

RailTel Corporation of India Limited
(A Mini Ratna PSU under Ministry of Railways)



NOTICE INVITING EXPRESSION OF INTEREST (EOI),

EOI No. : RailTel/EoI/JP/2022-23/01.

Dated 15th May 2022

Expression of Interest (EOI) from RailTel's Empanelled Partners for the selection of suitable partner as Exclusive pre-bid teaming arrangement for "Rate Contract of 2 years for Supply, installation and commissioning of Surveillance equipments along with cabling" for Customer of RailTel (CoR) for agreed scope of work on back-to-back basis.

Issued by:

RailTel Corporation of India Ltd.
(A Mini-Ratna PSU under Ministry of Railways)

Jaipur Territory Office,
Railway Microwave Complex, Railway Colony,
Ganpati Nagar, Jaipur-302006.

<https://www.railtelindia.com>

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 or not to bid.

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EOI NOTICE

EOI Notice No: RailTel/Eol/JP/2022-23/01, dated 15th May 2022.

RailTel Corporation of India Ltd., (here after referred to as “RailTel”) invites EOIs from RailTel’s Empanelled Partners for the selection of suitable partner as Exclusive pre-bid teaming arrangement for “Rate Contract of 2 years for Supply, installation and commissioning of Surveillance equipments along with cabling” for Customer of RailTel (CoR) for agreed scope of work on back-to-back basis.

The details are as under:

SCHEDULE OF EVENTS

1	EOI Document Availability	EOI document can be downloaded from website http://www.railtelindia.com or https://railtel.enivida.com
2	Cost of the EOI Document	NIL
3	Estimated Value of Eol	Rs.75,00,00,000/- (Rs.75 Cr)
4	Earnest Money Deposit (EMD) for Pre-Bid arrangement	EMD for Rs.1,50,00,000/- (Rs.1.5 Cr) in form of DD/Online Payment/BG
5	Performance BG	Rs.2,25,00,000/- (Rs.2.25 Cr)
5	Last date of submission of response to EOI	1000 Hrs on 18.05.2022
6	Date & Time of Opening of EOI	1030 Hrs on 18.05.2022
7	Mode of Submission of Bid	E-Bid submission only at https://railtel.enivida.com
8	Contact Person for Bid	Sh. Pankaj Singh, Senior Manager Contact No. 7087039937 Sh. S.S. Jeph, Dy. General Manager Contact No. 9001044112

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

1. The EOI response is invited from eligible Empanelled Partners of RailTel only.
2. All the document must be submitted with proper indexing and page no.
3. This is an exclusive pre-RFP partnership arrangement with empanelled business associate of RailTel for participating in the end customer RFP. Selected partner’s authorised signatory has to give an undertaking they will not submit directly or indirectly their bids and techno-commercial solution/association with any other Organization once selected in this EOI for pre-bid teaming

arrangement (before and after submission of bid to prospective customer Organization by RailTel). This undertaking has to be given with this EOI Response.

4. Transfer and Sub-letting. The Business Associate has no right to give, bargain, sell, assignor sublet or otherwise dispose of 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.
5. Relevant technical specification of this EOI documents of end Customer Organization can be shared to the authorized person of Business Associate on submission of following: -
 - (i) EMD of Rs.1.5 Cr in form of DD/Online payment/BG.
 - (iii) Non-Disclosure Undertaking (NDU) Document as per (Annexure-7 of this EOI) to RailTel,
6. 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. Bidder also undertake to submit MAF of major items of the proposed solution and other documents required in the end Customer Organization tender in favour of RailTel against the proposed products. The selected BA has to provide MAF from the OEM in the name of RailTel for bidding in the concerned tender of CoR, if their proposed solution is quoted to the customer.
7. The Selected Bidder will have to be accept all terms and conditions of CoR RFP's on back-to-back basis.

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 fibre 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 “Mini 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. Introduction:

With reference to above subject, RailTel Corporation of India Ltd. (RCIL) calls your attention for Selection of Systems Integrator & Implementation Partner for bidding for requirement of Customer of RailTel (CoR) for “Supply, installation and commissioning of Surveillance equipments along with cabling on back-to-back basis” from RailTel’s empanelled BA/SI/ Partners.

- a. The rates should be inclusive of taxes, however, breakup of all the taxes charged by the BA/SI shall be shown separately. The BA/SI has to submit the breakup of all taxes at the time of submission of their “Tax invoices” also. The BA/SI has also to submit their GSTIN No. at the time of submissions of their “Tax invoices”. In addition to it, the BA/SI should submit a copy of the GSTIN registration certificate for the states wherever applicable. In case of the successful BA/SI is not liable to be registered under CGST/IGST/UTGST/SGST Act, the RailTel shall deduct the applicable GST from his/their bill under RCM and deposit the same to the concerned tax authority. Vendors should file GST return and transfer credit of GST in RailTel account as per GST procedure.
- b. The offers shall be opened on above said date, in the presence of those BA/SI, who choose to be present. If the above said date happens to be a holiday, the same shall be opened on the next working day.

3. Background Information:

- 3.1. No information of this document or related to this work shall be shared with anyone without permission of RCIL-Northern Region office.

4. Scope of Work:

The broad responsibility of the BA/SI under the scope of work for this EOI shall be as per Appendix-A and the RFP floated by CoR with Reference no. F3.3(384)/RISL/PUR/2022-01114/336, dt.13.04.2022 on portal www.eproc.rajabasthan.gov.in.

5. Selection Criteria:

Interested partners may note that this is a Two Packet Bid.

Only those bids shall be opened, which have been submitted within the stipulated time as mentioned in this EOI document:

5.1. Stage-I: Technical Bid

- 5.1.1. Sealed proposals of only those BA/SIs will be entertained who are empaneled with RCIL. The PBG for empanelment should be valid on opening of the bids. A copy of PBG should be submitted along the technical-commercial bid.
- 5.1.2. The Technical Compliance of the Scope of Work (sample Annexure attached at 10). 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.
- 5.1.3. BOQ/BOM without Price quote.
- 5.1.4. Compliance of OEM with their MAF's and all mandatory documents asked by CoR from OEM.
- 5.1.5. Unconditional Acceptance of the Tender document of CoR and General Document of CoR with Reference no. F3.3(384)/RISL/PUR/2022-01114/336, dt.13.04.2022.
- 5.1.6. This EOI acceptance.
- 5.1.7. Annexure Formats as mentioned in this EOI.
- 5.1.8. Bid Security Declaration for EMD.
- 5.1.9. All documents mentioned in checklist and annexures of this EOI.

In stage-I technical bid evaluation will be done based on above mentioned documents. Technical Document without OEM Name, Make and Model, technical Compliance, and unconditional acceptance of the CoR hard Copies and this EOI, the bids may be summarily rejected. Based on above evaluation outcome, the Qualified Bidders Financial Bids will be opened up.

5.2. Stage-II: Financial Bid

5.2.1. BOM/BOQ with Unit Price

Those BA/SIs whose PBG is in place and those are complying with Stage-I and Stage-II, will be evaluated on Technical & Financial Parameter as per the Technical & Price Bid- Annexure-1A. The BA/SIs meeting the technical compliance of RailTel's customer 100% & quoting the lowest price (excluding GST) shall be adjudged 'Successful BA/SI'. No upward price revision is allowed at a later stage excluding GST.

6. Qualification criteria:

1. There should not be any ongoing or past arbitration case(s) between RailTel/REL/Customer of RailTel and Applicant for the past two years on the last date of submission of EOI. Self-Declaration is to be submitted in this regard.
2. The bidder should submit 'Acknowledgment Copy' of Income Tax Returns for last three Financial Years.
3. The bidder should have a valid Corporate Identification Number (CIN), Permanent Account Number (PAN), Taxpayer Identification Number (TIN), Goods and Service Tax Identification Number (GSTIN), on the last date of submission of EOI. Copy of documents in this regard is to be submitted.
4. The Applicant should not be blacklisted by any State / Central Government / PSU / Autonomous Body on the last date of submission of EOI. Self-Declaration is to be submitted in this regard.
5. MAF in the name of RailTel from the Original Equipment Manufacturing (OEM) proposed by the bidder.
6. No Deviation Certificate as per annexure-2A.
7. The BA/SI shall submit a notarized affidavit (as per annexure-3A) on a non-judicial stamp paper stating that they meet the 100% compliance requirements & all their statements/documents submitted along with the bid are true and factual. Standard format of the affidavit to be submitted by the bidder is given in the EOI document. Non-submission of an affidavit by the bidder shall result in rejection of his/their bid and it shall be mandatorily incumbent upon the BA/SI to identify, state and submit the supporting documents duly self-attested by which they/he are/is qualifying the work experience/Qualifying Criteria mentioned in the EOI Document. It will not be obligatory on the part of EOI Evaluation Committee to scrutinize beyond the submitted document of the BA/SI as far as his qualification for the EOI is concerned.
8. The BA shall submit a declaration/undertaking regarding their compliance with GOI Ministry of Finance OM No. F. No. 6/18/2019-PPD, dated 23-07-2020 regarding restrictions on procurement from a bidder of a country which shares a land border with India. Undertaking on the bidder's Letter Head duly Signed and stamped by the Authorized Signatory.
9. Minimum Qualifying Work Experience Required: IT/ITES/Telecom work order in Government/PSU/Telcos with minimum value of Rs.10 Crore in maximum 2 work orders in previous three years.
10. The bidder should have a minimum average annual turnover of Rs. 25 Crore in previous three Financial years as per audited balance sheet. The bidder has to submit the audited balance sheets for the last three financial years in support of their eligibility.
11. Payment terms will be back-to-back basis and as mentioned in RFP document. Payment will be released on receipt of Tax Invoice for the work and after RailTel receives the payment from Customer for the same work.
12. The service level arrangement will be back-to-back and all the penalties deducted by Customer will be passed on to selected bidder on actual/proportionate basis. RCIL shall be awarding the contract only after receiving confirm order from the Customer.

13. Bidders are requested to quote their best prices considering the fact that price negotiation, if required with the vendor will be passed on to the selected bidder.

14. The bidders are required to submit copy of the EOI document duly digitally signed by Authorized Signatories as a token of acceptance of terms & conditions of contract.

7. Duration of Engagement:

- (a) The contract will be governed on back-to-back basis as per the contract between RailTel and CoR however RailTel reserves the right to negotiate the prices for the bidding without any obligation to the bidder.

8. RCIL's Right to Accept/Reject Bids :

RCIL reserves the right to accept or reject any bid and annul the bidding process or even reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected BA/SI or BA/SIs or without any obligation to inform the affected BA/SI or BA/SIs about the grounds of rejection by RailTel.

9. Bid Validity:

Bids shall remain valid for a period of 90 days from the date of opening of the bids. RCIL shall at its own discretion reject a bid validity of shorter period. The same shall be further extended, if need be based on request from the purchaser.

10. Bid Currency:

The prices in the bid document shall be expressed in Indian Rupees only and price figures quoted wherever will be considered as expressed in Indian Rupees only.

11. Modification and/or Withdrawal of Bids:

Bids once submitted will be treated, as final and no modification will be permitted. No correspondence in this regard will be entertained.

No BA/SI shall be allowed to withdraw the bid after the deadline for submission of bids.

If successful BA/SI withdraw or back out from the bid commitments, the BG submitted in reference to empanelment, shall be forfeited and all interests/claims of such BA/SI shall be deemed as foreclosed/rejected. Such BAs withdrawal may be considered for further action as may be deemed fit by RailTel.

12. Variation in Quantity Clause:

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

13. Negotiation:

- RCIL reserves the right to negotiate with the successful BA/SI in order to make the bid competitive.

- Bidders are requested to quote their best prices considering the fact that price negotiation, if required with the vendor will be passed on to the selected bidder.

14. Payment Terms:

- Payment will be on back-to-back basis i.e. after payment is received from Customer of RailTel. As per commercial clauses No. 5 (a) of Appendix "G".
- Payment terms will be back-to-back basis and as mentioned in RFP document. Payment will be released on receipt of Tax Invoice for the work and after RailTel receives the payment from Customer for the same work.

15. Agreement & Restrictions on 'Transfer of Agreement':

- (1) A pre-bid agreement shall need to be signed for successful completion of the contract at the quoted/ agreed rate as per RailTel terms & conditions.
- (2) The successful BA/SI shall not assign or transfer its right in any manner whatsoever under the agreement to a third party or enter into any agreement for subcontracting and/or partnership relating to any subject matter of the agreement to any third party either in whole or in any part i.e. no subcontracting/partnership/third party interest shall be created with reference work/project assigned through this EoI.

16. Delivery Timeline:

As per Annexure VI to Appendix 'G'

17. Liquidated Damage (LD):

- RCIL reserve the right to impose the LD in case of delay in supply at the rate of **1.5% per week** or part thereof for delayed stores which the successful BA/SI has failed to deliver within the period agreed for delivery in the contract subject to **maximum of 15% of the total PO** value. In certain categories of procurement, LD can also be levied on the successful BA/SI of the store supplied partially within the scope of the order/contract that could not be put to use due to late delivery of the remaining stores.
- The service level arrangement will be back-to-back and all the penalties deducted by Customer will be passed on to selected bidder on actual basis.

18. Liability under Agreement/EoI:

Except as provided in the EoI document, neither party i.e. RCIL and successful BA/SI shall be liable to each other party or any other party by virtue of termination of the EoI for any reason whatsoever for any claim for loss or profit or on account for any expenditure, investment, leases, capital improvements or any other commitments made by the other party in connection with their business made in reliance upon or by virtue of the EoI document.

19. Suspension, Revocation or Termination of agreement /Eol :

19.1 RailTel reserves the right to suspend the operation of the Eol, 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 Eol will not be a cause or ground for extension of the period of the Eol and suspension period will be taken as period spent. During this period, no charges for the use of the facility of the successful BA/SI shall be payable by RailTel.

19.2. RailTel may, without prejudice to any other remedy available for the breach of any conditions of Eol, by a written notice of Three month issued to the Successful BA/SI at its registered office, terminate/or suspend the agreement under any of the following circumstances:

19.2.1 The successful BA/SI failing to perform any obligation(s) under the agreement.

19.2.2 The successful BA/SI failing to rectify, within the time prescribed, any defect as may be pointed out by RailTel

19.2.3 The successful BA/SI going into liquidation or ordered to be wound up by competent authority.

19.2.4 If the successful BA/SI 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 suitable modifying the conditions, as it feels fit under the circumstances.

19.2.5 It shall be the responsibility of the successful BA/SI to maintain the agreed Quality of Service, even during the period when the notice for surrender/termination of agreement is pending and if the Quality of Performance of Solution is not maintained, during the said notice period, it shall be treated as material breach liable for termination at risk and consequent of successful BA/SI and Performance Bank Guarantee submitted along with empanelment letter shall be forfeited, without any further notice. Also, the PBG submitted for the Eol in context shall be forfeited, without any further notice.

19.2.6 Breach of non-fulfillment of 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 BA/SI or not. The successful BA/SI shall extend all reasonable facilities and shall endeavor to remove the hindrance of every type upon such inquiry. In case of default by the selected BA/SI in successful implementation and thereafter maintenance of work as per the conditions mentioned in the Scope of work and Eol, the PBG of successful BA/SI available with RailTel will be forfeited.

20. Dispute Settlement:

In case of any dispute concerning this order both the successful BA/SI and RailTel shall try to settle the same amicably through mutual discussion/negotiation. 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. Arbitrator shall be appointed by Chairman & Managing Director, RailTel Corporation of India Limited.

21. Force-Majeure under Agreement/Eol :

If at any time, during the continuance of this agreement, the performance in whole or in any part, by either party i.e RCIL and successful BA/SI, of any obligation under this is prevented or delayed, by reason of war, or 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 successful BA/SI, fire, floods, 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 21 Calendar days from the date of occurrence thereof, neither party shall, by reason of such event, be entitled to terminate the agreement, nor shall either party have any such claims for damage against the other, in respect of such non-performance or delay in performance. Provided service under the agreement shall be resumed as soon as practicable, after such event comes to an end or ceases to exist. The decision of RailTel as to whether the service may be so resumed (and the time frame within which the service may be resumed) or not, shall be final and conclusive. However, the force-majeure events noted above will not in any way cause extension in the period of the agreement.

22. Labour Laws to be complied by the successful BA/SI:

The successful BA/SI shall obtain a valid licence under the Contract Labour (RA) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The BA/SI shall also comply with the provisions of the Inter-State Migrant Work-men(Regulation of Employment and Conditions of Service) Act 1979. The successful BA/SI shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

23. Eol Submission Details :

You are requested to submit the complete 'Technical and Commercial Proposal' online using e-Procurement Portal <https://railtel.enivida.com>.

23.1. Two Packet Bid system will be followed for this EOI with a Lowest Cost Based Selection Criterion. The 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'.

23.2. The bidder should take into account any Corrigendum to this EOI document that

may have been published before submitting their bids. The bid is to be submitted online i.e. at RailTel's e- Tender portal (www.railtel.enivida.com). Physical / Offline submitted bid will not be entertained.

23.3. Bidders in their own interest are advised to submit the bid well before the last date and hence to avoid any inconvenience at the last moment.

23.4. The bidder may modify or withdraw its bid after submission, prior to the deadline date and time prescribed for the bid submission in this EOI. Bid withdrawal notices received after the bid submission deadline will be ignored, and the submitted bid will be deemed to be a validly submitted bid. No bid may be withdrawn in the interval between the bid submission last date and the expirations of the bid validity period. Withdrawal of a bid during this interval may result in the forfeiture of the bidders EMD or cancellation of empanelment of BA/SI with RailTel.

23.5. An Organization / Bidder can submit only 'One Bid'. Submission of multiple bids by a bidder will lead to rejection of all of its bids.

23.6 Tenderer shall quote in SOR provided in eNivida portal only. In case the schedule of requirements quoted by the tenderer is incomplete with reference to the EOI document, the offer is liable to be rejected.

23.7 The rates quoted should be written both in words and figures. The unit of rates should be in the metric system and as per EOI specification/schedule. In case of difference between words and figures, the rate in words will prevail. If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the purchaser accordingly.

23.8 BA/SI are requested to go through all the conditions of the EOI document and note that, by submitting the EOI documents, duly signed, they have accepted these conditions and undertake to abide by these conditions (unless specifically disagreed to clause wise).

23.9 ATTESTATION OF ALTERATION: No scribbling is permissible in the EOI documents. EOI containing erasures and alterations in the EOI documents are liable to be rejected. Any correction made by the BA/SI in his/their entries must be signed (not initialed) by him/them.

In reference to the above, Bid Proposal should consist of:

- a. Copy of PBG submitted to RailTel in reference to their empanelment letter and LOA copy. The PBG should be valid on the date of opening of bids for the EOI in context.
- b. EMD Declaration Letter as per Annexure-3
- c. Price Bid in the format as per Annexure-1A
- d. Documents as per clause 4 b.

24. Compliance to the EOI Document:

- BA/SIs should ensure compliance to all clauses of this EOI. Any deviation will lead to rejection of the EOI of BA/SI.
- The bidders are required to submit copy of the EOI document duly signed by Authorized Signatories as a token of acceptance of terms & conditions of contract.
- All the terms and conditions of the RFP document of the customer with be

applicable back to back to the selected BA.

- Prebid agreement will be executed at the quoted/accepted rates with the selected partner for the project to ensure the fulfilment of the commitment.

25. Amendment to EOI Document

- 25.1.** 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 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 bid.

Annexure-1A

Price Bid

As per Excel Sheet

Appendix- 'A'

SCOPE OF WORK

1. Details of Work:

The broad scope of work for the SI is to supply, installation and commissioning of items with OFC laying as per Bill of Material mentioned in **Annexure-1** and technical specifications mentioned in **Annexure-2** with five years Warranty & maintenance support services at different locations across the State of Rajasthan.

The rate quoted by the bidder for each item mentioned in the tender shall remain valid for purchase by COR for a period of two years and may be extended as per RTPP Act on mutual acceptance on same terms and conditions subject to price fall clause.

The detailed scope of work for the SI during the period of contract/ engagement would include the following: -

A. Supply of ordered Items/equipments and LAN

- a) Items/equipments for the ordered quantity are to be supplied as per specifications defined in Annexure-2.
- b) All item/hardware should be supplied with all the required installation material/ accessories/software (wherever required) for proper installation at respective site.
- c) The supply needs to be completed as per chapter 4, Clause 2 (Project Activity, Deliverables, Timelines and Payment) of this bidding document.
- d) In case of any equipments/items supplied under this contract as mentioned in Annexure-1 (Bill of Material) become non-functional, SI shall be responsible for onsite replacement/repair of the equipment as per SLA at no additional cost to tendering authority.

B. Installation & commissioning of Items /equipments and LAN

The selected bidder / SI shall be required to:

B.1 Local Area Network & Cabling.

- a) Laying Structured LAN in specified locations/offices.
- b) Design and Commission the Local Area Network with following features:
 - Network Points shall be marked using proper labels on the faceplates, I/O Boxes, Patch Panels.
 - Deploy the patch panels, I/O boxes, plates, etc. as per the OEM standard practice.
 - Electrical, LAN & OFC cables shall be routed with proper casing or conduits.
 - Supply & Installation of any other item required for successful commissioning of LAN
- c) The SI shall not cause any damage to premises/buildings and property and will perform restoration if any damage occurs. All the expenditure done towards this will have to be borne by SI.
- d) Prepare and provide Network Diagram of commissioned LAN, OFC and Electrical cabling.

B.2 Installation and Commissioning of items/equipments

- a) Install all items procured under this contract and integrate with NVR(s) and switches provided by COR.

- b) Ensure all cameras should be integrated with existing VMS i.e. Nicevision Net 3.1 or higher installed at respective Divisional Data Centers.
- c) Supply & Installation of any other item required for successful commissioning.
- d) The SI shall configure all the equipment for end-to-end user access to applications/services.
- e) Upon successful installation of all the Hardware/ Software, the SI shall submit installation reports (in original) duly verified by the respective nodal officer/ end-user.
- f) COR upon receipt of all installation reports (wherever applicable) from the SI, shall validate the same as per work order/ bidding document for its compliance.

C. Warranty & Maintenance Support services for equipments and LAN & Electric cabling

The successful bidder shall

- Provide comprehensive onsite five year warranty for all items from date of successful installation for the period mentioned in technical specification(s).
- Provide comprehensive Maintenance Support Services (MSS) for all supplied Hardware/Software with allied items. This involves comprehensive maintenance of all component covered under the contract including repairing, replacement of parts, modules, sub-modules, assemblies, sub-assemblies, spares part, Network, OFC and Electric cables etc. to make the system operational.
- Provide troubleshooting of problems which arise and resolve the same.
- Provide a standby equipment of similar or higher configuration when the fault is not rectifiable until the faulty equipment is repaired and replaced.
- In case faulty equipment is not repairable, the SI need to replace the same with similar or higher configuration
- Depute a Project Manager who will be responsible for coordinating with all stakeholders i.e COR, CCC FMS Team and District Level Officer of CoR etc. for successful implementation and smooth functioning of maintenance Support services
- Provide details of Single Point of Contact (Name, Phone No, Email-ID etc) so FMS Team of COR and District Level officer/Nodal officer can lodge a complaint. SI shall provide a complaint number for each complaint for which a proper record would be maintained.
- Maintain complaint register with tracking of all intermediate status upto the closure. Monthly verified copy (by DLO/Nodal officer) of complaint register should also be submitted by SI to COR along with the quarterly invoice for payments.
- SI has to resolve the problem reported within the stipulated period as per SLA mentioned in this tender document.

2. Project Activity, Deliverables, Timelines and payment:

The milestones, deliverables, time schedule and payment for the implementation of the project would be as follows: -

- a) The time specified for delivery and other activities as mentioned in the table below shall be deemed to be the essence of the contract and the SI shall arrange supplies and provide the required services within the specified period.
- b) "T" is the event marking COR issuing the work order for supply, installation and commissioning of various items under Rate Contract to the selected bidder(s) i.e. SI. Payments to the selected bidder, after successful completion of the target milestones (including specified project deliverables), would be made as under:

Sr. No.	Project Activity/ Scope of Work	Deliverables (Reports/ Docs./ Infra.)	Timelines	Payable Amount
1.	Signing Agreement and submission of Security Deposit	Agreement and Security Deposit	Within 15 days from date of issue of Lol .	-NIL-
2.	Submission of final Network Design for the specified area.	Final Network Diagram along with all deliverables defined in clause "Survey and Overlay access Network Design" & LAN Network	T+15 days for draft Network design. Additional seven days for final Network design incorporating the required changes as suggested by COR	-NIL-
3.	Supply ,Installation and Commissioning of Item(s) as mentioned in Work order.	Delivery challan & Installation Report OEM Warranty Certificates for Hardware & software items (wherever applicable) VMS Integration Report by TPA/COR Network Diagram of commissioned LAN,OFC & Electrical cabling.	T+ 90 days	80%

4.	Maintenance support services	Quarterly SLA report	After end of each Quarter (Starting from the Date of Commissioning)	Remaining 20% will be equally spread over 5 years payable in 20 Quarters after making adjustments of penalties as per SLA/Performance
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Note: The quantities mentioned in the Bid are indicative/ approx. and shall only be used for the purpose of financial bid evaluation which can be increased & decreases by the procuring entity and the Payments shall be made as per actual quantities supplied, installed and commissioned as per scope of work. No minimum quantity is guaranteed in rate contract.

- c) The supplier/ selected bidder request for payment shall be made to the purchaser in writing, accompanied by invoices describing, as appropriate, the goods delivered and related services performed, and by the required documents submitted pursuant to general conditions of the contract and upon fulfilment of all the obligations stipulated in the Contract.
- d) The supplier/ selected bidder may request for payment to the purchaser on completion of work in each city.
- e) Due payments may be made promptly by the purchaser.
- f) The currency or currencies in which payments shall be made to the supplier/ selected bidder under this Contract shall be Indian Rupees (INR) only.
- g) All remittance charges will be borne by the supplier/ selected bidder.
- h) In case of disputed items, the disputed amount shall be withheld and will be paid only after settlement of the dispute.
- i) Payment in case of those goods which need testing shall be made only when such tests have been carried out, test results received conforming to the prescribed specification.
- j) Any penalties/ liquidated damages, as applicable, for delay and non-performance, as mentioned in this bidding document, will be deducted from the payments for the respective milestones.
- k) Taxes, as applicable, will be deducted/ paid as per the prevalent rules and regulations.

GENERAL TERMS AND CONDITIONS OF TENDER & CONTRACT:

1) Extension in Delivery Period and Liquidated Damages (LD)

- a) Except as provided under clause “Force Majeure”, if the supplier/ selected bidder fails to deliver any or all of the Goods or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in (d) below for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the bidding document and/ or contract. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to clause “Termination”.
- b) The time specified for delivery in the bidding document shall be deemed to be the essence of the contract and the supplier/ selected bidder shall arrange goods supply and related services within the specified period.
- c) Delivery and installation/ completion period may be extended with or without liquidated damages, if the delay in the supply of goods or service is on account of hindrances beyond the control of the supplier/ selected bidder.
 - i. The supplier/ selected bidder shall request in writing to the Purchaser giving reasons for extending the delivery period of service, if he finds himself unable to complete the supply of goods or service within the stipulated delivery period or is unable to maintain prorate progress in the supply of goods or service delivery. This request shall be submitted as soon as a hindrance in delivery of goods and service occurs or within 15 days from such occurrence but before expiry of stipulated period of completion of delivery of goods and service after which such request shall not be entertained.
 - ii. The Purchaser shall examine the justification of causes of hindrance in the delivery of goods and service and the period of delay occurred due to that and recommend the competent authority on the period of extension which should be granted with or without liquidated damages.
 - iii. Normally, extension in delivery period of goods and service in following circumstances may be considered without liquidated damages:
 - a. When delay has occurred due to delay in supply of drawings, designs, plans etc. if the user department or COR was required to supply them to the supplier of goods or service provider as per terms of the contract.
 - b. When delay has occurred in supply of materials etc. if these were required to be supplied to the supplier or service provider by the COR as per terms of the contract.
 - iv. If the competent authority agrees to extend the delivery period/ schedule, an amendment to the contract with suitable denial clauses and with or without liquidated damages, as the case may be, shall be issued. The amendment letter shall mention that no extra price or additional cost for any reason, what so ever beyond the contracted cost shall be paid for the delayed supply of goods and service.
 - v. It shall be at the discretion of the concerned authority to accept or not to accept the supply of goods and/ or services rendered by the contractor after the expiry of the stipulated delivery period, if no formal extension in delivery period has been applied and granted. The competent authority shall have right to cancel the contract with respect to undelivered goods and/ or service.

- vi. If user department or CORs in need of the good and/ or service rendered after expiry of the stipulated delivery period, it may accept the services and issue a letter of extension in delivery period with usual liquidated damages and denial clauses to regularize the transaction.
- d) In case of extension in the delivery and/ or installation/ completion/ commissioning period is granted with full liquidated damages, the recovery shall be made on the basis of following percentages of value of goods and/ or service which the supplier/ selected bidder has failed to supply/ install/ complete : -

No.	Condition	LD %*
a.	Delay up to one fourth period of the prescribed period as per scope of work and deliverable	2.5 %
b.	Delay exceeding one fourth but not exceeding half as per scope of work and deliverable	5.0 %
c.	Delay exceeding half but not exceeding three fourth as per scope of work and deliverable	7.5 %
d.	Delay exceeding three fourth of the prescribed period as per scope of work and deliverable	10.0 %

- i. Fraction of a day in reckoning period of delay in supplies, successful installation and completion of work shall be eliminated, if it is less than half a day.
- ii. *The percentage refers to the payment due for the associated works/ goods/ service.

2) Authenticity of Equipment

- a) The selected bidder shall certify that the supplied goods are brand new, genuine/ authentic, not refurbished, conform to the description and quality as specified in this bidding document and are free from defects in material, workmanship and service.
- b) If during the contract period, the said goods be discovered counterfeit/ unauthentic or not to conform to the description and quality aforesaid or have determined (and the decision of the Purchase Officer in that behalf will be final and conclusive), notwithstanding the fact that the purchaser may have inspected and/ or approved the said goods, the purchaser will be entitled to reject the said goods or such portion thereof as may be discovered not to conform to the said description and quality, on such rejection the goods will be at the selected bidder's risk and all the provisions relating to rejection of goods etc., shall apply. The selected bidder shall, if so called upon to do, replace the goods etc., or such portion thereof as is rejected by Purchase Officer, otherwise the selected bidder shall pay such damage as may arise by the reason of the breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the Purchase Officer in that behalf under this contract or otherwise.
- c) Goods accepted by the purchaser in terms of the contract shall in no way dilute purchaser's right to reject the same later, if found deficient in terms of the this clause of the contract.

3) Warranty

- a) The bidder must supply all items with warranty as mentioned in respective technical specifications of Annexure-2 after the goods, or any portion thereof as the case may be, have been delivered to, installed and accepted at the final destination(s) indicated in the work order/bidding document. However, if delay of installation is more than a month's time due to the reasons ascribed to the bidder, the warranty shall start from the date of last successful installation of the items covered under the PO.
- b) At the time of goods delivery, the selected bidder shall submit a certificate/undertaking from all the respective OEMs mentioning the fact that the goods supplied are covered under comprehensive warranty & support for the prescribed period.
- c) The purchaser shall give a written notice to the selected bidder stating the nature of any defect together with all available evidence thereof, promptly following the discovery thereof. The purchaser shall afford all reasonable opportunity for the selected bidder to inspect such defects. Upon receipt of such notice, the selected bidder shall expeditiously cause to repair the defective goods or parts thereof or replace the defective goods or parts thereof with brand new genuine/ authentic ones having similar or higher specifications from the respective OEM, at no cost to the Purchaser. Any goods repaired or replaced by the selected bidder shall be delivered at the respective location without any additional costs to the purchaser.
- d) If having been notified, the selected bidder fails to remedy the defect within the period specified, the purchaser may proceed to take within a reasonable period such remedial action as may be necessary, in addition to other recourses available in terms and conditions of the contract and bidding document.
- e) During the warranty period, the bidder shall also be responsible to ensure adequate and timely availability of spare parts needed for repairing/replacement of the supplied goods.
- f) The warranty on supplied software media, if any, should be at least 90 days.

4) Patent Indemnity

- a) The supplier/ selected bidder shall, subject to the Purchaser's compliance with sub-clause (b) below, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of: -

- i. the installation of the Goods by the supplier/ selected bidder or the use of the Goods in the country where the Site is located; and
- ii. the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the supplier/ selected bidder, pursuant to the Contract.

- b) If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to above, the Purchaser shall promptly give the supplier/ selected bidder a notice thereof, and the supplier/ selected bidder may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- c) If the supplier/ selected bidder fails to notify the Purchaser within thirty (30) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- d) The Purchaser shall, at the supplier's/ selected bidder's request, afford all available assistance to the supplier/ selected bidder in conducting such proceedings or claim, and shall be reimbursed by the supplier/ selected bidder for all reasonable expenses incurred in so doing.
- e) The Purchaser shall indemnify and hold harmless the supplier/ selected bidder and its employees, officers, and Subcontractors (if any) from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the supplier/ selected bidder may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

Appendix-B

SPECIAL TERMS AND CONDITIONS OF TENDER & CONTRACT

1) Payment Terms and Schedule

As mentioned in Chapter 4, Clause 2, Project Activity, Deliverables, Timelines and payment terms.

2) Service Level Standards/ Requirements/ Agreement

The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the selected bidder to the tendering authority for the duration of this contract.

The tendering authority will regularly review the performance of the services being provided by the selected bidder and impose penalties if any deficiency is found in the services.

It is acknowledged that service levels may change as service needs evolves over the course of the contract. The present SLAs have been worked out on the basis of current expectations. Service levels between the purchaser and bidder can be revised in view of experience gained during the project period. The experience gained during this period will be used to fine tune the SLAs, including parameters, targets and penalties, if required. Any changes to the levels of services provided during the project period will be requested, documented and negotiated in good faith by both parties. Either party can request a change. Changes will be documented as an addendum to the contract.

Service Level:

a) For all items mentioned in Bill of Material

Sr. No.	Time to resolve complaint after lodging the complaint	Penalty (in Rs.) (Per quantity of item(s) for every 4 hours passed after expiry of 24 hours of lodging the complaint)
A. Pole Electric Cabling		
1.	Within 24 hours of lodging the complaint	No penalty
2.	> 24 hours of lodging the complaint	250/-
B. All Items other than Pole Electric Cabling.		
3.	Within 24 hours of lodging the complaint	No penalty
4.	> 24 hours of lodging the complaint	100/-

3) Change Requests/ Management

- a) An institutional mechanism will be set up for taking decisions regarding requests for changes. The Purchase Committee will set up a Change Control Committee with members from the procurement agency and the selected bidder. If it is unable to reach an agreement, the decision of the Purchase Committee will be final.
- b) COR may at any time, by a written order given to the bidder, make changes within the general scope of the Agreement in any one or more of the following: -
 - ✓ Designs, specifications, requirements which software or service to be provided under the Agreement are to be specifically developed and rendered for COR.
 - ✓ The method of deployment, shipping or packing.
 - ✓ Schedule for Installation Acceptance.
 - ✓ The place of delivery and/or the services to be provided by the bidder.
- c) The change request/ management procedure will follow the following steps: -
 - ✓ Identification and documentation of the need for the change - The information related to initiator, initiation date and details of change required and priority of the change will be documented by COR.
 - ✓ Analysis and evaluation of the Change Request - Impact of the change in terms of the estimated effort, changed schedule, cost and the items impacted will be analysed and documented by the bidder.
 - ✓ Approval or disapproval of the change request – COR will approve or disapprove the change requested including the additional payments for software development, quoted man-month rate shall be used for cost estimation, efforts of all technical resources- project manager, analyst, software developer, testing engineer, database architecture etc shall be taken into account for total man-month estimation to carry out the s/w development resulting from the change request. For all technical resources irrespective of their experience and specialisation, the quoted man-month rate shall be used. Efforts of support staff shall not be taken into consideration for this purpose.
 - ✓ Implementation of the change – The change will be implemented in accordance to the agreed cost, effort, and schedule by the selected bidder.
 - ✓ Verification of the change - The change will be verified by COR on implementation of the change request.
- d) All changes outside the scope of supplies agreed to herein which may have likely financial implications in terms of the overall cost/ time of the project shall be undertaken by SI only after securing the express consent of COR. In the event that the consent of COR is not received then the change will not be carried out.
- e) While approving any change request, if required, COR may ask the bidder to deploy the required resources on-site.
- f) If any such change outside the scope of supplies agreed to herein causes an increase or decrease in cost of, or the time required for, firm's performance of any provisions under the Agreement, equitable adjustments shall be made in the Agreement Price or Delivery Schedule, or both, and the Agreement shall accordingly be amended. Any claims by firm for adjustment under this must be asserted within 30 (thirty) days from the date of SI receiving the COR change order which shall not be unreasonably withheld or delayed.

4) Price Fall Clause:

If the rate contract holder quotes / reduces its price to render similar goods, works or services at a price lower than the rate contract price to anyone in the State at any time

during the currency of the rate contract, the rate contract price shall be automatically reduced with effect from the date of reducing or quoting lower price, for all delivery of the subject matter of procurement under that rate contract and the rate contract shall be amended accordingly. The firms holding parallel rate contracts shall also be given opportunity to reduce their price by notifying them the reduced price giving them fifteen days time to intimate their acceptance to the revised price. Similarly, if a parallel rate contract holding firm reduces its price during currency of the rate contract, its reduced price shall be conveyed to other parallel rate contract holding firms and the original rate contract holding firm for corresponding reduction in their prices. If any rate contract holding firm does not agree to the reduced price, further transaction with it, shall not be conducted.

5) Approvals for work to be undertaken as per scope of work

Bidder has to coordinate and liaison with concerning department and local authorities for approvals and the fees will be paid by COR as per actual on monthly basis. The following is indicative list of approvals and clearances required for executing the project and not limited to:

- i. Installation of camera
- ii. Providing electrical connection to Camera(s)

6) Non-Compliance of Item

If the successful bidder fails to comply the technical specification as per RFP, after bid finalization then his Rate contract for that item may be terminated and work may be assigned to L2 bidder or vice versa.

Annexure-1: BILL OF MATERIAL (BoM)

Sl. No.	Item Name	Unit	Indicative Quantity (No.)	MAF Required (Yes/No.)
1.	Full HD IP Dome Camera with IR	Nos.	2500	Yes
2.	Full HD IP Bullet Camera with IR	Nos.	1500	Yes
3.	Full HD IP Box Camera	Nos.	7000	Yes
4.	Full HD IP PTZ Camera with IR	Nos.	6000	Yes
5.	Rugged Tablet-Windows-7 inch alongwith S/w license	Nos	500	Yes
6.	1KVA UPS	Nos	1000	Yes
7.	NVR (POE) with 4 TB HDD (4 Port)	Nos	1000	Yes
8.	Access Switch(4port)	Nos	1000	Yes
9.	12 U Wall Mount indoor Network Rack	Nos	100	Yes
10.	9 U Wall Mount indoor Network Rack	Nos	800	Yes
11.	Cat 6 Ethernet cable in casing and conduiting (with laying)	Met ers	150000	Yes
12.	Information Outlets	Nos	1000	Yes
13.	LIU/JC Box with LC connector	Nos	100	Yes
14.	24 Port Patch Panel	Nos	100	Yes
15.	Cat 6 Patch Chord (1 meter)	Nos	2000	Yes
16.	2 meter fiber patch chords (LC-LC/SC-LC)	Nos	200	Yes
17.	6 core ADSS OFC (with laying including splice and making termination at ends in casing and conduit)	Met ers	15000	Yes
18.	6 core Armoured OFC (with laying including splice and making termination at ends in casing and conduit) Underground	Met ers	6000	Yes
19.	Electric Point Wiring	Met ers	150000	Yes

20.	Electric armoured cable with laying and termination end	Meters	150000	Yes
21.	8 Meter Pole erection with foundation & earthing	Nos	1000	Yes
22.	Pole shifting with Foundation & earthing	Nos	200	No
Total in figures				

ANNEXURE-2: TECHNICAL SPECIFICATIONS

Note: All the specifications below are minimum specifications and higher specifications shall be used wherever necessary/ required. Deviation on higher side shall only be considered and no extra weightage shall be awarded for such deviations.

Item No. 1: Full HD IP Dome Camera with IR

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	Make			
2.	Model			
3.	Camera Type	Dome		
4.	Standard	ONVIF Profile S Compliant		
5.	Integration with existing VMS	SI has to ensure integration with existing VMS i.e. Nicevision Net 3.1 or higher Necessary SDK of camera for integration to be provided by SI		
6.	Certification	BIS, FCC, RoHS and CE/UL		
7.	Edge Storage	microSD/microSDHC/micro SDXC slot alongwith supporting memory card for min. 256 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD card based recordings to network storage.		
8.	Image Sensor	1/2.8"CMOS or better		
9.	Resolution	4MP (Min.2560 x 1440) at 25 FPS or better		

10.	Max. Mbps Constrained VBR	6		
11.	Compression	H.264, H.265		
12.	Streaming	Min. Triple compressed stream (Individually Configurable)		
13.	Audio	Full Duplex, Audio Input/ Output 1 Ch		
14.	Alarm	1 digital input, 1 Relay output		
15.	Audio Compression	G.726/G.711		
16.	Pre/Post Alarm buffer	Yes		
17.	ID/Password	Multi-level user ID/Password		
18.	Encryption	HTTP(SSL/TLS)/HTTPS		
19.	Video Authentication	For video authentication, classic watermarks/digital signature must be embedded in Video Stream along with name, time, date stamped which cannot be tampered		
20.	Physical Layer	10/100 base Tx Ethernet or better		
21.	Protocol	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPV4, IPv6,FTP, NTP,DHCP, RTP, SMTP, UDP, UPnP, ICMP, IGMP, SSL, QoS, 802.1x, DNS, DDNS,HTTPS		
22.	IP Support	Static/dynamic or both		
23.	Remote Administration	Remote configuration and status using web based tool		
24.	System Update	Remote system update over Network using web client		
25.	PC Client	PC application client with a channel recording feature support		

26.	Web Client	Viewer through HTTP(min.) System Configuration Setting / Streaming		
27.	Simultaneous Connection	3 users or more		
28.	Lens Type	3 mm or better		
29.	Dynamic Noise Reduction	3D		
30.	Auto Exposure	Automatic Level Control/Electronic Level Control		
31.	Illumination	Color: 0.3 lux, F1.6 or better B/W: 0.04 lux, F1.6 or better At 30 IRE Inbuilt IR (30 mtrs. or better)		
32.	Signal Process	Digital Signal Process		
33.	Motion Detection Zones/ privacy zones	3 or higher		
34.	Auto Gain Control	Yes		
35.	Back Light Compensation	Yes		
36.	Electronic Shutter	1/3s to 1/10000s or better		
37.	White Balance	Yes		
38.	Wide Dynamic Range	min 120 db(Sensor based)		
39.	Day and Night	Yes (as per minimum illumination)		
40.	Operating Temperature	0 °C to 60 °C Humidity 20–80% RH (non-condensing)		

41.	Power Source	Suitable adaptor shall be supplied to make the equipment work on 230V $\pm 10\%$, 50Hz and Power over Ethernet (POE 802.3af/at)		
42.	Internet protocol Support	IPv4 and IPv6		
43.	Housing	Poly Carbonate/ Aluminium Construction with IP-67 Including pole mount/wall mount accessories , Power and data cables		
44.	Anti-Vandalism rating	IK10		
45.	Edge based video content Analytics	Video motion detection and Active tampering alarm		
46.	Accessories	All required accessories at site for installation of camera to be provided like Pole Mount, Corner brackets, Connector kit, screws etc.		
47.	Mac Address	Mac Address shall be in the name of OEM		
48.	Warranty Maintenance Support	& 5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 2: Full HD IP Bullet Camera with IR

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	Make			
2.	Model			
3.	Camera Type	Bullet		

4.	Standard	ONVIF Profile S Compliant		
5.	Integration with existing VMS	SI has to ensure integration with existing VMS i.e. Nicevision Net 3.1 or higher Necessary SDK of camera for integration to be provided by SI		
6.	Certification	BIS, FCC, RoHS and CE/UL		
7.	Edge Storage	microSD/microSDHC/micro SDXC slot alongwith supporting memory card for min. 256 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD card based recordings to network storage.		
8.	Image Sensor	1/2.8" CMOS or better		
9.	Resolution	4MP (Min.2560 x 1440) at 25 FPS or better		
10.	Max. Mbps Constrained VBR	6		
11.	Compression	H.264,H.265		
12.	Streaming	Min. Triple compressed stream (Individually Configurable)		
13.	Audio	Full Duplex, Audio Input/ Output 1 Ch		
14.	Alarm	1 digital input, 1 Relay output		
15.	Audio Compression	G.726/G.711		
16.	Pre/Post Alarm buffer	Yes		
17.	ID/Password	Multi-level user ID/Password		

18.	Encryption	HTTP(SSL/TLS)/HTTPS		
19.	Video Authentication	For video authentication, classic watermarks/digital signature must be embedded in Video Stream along with name, time, date stamped which cannot be tampered		
20.	Physical Layer	10/100 base Tx Ethernet		
21.	Protocol	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPV4, IPV6,FTP, NTP,DHCP, RTP, SMTP, UDP, UPnP, ICMP, IGMP, SSL, QoS, 802.1x, DNS, DDNS, HTTPS		
22.	IP Support	Static/dynamic or both		
23.	Remote Administration	Remote configuration and status using web based tool		
24.	System Update	Remote system update over Network using web client		
25.	PC Client	PC application client with a channel recording feature support		
26.	Web Client	Viewer through HTTP(min.) System Configuration Setting / Streaming		
27.	Simultaneous Connection	3 users or more		
28.	Lens Type	3 – 9 or better, F1.6 motorised autofocus and varifocal or better		
29.	Dynamic Noise Reduction	3D		
30.	Auto Exposure	Automatic Level Control/Electronic Level Control		

31.	Illumination	Color: 0.3 lux, F1.6 or better B/W: 0.04 lux, F1.6 or better At 50 IRE Inbuilt IR (50 mtrs. or better)		
32.	Signal Process	Digital Signal Process		
33.	Motion Detection Zones/privacy zones	3 or higher		
34.	Auto Gain Control	Yes		
35.	Back Light Compensation	Yes		
36.	Electronic Shutter	1/3s to 1/10000s or better		
37.	White Balance	Yes		
38.	Wide Dynamic Range	min 120 db (Sensor based)		
39.	High Light Compensation	Yes		
40.	Day and Night	Yes (as per minimum illumination)		
41.	Operating Temperature	0 °C to 60°C Humidity 20–80% RH (non-condensing)		
42.	Power Source	Suitable adaptor shall be supplied to make the equipment work on 230V \pm 10%, 50Hz and Power over Ethernet (POE 802.3af/at)		
43.	Internet protocol Support	IPv4 and IPv6		

44.	Housing	Poly Carbonate/ Aluminium Construction with IP-67 Including pole mount/wall mount accessories , Power and data cables Polycarbonate bird control spike		
45.	Anti-Vandalism rating	IK10		
46.	Edge based video content Analytics	Video motion detection and Active tampering alarm		
47.	Accessories	All required accessories at site for installation of camera to be provided like Pole Mount, Corner brackets, Connector kit, screws etc.		
48.	Warranty Maintenance Support	& 5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 3: Full HD IP Box Camera

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	Make			
2.	Model			
3.	Camera Type	Box		
4.	Standard	ONVIF Profile S Compliant		
5.	Integration with existing VMS	SI has to ensure integration with existing VMS i.e. Nice vision Net 3.1 or higher Necessary SDK of camera for integration to be provided by SI		
6.	Certification	BIS, FCC, RoHS and CE/UL		

7.	Edge Storage	microSD/microSDHC/micro SDXC slot alongwith supporting memory card for min. 256 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD card based recordings to network storage.		
8.	Image Sensor	1/2" CMOS or better		
9.	Resolution	4MP (Min.2560 x 1440) at 25 FPS or better		
10.	Max. Mbps Constrained VBR	6		
11.	Compression	H.264,H.265		
12.	Streaming	Min. Triple stream compressed (Individually Configurable)		
13.	Audio	Full Duplex, Audio Input/ Output 1 Ch		
14.	Alarm	1 digital input, 1 Relay output		
15.	Audio Compression	G.726/G.711		
16.	Pre/Post Alarm buffer	Yes		
17.	ID/Password	Multi-level user ID/Password		
18.	Encryption	HTTP(SSL/TLS)/HTTPS		
19.	Video Authentication	For video authentication, classic watermarks/digital signature must be embedded in Video Stream along with name, time, date stamped which cannot be tampered		
20.	Physical Layer	10/100 base Tx Ethernet		
21.	Protocol	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPV4, IPV6,FTP, NTP,DHCP, RTP, SMTP, UDP, UPnP, ICMP, IGMP, SSL, QoS, 802.1x, DNS, DDNS, HTTPS		
22.	IP Support	Static/dynamic or both		
23.	Remote Administration	Remote configuration and status using		

		web based tool		
24.	System Update	Remote system update over Network using web client		
25.	PC Client	PC application client with a channel recording feature support		
26.	Web Client	Viewer through HTTP(min.) System Configuration Setting / Streaming		
27.	Simultaneous Connection	5 users or more		
28.	Lens Type	10-40 mm or better, F1.6 or better, C/CS Mount, Varifocal, Autoiris and IR Corrected		
29.	Dynamic Noise Reduction	3D		
30.	Auto Exposure	Automatic Level Control/Electronic Level Control		
31.	Illumination	Color: 0.3 lux, F1.6 or better B/W: 0.04 lux, F1.6 or better		
32.	Signal Process	Digital Signal Process		
33.	Motion Detection n Zones/ privacy zones	3 or higher		
34.	Auto Gain Control	Yes		
35.	Back Light Compensation	Yes		
36.	Electronic Shutter	1/10000s to 1/3s or better		
37.	White Balance	Yes		
38.	Wide Dynamic Range	min 120 db (Sensor based)		
39.	High Light Compensation	Yes		
40.	Day and Night	Yes (as per minimum illumination)		
41.	Operating Temperature	0 °C to 60 °C Humidity 20–80% RH (non-condensing)		
42.	Power Source	Suitable adaptor shall be supplied to make the equipment work on 230V \pm 10%, 50Hz and Power over Ethernet (POE 802.3 af/at)		

43.	Internet protocol Support	IPv4 and IPv6		
44.	Housing Outdoor	<input type="checkbox"/> Poly Carbonate/ Aluminium Construction with IP-67 <ul style="list-style-type: none"> <input type="checkbox"/> Having sun-Shield in-built <input type="checkbox"/> Polycarbonate bird control spike <input type="checkbox"/> Including pole mount/wall mount accessories , Power and data cables <input type="checkbox"/> Anti-Vandalism rating -IK 10 <input type="checkbox"/> IR – 50 Mtr. 		
45.	Edge based video content Analytics	Video motion detection and Active tampering alarm		
46.	Accessories	All required accessories at site for installation of camera to be provided like Cat6 Patch Cord (7 Mtr.), Pole Mount, Corner brackets, Connector kit, screws etc.		
47.	Warranty Maintenance Support	& 5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 4: Full HD IP PTZ Camera with IR

S. No.	Features	Description	Compliance Product - 1 (Yes/No)	Compliance Product- 2 (if any) (Yes/No)
1.	Make			
2.	Model			
3.	Camera Type	PTZ		
4.	Standard	ONVIF Profile S Compliant		
5.	Integration with existing VMS	SI has to ensure integration with existing VMS i.e. Nice vision Net 3.1 or higher Necessary SDK of camera for integration to be provided by SI		
6.	Certification	BIS, FCC, RoHS and CE/UL		

7.	Edge Storage	microSD/microSDHC/micro SDXC slot alongwith supporting memory card for min. 256 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD card based recordings to network storage.		
8.	Image Sensor	1/2.8" CMOS or better		
9.	Resolution	4MP (Min.2560 x 1440) at 25 FPS or Better		
10.	Max. Mbps Constrained VBR	10		
11.	Compression	H.264,H.265		
12.	Streaming	Min. Triple compressed stream (Individually Configurable)		
13.	Audio	Full Duplex, Audio Input/ Output 1 Ch		
14.	Alarm	1 digital input, 1 Relay output		
15.	Audio Compression	G.726/G.711		
16.	Pre/Post Alarm buffer	Yes		
17.	ID/Password	Multi-level user ID/Password		
18.	Encryption	HTTP(SSL/TLS)/HTTPS		
19.	Video Authentication	For video authentication, classic watermarks/digital signature must be embedded in Video Stream along with name, time, date stamped which cannot be tampered		
20.	Physical Layer	10/100 base Tx Ethernet		
21.	Protocol	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPV4, IPV6,FTP, NTP,DHCP, RTP, SMTP, UDP, UPnP, ICMP, IGMP,SSL,QoS,802.1x, DNS, DDNS, HTTPS		
22.	IP Support	Static/dynamic or both		

23.	Remote Administration	Remote configuration and status using web based tool		
24.	System Update	Remote system update over Network using web client		
25.	PC Client	PC application client with a channel recording feature support		
26.	Web Client	Viewer through HTTP(min.) System Configuration Setting / Streaming		
27.	Simultaneous Connection	5 users or more		
28.	Lens Type	4.3–129 mm/4.5–135 mm/4.8–144 mm (x30), F1.6 or better motorised Varifocal, Autofocus, Autoiris		
29.	Dynamic Noise Reduction	3D		
30.	Auto Exposure	Automatic Level Control/Electronic Level Control		
31.	Intelligent Defog	Yes		
32.	Illumination	Color: 0.3 lux, F1.6 or better B/W: 0.04 lux, F1.6 or better Inbuilt IR (175 mtrs. or better)		
33.	Signal Process	Digital Signal Process		
34.	Motion Detection Zones/privacy zones	3 or higher		
35.	Auto Gain Control	Yes		
36.	Back Light Compensation	Yes		
37.	High Light Compensation	Yes		
38.	Electronic Shutter	1/10000s to 1 s or better		
39.	White Balance	Yes		
40.	Wide Dynamic Range	min 120 db (Sensor based)		
41.	Day and Night	Yes (as per minimum illumination)		
42.	Operating Temperature	0 °C to 60 °C Humidity 20–80% RH (non-condensing)		

43.	Power Source	Suitable adaptor shall be supplied to make the equipment work on 230V $\pm 10\%$, 50Hz and Power over Ethernet (POE 802.3 at)		
44.	Internet protocol Support	IPv4 and IPv6		
45.	Housing	Poly Carbonate/ Aluminium Construction with IP-67 Including pole mount/wall mount accessories , Power and data cables		
46.	Anti-Vandalism rating	IK10		
47.	Panning Range and Speed	0 deg to 360 deg, 0.2°/s–160°/s		
48.	Tilting Range and Speed	180°, 0.2°/s–120°/s		
49.	Presets	100 presets or higher		
50.	Edge based video content Analytics	Video motion detectio and Active tampering n alarm		
51.	Accessories	All required accessories at site for installation of camera to be provided like Cat6 Patch Cord (7 Mtr.), Pole Mount, Corner brackets, Connector kit, screws etc.		
52.	Warranty Maintenance Support	&5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 5: RuggedTablet-Windows-7inch along with s/w License

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	Make			
2.	Model			
3.	Item Type	Rugged Tablet		
4.	Integration with existing VM Sand Dial100	SI has to ensure integration with existing VMS i.e. Nice vision Net3.1or higher and Dial100 i.e. Intergraph		

5.	Compatibility	SI has to ensure integration with existing Dial 100 i.e. Intergraph (Mobile responder ver. 5.2.0)		
6.	Ruggedness Standards	MIL-STD810G & IP65 tested design		
7.	CPU	Intel®DualCoreProcessor,1.1GHzwith 4M BCacheor Higher		
8.	Operating System	Windows 10 pro and latest		
9.	Memory	Min.4GB RAM		
10.	Storage	Min.128GB internal storage required Expandable via Micro SD slot		
11.	Display	Min.7"touch display, Sun light readable with stylus pen		
12.	Screen Auto Rotate	Yes		
13.	Input	Soft Keyboard, Stylus Pen, Touch screen with multi touch		
14.	Display Resolution	1280x720or higher		
15.	Network Interface	Wireless 802.11 b/g/n or 802.11ac Bluetooth4.0 or higher		
16.	Internet protocol Support	IPv4andIPv6		
17.	Camera	Front-facing camera-Yes Min.5MP rear-facing camera with flash		
18.	Control Switch	1xPower on/off button		
19.	Speaker & Microphone	Integrated Speaker and microphone		
20.	Sensors	<ul style="list-style-type: none"> □ Ambient Light □ Digital Compass □ Gyro □ Acceleration 		
21.	I/O Ports	Min.1x USB2.0orhigher Min.1xMicroSD Slot Min.1xSIM/Micro SIM(4GLTEcompatible with bands available in India) Min. 1 x audio jack for Headphone/speaker Min.1xDC power		
22.	GPS antenna	Required		
23.	Battery Pack	Lithium-Ion battery of min.6800 mAH		

24.	Water proof and Dust proof	Water and dust resistance		
25.	Shock proof	<input type="checkbox"/> Resists drops from min. 4 feet <input type="checkbox"/> Shocks, vibrations, thermal shocks and temperature extremes <input type="checkbox"/> To be used in moving vehicles		
26.	Accessories	<input type="checkbox"/> Handle/shoulder strap with Pen <input type="checkbox"/> Screen Protector <input type="checkbox"/> Charging Adapter		
27.	Vehicle Dock	<input type="checkbox"/> Rugged Construction <input type="checkbox"/> OEM Certified <input type="checkbox"/> 2 USB and minimum 1 LAN Port <input type="checkbox"/> Car Charging Slot <input type="checkbox"/> OEM Certified DC Car Charger		
28.	Warranty Maintenance Support	5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 6: 1KVA UPS

S No.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make offered			
2	Model offered			
3	UPS Capacity in KVA	1 KVA (Line interactive)		
	Input			
4	Nominal input voltage	160-280 V (single phase)		
5	Input frequency	50 Hz +/- 3 Hz		
	Output			
6	Output power capacity (VA)	1000 VA		
7	Power factor	0.6		
8	Output power capacity (W)	600 W at 1 pf		
9	Nominal output voltage	230 V (single phase)		

10	Output voltage distortion	less than +/- 5% at full load		
11	Output frequency	47 to 53 Hz		
12	Crest factor	03:01		
13	Waveform type	Pure sine wave		
14	UPS Warranty	5 years		
	Batteries			
15	Battery type	Sealed maintenance free VRLA type provided with battery stand		
16	Battery Make	Exide/ Amar Raja/ Panasonic/ Numeric/ HBL/ Amron/ Okaya		
17	VAH Required in each battery set	Min. 1600		
18	Battery Warranty	5 Years Comprehensive OEM Warranty		
19	Battery charging time	10 to 12 Hrs.		
20	Charger capacity	Minimum 10% of battery AH		
21	Overall Efficiency	80%		
22	Cold Start capability	Required		
23	Generator compatibility	To provide Clean uninterrupted power when Generator is used.		
24	LED /LCD display	A) Online B) On Battery		
25	Alarms	A) On battery B) low battery		
	Environmental			
	Operating Temperature	0 to 40 degree Celsius		
26	Humidity	95% non-Condensing at 40deg.C		
27	Approvals	CE/ EN 50091-1/ EN 50091-2 compliant UPS		
	Protections			
28	Protection	The unit should trip and protect the UPS beyond upper range of nominal input voltage (Over Voltage Protection)		

29	Make	Product should be Make in India		
30	Warranty & Maintenance Support	5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 7: NVR (POE) with 4 TB HDD (4 Port)

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	Make			
2.	Model			
3.	Integration with Existing VMS	SI has to ensure integration with existing VMS i.e. NicevisionNet3.1 or higher		
4.	VIDEO			
5.	Video Inputs	4 IP Cameras with min.1080p		
6.	Camera Support	ONVIF Compliant		
7.	Video Output	1HDMI,1VGAOUT		
8.	Display Resolution	Min.1920×1080,1600x1200,1280×720		
9.	Display Speed	4 channel real-time live		
10.	Digital Zoom	Yes		
11.	RECORDING			
12.	Video Compression	H.264,H.264+/,H.265		
13.	Throughput	Incoming: Min.80Mbps Outgoing:Min.80Mbps		
14.	Recording Resolutions	1920x1080,1280x720		
15.	Trigger events	Alarmin, Audio detection,- Motion Detection, Trip-zone, Tampering, Video loss		
16.	PLAYBACK			
17.	Performance	Upto 4 channel synchronous playback		
18.	Digital Zoom	Yes		
19.	STORAGE			
20.	Internal	SATAHDDx2(supplied with 4TBHDD)		
21.	NETWORK			

22.	Connection	4 xRJ-45independent100Mbps PoE interface		
23.	Internet Support	protocolIPv4andIPv6		
24.	Remote Data Export	Clip Copy, AVI, JPG		
25.	AUDIO			
26.	Audio Communication	Two way		
27.	Audio In/out	Local(NVR):1RCA/ 1RCA		
28.	Audio Compression Support	Yes		
29.	PORTS			
30.	Alarm In	Local(NVR):4TTL		
31.	Alarm out	Local(NVR): 1Relayout/IP camera		
32.	USB	2 Ports (Min.USB2.0/3.0)		
33.	GENERAL			
34.	Certification	FCC,UL/CE,BIS		
35.	Chassis	Rack mountable		
36.	Warranty & Maintenance Support	5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 8: Access Switch (4 port)

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	Make			
2.	Model			
3.	Type	Managed Outdoor Industrial grade switch		
4.	Total Ports	4 Ethernet 10/100/1000 PoE ports and 2 Fiber port up links (Populated SFPs)		
5.	Ring Support	Switch Should support the Ring connectivity in uplink port (IEEE802.17/Equivalent), LLDP/Equivalent, UDLD/ Equivalent		
6.	PoE Standard	IEEE802.3afoneach10/100/1000 ports or better		

7.	PoE Power per port	Sufficient to operate the CCTV cameras connected		
8.	Protocols	<ul style="list-style-type: none"> □ Support 802.1Q VLAN □ HTTPS/SSH □ DHCP support, DHCP Snooping □ SNMP Management □ IGMP Support □ IPv6 protocol support 		
9.	Multi Cast Support	MLD snooping(v1 and v2) and IGMP(v2 and v3)		
10.	Topology Selection	Bidder has to decide switch model type, be it L2 or L3 as per their design principle. However, bidder has to make sure that spanning tree related loops are prevented at each and every layer.		
11.	Security Features	<ul style="list-style-type: none"> □ Dynamic ARP Inspection □ IP Source Guard □ ARP Snooping/Spoofing □ Access Control List 		
12.	Remote Management	Shall Support remote management through SNMP traps		
13.	Access Control	<ul style="list-style-type: none"> □ Support port security □ Support 802.1x (Port based network access control). □ Support for MAC filtering. 		
14.	Industrial Rating	IP 30 and NEMA TS-2		
15.	EN/IEC Standard Ratings	EN/IEC 60068-2-27, ESDEN/IEC 61000-4-2, EN/IEC 61000-4-3, EN/IEC 61000-4-4, EN/IEC 61000-4-6, EN/IEC 61000-4-8, EN/IEC 60068-2-6, RoHS and EMC as FCC Part 15, Class A.		
16.	Surge Protection	Yes, EN/IEC 61000-4-5		
17.	Operating Temperature	-10 to 70 degrees Celsius or better		
18.	Certification to be provided by bidder	UL/CE and NEMA TS-2		
19.	Cables	All necessary data and power cable and industrial grade power adapter to be provided		

20.	Warranty & Maintenance Support	5 Years Comprehensive onsite OEM Warranty & Maintenance support		
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Item No. 9: 12 U Wall Mount indoor Network Rack

S No.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	Height	12U usable space for 19" equipment's		
4	Type	Single Section Wall mount rack		
5	Wire managers	One horizontal		
6	Power distribution	(4 points – 5Amp sockets and 2 points – 15Amps sockets) power distribution Indian round pin		
7	Door	Perforated metallic/glass door in front with lock		
8	Fan trays	With 2 fans		
9	Metal	Aluminum/Steel		
10	Side panels	Detachable/ non-detachable side panels		
11	Cable Manager	1U Cable Manager		
12	Width x Depth	550mm * 600 mm		
13	Certifications	Rack should be from ISO 9001:2008 & ISO14001:2004 & 18001:2007 Certified Company & UL Listed		
14	Standards	Rack should Conform to DIN 41494 or Equivalent EIA /ISO / EN Standard.		
15	Make	Product should be Make in India		
16	Warranty & Maintenance Support	5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 10 : 9 U Wall Mount indoor Network Rack

S No.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	Height	9U usable space for 19" equipment's		
4	Type	Single Section Wall mount rack		
5	Wire managers	One horizontal		
6	Power distribution	(4 points – 5Amp sockets and 2 points – 15Amps sockets) power distribution Indian round pin		
7	Door	Perforated metallic/glass door in front with lock		
8	Fan trays	With 2 fans		
9	Metal	Aluminum/Steel		
10	Side panels	Detachable/ non-detachable side panels		
11	Cable Manager	1U Cable Manager		
12	Width x Depth	550mm * 600 mm		
13	Certifications	Rack should be from ISO 9001:2008 & ISO14001:2004 & 18001:2007 Certified Company & UL Listed		
14	Standards	Rack should Conform to DIN 41494 or Equivalent EIA / ISO / EN Standard.		
15	Make	Product should be Make in India		
16	Warranty & Maintenance Support	5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 11: Cat 6 Ethernet cable in casing and conducting (with laying)

SNo.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			

3	Features	Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2: (UL certificate should be submitted for CM/CMR rating) 23 AWG solid bare copper conductor		
4		Polyethylene insulation/LSZH, CM/CMR rated jacket as per UL 1666 or IEC 60332-3		
5		Cross- member/ fluted member pair separator, ETL or 3P tested for TIA/EIA-568C.2, 3P, (ETL report should be submitted)		
6		-20 Deg. C to +60 Deg. C Operating temperature, Frequency tested up to Minimum 250 MHz		
7		Box of 305/500 meters Packing, 45ns MAX. Delay Skew, 100 Ohms + /- 15 ohms for 1 to 250 MHz		
8		Impedance, Pair- to- pair and PS NEXT, ELFEXT and PSELFEXT, Return Loss, ACR and PS ACR Performance characteristics to be provided		
9		Attenuation - 32.8MAX. At (dB/100m) 250MHz		
10	ISI Mark PVC 10 mm Conduits (in Mtr.)	PVC conduit/ casing 10 mm ISI mark including all accessories		
11	Make	Product should be Make in India		

12	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		
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Item No. 12: Information Outlets

SNo.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	I/O with Surface Mount Box Features	Should meet for exceed the TIA/EIA-568-C.2 Component Compliant (1Gigabit) standard		
4		Surface mount box with single RJ45 socket to terminate UTP CAT 6 Cable		
5		Accessories Strain relief and bend-limiting boot for cable , Approval UL or ETL or 3P		
6		Housing Polyphenylene oxide, 94V-0 rated Wiring blocks Polycarbonate, 94V-0 rated		
7		Jack contacts : Beryllium copper/phosphor bronze with thick gold and minimum thick nickel under plate, Performance Characteristics Attenuation, NEXT, PS NEXT, FEXT and Return Loss, IDC Contact: Phosphor bronze 50micron" gold plated contact surface		
8		Provision for protection against dust		
9		ROHS Compliant , 3rd party from bodies like ETL verified (ETL report should be submitted)		
10		Single Gang square plate, 86 mmX 86mm or higher		
11		1-port with shutter , High Impact Plastic Body ABS material		

12	Faceplate Features	Write on labels– supplied with plate		
13		Screw hole covers – to be supplied with plate		
14		Plug in Icons – Icon tree – to be supplied with plate		
15		Provisions for labeling icons and strips		
16	Make	Product should be Make in India		
17	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 13: LIU/JC Box with LC connector

S No	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	Features	minimum 6 port duplex connector Fibre management rack mount/outdoor enclosures loaded with required Adapters, adapter plates, pigtails, splice trays & labels		
4		Height 1 U (Rack/Wall mountable)		
		Cable Management rings: Management rings within the system to accommodate excess fibre cordage behind the through adapters and maintain fibre bend radius		
5		Drawer/Sliding Style: The LIU must be of Drawer/ Sliding style for easy maintenance and troubleshooting		
6	Make	Product should be Make in India		

7	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		
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Item No. 14: 24 Port Patch Panel

SNo.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	Features	Should conform TIA / EIA568-C.2 to Component Compliant		
4		Should terminate 8 UTP CAT 6 (4 pair) Cables at 110 type wiring block at the rear end and RJ45 jack on the front panel		
5		Have port identification numbers on the front of the panel.		
		Ports should be with individual dust cover & individually replaceable		
7		19" rack mountable		
8		Should confirm to EIA/TIA wiring Pattern		
9		Should have labeling strips for identification		
10		Should have integral cable management shelf		
11		The modules should be UL94 VO rated		
12		Modules should be 110 IDC Termination 180 or 90 or 45 degree Punch, allowing wires between 22 – 26 AWG sizes		

13		Cable Guide way or support bar to guide the cable on the rear side		
14		Jack Panel should be RoHS Complaint		
15	Make	Product should be Make in India		
16	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 15: Cat 6 Patch Chord (1 meter)

SNo.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	Features	Should confirm / comply or exceed the ISO/IEC 11801:2002, TIA-568-C.2 Cat 6 for physical & Electrical specifications / standards		
		4 Pair 24 AWG Copper Cable with integral cross member pair, transparent slim line clear anti- snag slip on boots and factory moulded RJ-45 plugs at both end LSZH sheath.		
5		Slim line transparent snag-less, boot to maintain bend radius, Tensile strength 50 Newton		
6		Plug Housing Clear polycarbonate 94V-0 rate		
7		Terminals Phosphor Bronze with gold plating , 50 micron" gold over nickel		
8		Load bar polycarbonate, Jacket FRPVC		
9		Insulation Flame Retardant Polyethylene, End point connector Factory crimp standard connector		

10		Approvals UL (UL certificate should be submitted), ETL or 3P certificates. Material ROHS compliant (ETL report should be submitted)		
11	Make	Product should be Make in India		
12	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 16: 2 meter fiber patch chords (LC-LC/SC-LC)

SN o.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	Features	All optical fiber patch leads shall comprise of Single-mode 9/125µm fiber OS2		
4		Jacket should be LSZH		
		Connector: Zirconia ceramic ferrule		
5		Cable: 9/125, OS2 Strength member: Aramid Yarn		
6	Make	Product should be Make in India		
7	Connector Type	SC -LC/SC-SC/LC-LC (PC Type) as per site requirement.		
8	Warranty Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 17: 6 core ADSS OFC (with laying including splice and making termination at ends in casing and conduit)

SN o.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			

2	Model Offered			
3	Features	Compliance to ADSS OFC cable TEC/GR/TX/OFC -022/02/ March 17 with latest amendments.		
	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 18: 6 core Armoured OFC (with laying including splice and making termination at ends in casing and conduit) Underground

SN o.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1	Make Offered			
2	Model Offered			
3	Features	Compliance to OFC cable TEC/GR/TX/OFC - 20/01/ March 2011 with latest amendments.		
		<p>a. The Optical Fibre Cable shall be laid through PLB HDPE Ducts buried at a nominal depth of 165 cms. Under compelling conditions/ genuine circumstances due to site constraints/ soil conditions, relaxation may be granted by the GoR/RISL official for excavation of trench to a depth lesser than 165 cm, however depth less than 60 cm may be permitted in exceptional cases. In such case, additional suitable protection as defined in the document shall be provided. For all cases of lesser depth, bidder must take prior written permission from DoIT&C/RISL officials.</p> <p>b. Protection by R.C.C. Pipes/GI pipes and/or concreting/</p>		

		chambering has to be provided to cable wherever the depth is less than 165 cms.		
5	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 19: Electric Point Wiring

SNo.	Particulars	Minimum Specifications	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	Electric Point Wiring	Electric Point Wiring with 2x4 sq mm + 1x1.5 sq mm frls copper wire with one 5/15 Amp Socket controlled by single 16/25 Amp. Switch (with required conduits and cables) for Rack/NVR. (Approximately one power socket per 50 meters required. However, requisite no of power socket will provided without any additional cost to purchaser) All Required material should be ISI marked		
2.	Warranty & Maintenance Support	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 20: Electric armoured cable with laying and termination end

S. No.	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. Trench: Open trench / Trench excavation in C.C. flooring or Tar road as per site requirement		
2.	Termination: Supplying and making end termination with heavy duty single compression brass gland SIBG type, heavy duty Copper lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.		
3.	4 Sq.mm 3 Core armoured cable		
4.	5 Years Comprehensive onsite Warranty & Maintenance support		

Item No. 21: 8 Meter Pole erection with foundation & earthing

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.		Make:		
2.		Model:		
3.		Pole shall have options to host and install security cameras, sensors and detectors.		
4.		Pole shall be able to host at least 4 cameras/ sensors on top having a total weight up to maximum 30Kg.		
5.		Pole shall be able to host solar panel (vertically mounted) having total weight maximum of 90Kg.		

6.		Designed in accordance with ISS publication: Indian Standard specification For Structure Support Highway Signs, Luminaries and Traffic signals.		
7.		Suitable size Outdoor Junction Box shall be provided for electric meter to be installed at pole		
8.		AC to DC converter shall be provided with pole		
9.		Power sockets(5/15A) as per requirement, subject to minimum of two sockets.		
10.		Suitable size earth termination shall be provided to connect with the proposed earth pit. Pipe earthing of each pole as per IS Standard. Pipe Earthing as per IS:3043 with perforated 3.0 Mtr. Long, 40 mm dia. ' B 'class G.I. Pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300 mm and embodying the pipe complete with alternate layers salt and coke/charcoal, testing of earth resistance as required. The Pipe earth electrode should be connected to pole mounting the required camera with 8 SWGGI wire.		
11.		Pole shall have Camouflaged Junction Box with locking arrangement		
12.		Supply and erection of GI Octagonal of following length and dimension as per table given below with base plate on the cement concrete foundation of M-20 grade (1:1.5:3) with the help of anchor bolts of grade 6.8 (IS: 1367PIII).		
		Top Dia (In mm)	70	
		Bottom Dia. (In mm)	135	
		Sheet Thickness (In mm)	3	
		Base Plate	225x225x1	
		Foundation Bolt Size No. x Dia (In mm)	4x20	
		PCD in mm	210	
		Bolt Length (In mm)	750	
		Foundation Size in mm	450x450x1	550
13.		The pole shall have a weather proof flush door and		

		locking arrangements.		
14.		The complete work shall be supervised and certified by the manufacturers for satisfactory supply, erection, testing and commissioning.		
15.		Octagonal MS Poles made of S-355JO grade steel sheet , folded length wise to obtained Octagonal shape, having single longitudinal seam weld and hot dipped galvanised internally & externally in accordance with IS2629and ISO1461		
16.		Supply, Erection and Fixing of hot dipped galvanised Over hang (48.3X 3.25mm)with cap (400x 88.9/114.3x 3.25mm)over the existing poles Options: <input type="checkbox"/> Single Arm Over hang <input type="checkbox"/> Double Arm Over hang		
17.		Warranty: 5 Years Comprehensive onsite OEM Warranty & Maintenance support		

Item No. 22: Pole shifting with Foundation & earthing

S. No.	Features	Description	Compliance Product -1 (Yes/No)	Compliance Product-2 (if any) (Yes/No)
1.		Shifting of existing to another location and erection of pole with proper foundation & earthing as per specification/standard mentioned in item no. 46: New Pole erection with foundation & earthing.		
2.		Warranty: 5 Years Comprehensive onsite Warranty & Maintenance support		

Note: All the supplied Hardware/ Software should be Interoperable, IPv6 ready and in compliance with the policies/ guidelines issued by DIT, GoI in this regard. Also, the bidder is to quote/ propose only one make/ model against the respective item. The selected bidder shall have to install the equipment at site with required accessories/ cables/ screws etc. required for installation.

ANNEXURE-4: CERTIFICATE OF CONFORMITY/ NO DEVIATION

{to be filled by the bidder}

To,

{Procuring Entity},

CERTIFICATE

This is to certify that, the specifications of Hardware & Software which I/ We have mentioned in the Technical bid, and which I/ We shall supply if I/ We am/ are awarded with the work, are in conformity with the minimum specifications of the bidding document and that there are no deviations of any kind from the requirement specifications.

Also, I/ we have thoroughly read the bidding document and by signing this certificate, we hereby submit our token of unconditional acceptance to all the terms & conditions of the bidding document without any deviations.

I/ We also certify that the price I/ we have quoted is inclusive of all the cost factors involved in the end-to- end implementation and execution of the project, to meet the desired Standards set out in the bidding Document.

Thanking you,

Name of the Bidder: -

Authorised Signatory: -

Seal of the Organization: -

Date:_____

Place:

ANNEXURE-5: MANUFACTURER'S AUTHORIZATION FORM (MAF)

{to be filled by the OEMs}

(Indicative Format)

To,

{Procuring Entity},

_____,'

Subject: Issue of the Manufacturer's Authorisation Form

(MAF) Reference: NIB/ RFP Ref. No.

_____ dated _____

Sir,

We {name and address of the OEM} who are established and reputed original equipment manufacturers (OEMs) having factories at {addresses of manufacturing location} do hereby authorize

{M/s _____} who is our {Distributor/ Channel Partner/ Retailer/ Others

-
<please specify> to bid, negotiate and conclude the contract with you against the aforementioned reference for the following Hardware/ Software manufactured by us: -

{OEM will mention the details of all the proposed product(s) with their make/ model.}

- A. We hereby undertake that all the components/parts/assembly/ software used in the offered Hardware/ Software, as mentioned above, are not complying to GB28181 Standards.

We undertake to provide OEM Warranty for the offered Hardware/ Software, as mentioned above, for Five Years.

We hereby confirm that the offered Hardware/ Software, as mentioned above, is complying to the respective technical specification mentioned in RFP.

We hereby confirm that the offered Hardware/ Software is not likely to be declared as End-of- Sale within next six months from the date of bid submission.

We hereby confirm that the offered Hardware/ Software is not likely to be declared as End-of- Service/ Support within next three years from the date of bid submission.

- B. We have read the Rule 13 of the Rajasthan Transparency in Public (RTTP) Rules, 2013 and Government of Rajasthan Notification No. F.2(1)FD/G&T-SPFC/2017 dated 01.01.2021, 15.01.2021 and 30.03.2021 regarding prior registration with Industries department for bidders with beneficial ownership from countries sharing land border with India, for participation in any public procurement in the State.

*I certify that this bidder/OEM {Name and address of the bidder} is not from such a country which shares land border with India or with beneficial ownership from such country.

OR

*I certify that this bidder/OEM {Name and address of the bidder} from such a country which shares land border with India or with beneficial ownership from such country, has been registered with the Competent Authority. Evidence of valid registration by the Competent Authority has been attached herewith.

I/We hereby certify that this bidder/OEM fulfils all requirements in this regard and is eligible to be considered.

Yours faithfully,

For and on behalf of M/s (Name of the manufacturer)

(Authorized Signatory)

Name, Designation & Contact No.:

Address: _____

Seal:

ANNEXURE-6: UNDERTAKING ON AUTHENTICITY OF ITEMS

{to be filled by the bidder On Rs. 100/- Non-judicial stamp paper}

To,
{Procuring Entity},

Reference: NIB No. : _____ Dated: _____

This has reference to the items being supplied/quoted to you vide bid ref. no. _____ dated
_____.

We hereby undertake that all the components/parts/assembly/ software used in the equipment shall be genuine, original and new components /parts/assembly/software from respective OEMs of the products and that no refurbished/duplicate/ second hand components/ parts/ assembly/ software are being used or shall be used. In respect of licensed operating system, we undertake that the same shall be supplied along with the authorized license certificate with our name/logo. Also, that it shall be sourced from the authorized source for use in India.

We hereby undertake that all the components/parts/assembly/ software used in the equipment are not complying to GB28181 Standards.

In case, we are found not complying with above at the time of delivery or during installation, for the equipment already billed, we agree to take back the equipment already supplied at our cost and return any amount paid to us by you in this regard and that you will have the right to forfeit our Bid Security/ SD/ PSD for this bid or debar/ black list us or take suitable action against us.

Authorized Signatory Name:

Designation:

Annexure-7

Non-Disclosure Agreement (NDA) Format

NON-DISCLOSURE AGREEMENT

This Non-Disclosure Agreement (this "Agreement") is made and entered into on this ____ day of ___, 2021 (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 unauthorised 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

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
 - (i) 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 contract or 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

Name:

RailTel Corporation of
India Limited:

By

—

Name:

ANNEXURE-8: COMPONENTS OFFERED –BOM{to be filled by the bidder}

Please fill the following BOM for all the offered components

S. No.	Item No.	Item Name	Make	Model	Quantity	MAF Submitted (Yes/No)	OEM Details (Name, Address, E- Mail, Mobile Nos.)
1.	{Item No. xx}	{Item Name. xx}					
2.	{Item No. xx}	{Item Name. xx}					
3.	{Item No. xx}	{Item Name. xx}					
4.	{Item No. xx}	{Item Name. xx}					
.....					

** Please attach Technical specifications compliance sheet (on Bidder's letter head only) and provide reference number in this column. (Deviations, if any, should be appropriately mentioned & highlighted in the compliance/ deviation column of the respective table as provided above in the Annexure-2: Technical Specifications)

ANNEXURE-9: FINANCIAL BID COVER LETTER & FORMAT COVER LETTER

{to be submitted by the bidder on his Letter head}

To,

{Procuring Entity},

Reference: NIB No. : _____ Dated: _____

Dear Sir,

We, the undersigned bidder, Having read & examined in detail, the Bidding Document, the receipt of which is hereby duly acknowledged, I/ we, the undersigned, offer to supply/ work as mentioned in the Scope of the work, Bill of Material, Technical specifications, Service Level Standards & in conformity with the said bidding document for the same.

I / We undertake that the prices are in conformity with the specifications prescribed. The quote/ price are inclusive of all cost likely to be incurred for executing this work. The prices are inclusive of all type of govt. taxes/duties as mentioned in the financial bid (BoQ).

I / We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the schedule of Requirements.

I/ We hereby declare that in case the contract is awarded to us, we shall submit the contract security deposit/performance guarantee as prescribed in the bidding document.

I / We agree to abide by this bid for a period of ___days after the last date fixed for bid submission and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

I/ We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

I/ We hereby agree that the rate quoted by us for each item mentioned in the tender shall remain valid for purchase by COR for a period of one year and may be extended by 3 months on satisfactory services on same terms and conditions subject to price fall clause.

We understand that you are not bound to accept the lowest or any bid you may receive.

We agree to all the terms & conditions as mentioned in the bidding document and submit that we have not submitted any deviations in this regard.

Date:

Authorized

Signatory Name:

Designation:

Financial Bid Format(Indicative)

{To be submitted by the bidder only in BoQ format (.XLS) available at eProc portal}

Sl. No.	Item Description (As per specifications mentioned at BoM Annexure-2 of RFP)	Quantity	Units	Base Unit Cost in INR (incl. all incidental charges and all Taxes but excl. GST)	GST in INR	Amount in INR (including all taxes) per Unit	Total Cost in INR
1	2	3	4	5	6	7=5+6	8=3*7
1.	Full HD IP Dome Camera with IR	Nos.	2500				
2.	Full HD IP Bullet Camera with IR	Nos.	1500				
3.	Full HD IP Box Camera	Nos.	7000				
4.	Full HD IP PTZ Camera with IR	Nos.	6000				
5.	Rugged Tablet- Windows-7 inch alongwith S/w license	Nos.	500				
6.	1KVA UPS	Nos.	1000				
7.	NVR (POE) with 4 TB HDD (4 Port)	Nos.	1000				
8.	Access Switch(4port)	Nos.	1000				
9.	12 U Wall Mount indoor Network Rack	Nos.	100				
10.	9 U Wall Mount indoor Network Rack	Nos.	800				
11.	Cat 6 Ethernet cable in casing and conduiting (with laying)	Meters	150000				
12.	Information Outlets	Nos.	1000				
13.	LIU/JC Box with LC connector	Nos.	100				
14.	24 Port Patch Panel	Nos.	100				

15.	Cat 6 Patch Chord (1 meter)	Nos.	2000				
16.	2 meter fiber patch chords (LC-LC/SC-LC)	Nos.	200				
17.	6 core ADSS OFC (with laying including splice and making termination at ends in casing and conduit)	Meters	15000				
18.	6 core Armoured OFC (with laying including splice and making termination at ends in casing and conduit) Underground	Meters	6000				
19.	Electric Point Wiring	Meters	150000				
20.	Electric armoured cable with laying and termination end	Meters	150000				
21.	8 Meter Pole erection with foundation & earthing	Nos.	1000				
22.	Pole shifting with Foundation & earthing	Nos.	200				
Total Figures in							

CERTIFICATE: MALICIOUS CODE

(To be rendered on the Company Letter head)

1. This is to certify that the Hardware and the Software being offered, as part of the Contract, does not contain embedded malicious code that would activate procedures to:-

- (a) Inhibit the desired and designed function of the equipment.
- (b) Cause physical damage to the user or equipment during the exploitation.
- (c) Tap information resident or transient in the equipment/ networks.

2. The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Rights (IPRs) are caused due to activation of any such malicious code in embedded software.

(Signed) Designation/Name/Address of firm

Date:

Place:

PROFORMA FOR STATEMENT OF DEVIATIONS

(1) The following are the particulars of deviations from the requirements of the EOI specification.

Clause	Deviation	Remarks (including justification)

Signature and seal of the BA/SI

Note: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".

FORMAT FOR AFFIDAVIT TO BE SUBMITTED BY BA/SI ALONGWITH THE EOI DOCUMENTS

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

I (Name and Designation)** appointed as the attorney/authorized signatory of the BA/SI (including its constituents),

M/s.....(hereafter called the BA/SI) for the purpose of the EOI documents for the work ofas per the EOI No.of (.....RailTel), do hereby solemnly affirm and state on the behalf of the BA/SI including its constituents as under:

1. I/we the BA/SI (s), am/are signing the document after carefully reading the contents.
2. I/We the BA/SI(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 alteration to the content of the EOI Document. In case of discrepancy noticed at any stage i.e. evaluation of EOIs, 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 alongwith the offer and the 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 the process for evaluation of EOIs, 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/SI)**_and all 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.

DEPONENT SEAL AND SIGNATURE OF THE BA/SI
VERIFICATION

I/we above named BA/SI 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/SI

Place: Dated:

CONTRACT PERFORMANCE GUARANTEE BOND

(On Stamp Paper of Rs one hundred)

(To be used by approved Scheduled

Banks)

In consideration of the RailTel Corporation of India Limited, Northern Region, 6th Floor, Block III, Delhi IT Park, Shastri Park, Delhi-110053 (Hereinafter called the RailTel) having agreed to exempt

(Hereinafter

called "the said Contractor(s)") from the demand, under the terms and conditions of an Agreement No. dated made between RailTel Corporation of India Limited and for (hereinafter called "the said Agreement") of security deposit for the due fulfillment by the said Contractor(s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs. (Rs. only). We,

..... (indicate the name of the Bank) hereinafter referred to as "the Bank") at the request of Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding Rs 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(s) of any of the terms or conditions contained in the said Agreement.

We,(name of 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 as claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or 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.only.

We,.....(name of bank) undertake to pay to the RailTel any money so demanded

notwithstanding any dispute or disputes raised by the Contractor(s) / Supplier(s) 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 thereunder and the Contractor(s) / Supplier(s) shall have no claim against us for making such payment.

We,(name of 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(s) and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before the..... We shall be discharged from all liability under this Guarantee thereafter.

We,.....(name of bank) further agree with the RailTel that the RailTel shall have the 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 or to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said contractor(s) 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(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) 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 discharged due to the change in the Constitution of the Bank or the Contractor(s)/ Supplier(s).

We (the name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.

Dated theday of 2020

for

(indicate the name of the Bank)

Witness Signature

Name

Signature

Name

Instructions to Bidders

e-Procurement is the complete process of eTendering from publishing of tenders online, inviting online bids, evaluation and award of contract using the system. You may keep a watch of the tenders floated under <https://railtel.enivida.com>. The link of e-procurement portal is also given on our official railtel portal i.e www.railtelindia.com under TENDER TAB.

These will be invited for online Bids. Bidder Enrolment can be done using "Online Bidder Enrolment".

The instructions given below are meant to assist the bidders in registering on the e-tender Portal, and submitting their bid online on the e-tendering portal as per uploaded bid.

More information useful for submitting online bids on the eNivida Portal may be obtained at:

<https://railtel.enivida.com>

GUIDELINES FOR REGISTRATION:

1. Bidders are required to enrol on the e-Procurement Portal (<https://railtel.enivida.com/bidderRegistration/newRegistration>) or click on the link "Bidder Enrolment" available on the home page of e-tender Portal by paying the Registration fee of Rs.2000/-+Applicable GST. Once Paid, the Registration Fee is 'Non-Refundable'.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidders.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.
7. The scanned copies of all original documents should be uploaded in pdf format on e- tender portal.
8. After completion of registration payment, bidders need to send their acknowledgement copy on our help desk mail id eprocurement@railtelindia.com for activation of account.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the e-tender Portal, to facilitate bidders to search active tenders by several parameters.
2. Once the bidders have selected the tenders they are interested in, you can pay the Tender fee and processing fee (both NOT REFUNDABLE) (the amount of Tender Processing Fee to be paid is displayed with the respective tender) by net-banking / Debit / Credit card then you may download the required documents / tender schedules, Bid documents etc. Once you pay both fees tenders will be moved to the respective 'requested' Tab. This would enable the e- tender Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

PREPARATION OF BIDS

1. Bidders should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
3. Bidders, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Colour option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST, Annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.
5. These documents may be directly submitted from the "My Documents" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for the bid submission process. Already uploaded documents in this section will be displayed. Click "New" to upload new documents.

SUBMISSION OF BIDS

1. Bidders should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by Railtel.
3. Bidder has to select the payment option as "e-payment" to pay the tender fee / EMD as applicable and enter details of the instrument.
4. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white Colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other

cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

5. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
6. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
7. Upon the successful and timely submission of bid click "Complete" (i.e. after Clicking "Submit" in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
8. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

For any clarification in using eNivida Portal:

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to e- tender Portal in general may be directed to the Helpdesk Support.

Please feel free to contact eNivida Helpdesk (as given below) for any query related to e-tendering.

Phone No. 011-49606060/8448288988

Mail id: - eprocurement@railtelindia.com