shall have RS-485 serial port capabilities to communicate with serial devices Requirement is of critical nature and hence offered NVR must be of global standards and hence should be CE, FCC and UL certified. It should support 8/4 Alarm Inputs/Output NVR shall have Dual Hot Swap redundant Power Supplies Operating Temperature 40° - 95°F (4.5° - 35°C) Pre-loaded Operating System must be on windows platform, MS should also be included if required etc. including 360TB of storage inbuilt in each video recorder with 5 Years Warranty and Support.</p>	2		
14	<p>SITC of Hardware platform for software solutions. Continuous stability and performance tests guarantee the trouble-free operation and functionality of the safety systems in combination with the latest version of the software. Including operating system Windows 10 on SSD with 12th Generation in built in Hardware, 17 processor and 16 Gb RAM and GPU Acceleration The basic device must be extended by the following components: CPU, PSU Optionally up to 4 HDDs and PCIe components can be configured. Please note: The parameterization of the system determines the required hardware including 21" monitor and keyboard with 5 Years Warranty and Support.</p>	6		
15	<p>SITC of automatic Boom Barrier (Electromagnetic) with octagonal shape boom, Arm length 4 Meters, open/close time 3 to 4 second, IP-54 protection with pair of remote control, push button and photo cell safety sensor with 5 Years Warranty and Support.</p>	1		

16	SITC of Lift Communication & Operation with Single emergency call button with 5 Years Warranty and Support.	9		
17	Switch with 24 port X 1G Fiber slots with Expansion slots, with swathing capacity of minimum 240 Gbps and stacking bandwidth of minimum 700Gbps and dedicate stacking ports and forwarding rate of 180 Mpps with stacking kit/ports and stack cable of minimum length 50cm. with 5 Years Warranty and Support.	2		
17.1	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	68		
17.2	1000BASE-T SFP transceiver module for Category 5 copper wire	10		
18	SITC of 8 port POE with 200 Watt POE Budget and 4 x 10sfp+ uplink with SFP with 5 Years Warranty and Support.	36		
19	SITC of NGFW- Firewall with 5 Years Warranty and Support.	1		
20	SITC of LED Video Panel of Size 55", 1.8 MM Bezel Brightness 500 nits with Push Pull Bracket with 5 Years Warranty and Support.	4		
21	SITC of 6 U Rack Indoor With Accessories with 5 Years Warranty and Support.	31		
22	SITC of 6 U Rack Outdoor With Accessories with 5 Years Warranty and Support	6		
23	SITC of 42 U Rack Indoor With Accessories with 5 Years Warranty and Support	1		
24	SITC of 10 KVA Ups with 30 Minute Backup: As per Technical Specification	1		
25	SITC of Network points, Included Cat 6 UTP Cable , Singal Mode Fiber Cable , CAT 6 and Fiber Patch Cord, 4 Mtr. Pole and Bullet Camera Mount With Accessories with 5 Years Warranty and Support.	176		
26	One time Installation, Testing, Commissioning and 5 years support of Active and Passive Components.	1		

	Total Price Without GST	
	GST @18%	
	Total Price With GST	
	Total Price in Words-	

Name(s) & Signature of Authorized person with seal of the Bidder



Date.....

Place.....

PERFORMANCE BANK GUARANTEE (PBG) FORMAT
(On the letterhead of the Issuing Bank)

To, The Director
 All India Institute of Ayurveda,
 Gautampuri, Sarita Vihar,
 New Delhi – 110076

WHEREAS -----(Name and address of the
 supplier)----- (Hereinafter called "the supplier")
 has undertaken, in pursuance of contract no.----- dated-----
 to supply (Equipment/Stores and services) (hereinafter called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee from nationalized bank for the sum specified therein as security for compliance with its obligations in accordance with the contract;-

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of. (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to being default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification. This guarantee shall be valid up to 14(fourteen) months from the date of satisfactory installation of the Equipment/Stores in the User Department at AIIA, DELHI i.e. upto_____.(indicate date).

(Signature with date of the authorized officer of the Bank) Name and designation of the officer
 Seal, name & address of the Bank and address of the issuing Branch, including TelephoneNo. &
 Email ID



Technical Bid

(Signed technical Bid Documents)

[illegible]

Note: Mention detailed specifications (point wise) of quoted item as per schedule of requirement and mention deviation in the specification if any.

Signature, Name of Authorized Person of the Bidder with seal.

Date:

Place:

Contact No.:

Email I'd.....

OK

UNDERTAKING

(To be executed on Rs.100/-Non-judicial Stamp Paper duly attested by Public Notary)

For Compliance of all Terms & Conditions mentioned in this Tender Document

1. The undersigned certify that I/we have gone through the terms and conditions mentioned in the tender document and undertake to comply with them. I have no objection for any of the content of the tender document and I undertake not to submit any complaint/ representation against the tender document after submission date and time of the tender. the rates quoted by me/user valid and binding on me/us for acceptance till the validity of tender.
2. I/We undersigned hereby bind myself/ ourselves to ALL INDIA INSTITUTE OF AYURVEDA DELHI, GAUTAMPURI SARITA VIHAR, DELHI-110076 to complete the assigned work on approved prices to AIIA DELHI, during the specified period under this contract.
3. The articles/devices used shall be of the best quality and of the kind as per the requirement of the institution. The decision of the Director, AIIA DELHI, India (hereinafter called the said officer) as regard to the quality and kind of article shall be final and binding on me.
4. Performance security 8% of the cost of the supply value shall be deposited by me in the form of FDR/ Bank Guarantee in the name of The Director, All India Institute of Ayurveda, DELHI in the format at Annexure-VI attached herewith on award of the contract and shall remain in the custody of the Director till the validity of the Tender Contract plus two months (i.e., for 62 months).
5. Should the said officer deem it necessary to change any article on being found of inferior quality, it shall be replaced by me/us free of cost in time to prevent in convenience.
6. If I/We fail to complete the works in stipulated period the AIIA has full power to compound or forfeit the Bid Security/security deposit.
7. I/We declare that no legal/ financial irregularities are pending against us.
8. I/We undertake that the rates quoted by me when approved and selected by the Director, AIIA DELHI will be valid for one year from the date of approval of the rate contract in the format given in Annexure-V or till extended as mutually agreed upon. I/we undertake to supply the equipment/stores will be as per the Terms & Conditions in tender document.

I/we undertake to supply the order with in stipulated period and if fail to supply order during the stipulated period then necessary action can be taken by the Director, AIIA, DELHI.

9. I/We undertake that if the rates of any items are lowered due to any reason, I will charge the lower rates.

10. Affidavit regarding No CBI Inquiry/ FEMA/ Criminal proceeding/ Black listing is pending or going on against the manufacturer/ bidder firm is also enclosed. I undertake that I will not submit any irrelevant documents with the tender and in doing so I will not have any objection if my tender is



rejected on that ground.

11. I/We undertake to supply the all Literature (Log Book/Maintenance Record/ Troubleshooting/ Operation Manuals etc.) supplied with each of equipment by Principal Manufacturer in Original to AIIA, DELHI.
12. I/we do hereby confirm that the prices/ rates quoted are fixed and are at par with the prices quoted by me /us to any other Govt. of India/ Govt. Hospitals/ Medical Institutions/PSUs. I/we also offer to supply the Equipment/ stores at the prices and rates not exceeding those mentioned in the Financial Bid.
13. I/we do accept/ agree for the all clauses including the 5 years onsite Warranty inclusive of all spares and labour etc.
14. I/we have necessary infrastructure for the maintenance of the site.
15. I/we undertake those complaints will be resolved within 24 hours of the receiving from the Hospital failing which penalty may be recovered from pending bill/Bank Guarantee before releasing the same to us after 62 months as per penalty clause of RFP Document.
16. I/we undertake, If as a result of post payment audit any over payment is deducted in respect of any Supply/work done by our Agency or alleged to have been done by our Agency under this tender, it shall be recovered by the AIIA DELHI from our Agency.
17. I/We do hereby confirm that I/we aware about the provisions of "Make in India" initiatives and directives regarding Price Preference Policy to Make in India Registered Bidders and I/We undertake for following the same as per directions of AIIA DELHI in respect of this Tender Enquiry.
18. I/We undertake to respect Anti-Profiteering Rule under GST Act 2017 of Govt. of India and will have mandatory to pass on the benefit due to reduction in rate of tax to the AIIA, DELHI by way of commensurate reduction in our prices. And if I/we will be found defaulter for following of above said rule (i.e. passing all the benefits of GST Tax Regime price reductions to AIIA, DELHI), the AIIA, DELHI have the right to initiate necessary action deemed fit as per GST Act, 2017 against our firm.
19. I/we undertake, If as a result of post payment audit any over payment is deducted in respect of any Supply/work done by our Agency or alleged to have been done by our Agency under this tender, it shall be recovered by the AIIA DELHI from our Agency.
20. I/we undertake that we shall liable to provide all the relevant records copies during the concurrency period of Contract or otherwise even after the Contract is over, whenever required by AIIA, DELHI.
21. I/We do solemnly pledge and affirm that I/We have not been declared defaulter by any Govt. agency and that no case of any nature i.e., CBI/FEMA/Criminal/Income Tax/GST/ Blacklisting is pending against my/our firm.
22. I pledge and solemnly affirm that the information submitted in tender documents is true to the best of my knowledge and belief. I/We further pledge and solemnly affirm that nothing has been concealed by me and if anything, adverse comes to the notice of purchaser during the validity of tender period, the Director, All India Institute of Ayurveda, DELHI (India) will have full authority to take appropriate action as he/she may deem fit.



23. We are also undertaking that the Department of Commerce or Ministry/any other Department has been not debarred/blacklisted our firm as per best of our knowledge, if any such debarment/blacklisting come to the notice of AIIA DELHI Authorities during execution of Supplies against this Tender Enquiry, AIIA DELHI have right to reject our proposal and take appropriate action deemed fit against our firm as per prevailing applicable Rules & Regulations.

Signature, Name of Authorized Person of the Bidder with
seal.



Date:.....

Place:.....

PUBLIC FINANCIAL MANAGEMENT SYSTEM(PFMS) REGISTRATION FORM		
PFMS UNIQUE CODE:		
VENDOR REGISTRATION FORM		
Sl. No.	Head Name	Details
1.	Vendor Name	
2.	Father/Husband/Partner/Director/Owner Name/	
3.	Date of Incorporation/Estb	
4.	PAN Number	
5.	GSTIN	
6.	TAN	
7.	Aadhar Number	
8.	Address1	
9.	Address2	
10.	Address3	
11.	City	
12.	Country	
13.	State	
14.	District	
15.	Pin Code	
16.	Mobile No.	
17.	Phone No.	
18.	Email ID	
19.	Bank Name	
20.	IFSC Code	
21.	Account Number	
DATE:		
PLACE:		VENDOR SIGNATURE WITH SEAL
Note:	All related self-attested documents also enclosed with this form	

CHECKLIST FOR TENDER

Index page for technical bid evolution (Must be filed properly and to be first page of technical bid)

(Check list should be placed at the beginning of the bid document)

S.no	Name of documents	Page Number in submitted bid
1	The average annual financial turnover for the last three years, ending on 31st March 2024, as per the annual report (audited balance sheet and profit & loss account)	
2	Bidder should not have suffered any financial loss for more than one year during the last three years, ending on 31st March of the previous financial year 2023-24. A certificate from the CA must be attached	
3	The Bidder should be one stop solution to "Design, Develop, Customize, Supply of Hardware and ICT Infrastructure. The Bidder must have completed one similar nature of ICT works before closing date of bid.	
4	The Bidder should not be blacklisted in any of the Indian Government Department.	
5	The bidders should have ISO 9001-2000 / ISO: 27000 and other related.	
6	Original Equipment Manufacturer authorization	



7	Experience and Past Performance: (a) The bidder should have manufactured and/ or supplied/completed "Supply, Installation, Commissioning, CCTV Surveillance System and Video Analytics Solution/ IT Infrastructure " with the same or higher specifications as mentioned at Annexure-I during last three years, ending 31st March of the previous financial year 2023-24 as under (i) One similar works of the value equal to 80% of bid value or (ii) Two similar works of the value equal to 50% of bid value or (iii) Three similar works of the value equal to 40% of bid value	
8	GSTN	
9	PAN	
10	Dedicated/Toll free No.	
11	Escalation Matrix	
12	Non-blacklisting/financial standing declaration	
13	Bid Signatory authorization, if required	
14	Signed NIT document Sign must be on each page	
15	Experience with documents (Works detail and year in which completed and Value in INR)	
16	Annexure-I	
17	Annexure-II (Bid Security Declaration)	
18	Annexure-III	
19	Annexure-IV	
20	Annexure-V	
21	Annexure-VI	
22	Annexure-VII	
23	Annexure-VIII	
24	Annexure-IX	
25	Annexure- X	

Date:

Signature of the Authorized person Seal

