



RAILTEL CORPORATION OF INDIA LTD.

(A Govt. of India Enterprise)

Eastern Region Office

19th Floor, Aurora Waterfront, GN 34/1, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

Corporate Office

Plate-A, 6th Floor, Office Tower-2,
NBCC Building, East Kidwai Nagar, New Delhi-110023

Invitation for Expression of Interest

For

Selection of Suitable Backend Partner from RailTel Empanelled Business Associate /System Integrator for exclusive PRE-BID TEAMING ARRANGEMENT for "Supply, Installation & Testing of Integrated Tunnel Communication system, Emergency Call Arrangements in Tunnels & IPIS at Stations in Bhairabi- Sairang New Single line Section of Lumding Division."

EOI No: RAILTEL/ER/MKT/EOI/2023-24/Tender/019

DTD 04.10.2023

EOI NOTICE

RailTel Corporation of India Ltd.

19th Floor, Aurora Waterfront, GN 34/1, Sector V,

Bidhannagar, Kolkata, West Bengal 700091

EXPRESSION OF INTEREST

EOI Notice No: RAILTEL/ER/MKT/EOI/2023-24/Tender/019 DTD 04-10-2023

RailTel Corporation of India Ltd., (hereafter referred to as RailTel) invites EOIs from RailTel's Empanelled Partners Selection of Implementation Partner from RailTel Empanelled Business Associate /System Integrator for exclusive PRE-BID TEAMING ARRANGEMENT for *"Supply, installation & testing of Integrated Tunnel Communication system, Emergency Call Arrangements in Tunnels & IPIS at Stations in Bhairabi- Sairang New Single line Section of Lumding Division."*

The details are as under:

1	Date of EOI Floating	4 th October ,2023 at 18:00 Hours
2	Last date for submission of Bids against EOI	9 th October,2023 at 12:00 Hours
3	Opening of Bids received against EOI	9 th October,2023 at 12:15 Hours
4	Number of copies to be submitted	Single Stage (Single Packet System)
5	EOI document cost inclusive tax(non-refundable)	Rs. 5900/- (Five Thousand Nine Hundred only)
6	Value of EOI	Rs 47,44,38,682.134 /-
7	EOI EMD	Rs. 5,00,000/- (Five Lakhs Only) to be submitted along with EOI. (To be submitted via online bank transfer) per tendered SOR Balance EMD of 1% of Eoi value shall be submitted by selected Business Associate in the form of BG/DD/online transfer, before submission of final bid to the end customer. (With bank SFMS report marked to Union Bank of India., IFSC Code UBIN0540161)

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

Initially while participating in EOI the bidder needs to submit EMD i.e., Rs. 5,00,000/- in form of RTGS / NEFT. The remaining amount may be submitted before the CoR Bid.

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

RailTel Bank Details for Submission of EMD/PBG: Union Bank of India, **Account no. 401601010519491, IFSC Code: UBIN0540161**. Demand Draft should be submitted in favour of RailTel Corporation of India Limited payable at Kolkata.

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

Level:1 Contact: Sh. Rajneesh Ranjan Position: Sr. Manager/Marketing/ER
Email: rranjan@railtelindia.com Contact: +91- 9007041223

Level:2 Contact: Sh. Abhishek Mani Position: Sr. DGM/Marketing/ER
Email: abhishekmani@railtelindia.com Contact: +91-6289857500

Note:

1. Empanelled partners are required to submit soft copy of response through Online on RailTel's e-nivida portal at <https://railtel.enivida.com> duly signed by Authorized Signatories with Company seal and stamp.
2. The EOI response is invited from eligible **Empaneled Partners of RailTel only.**
3. The interested bidder should be OEM/Distributor of OEM/Direct Partner of OEM
4. The interested bidder should submit Documentary proof to establish OEM/Distributor of OEM/Direct Partner of OEM criteria.
5. If, the interested bidder is OEM/Distributor of OEM/Direct Partner of OEM, it should submit the supporting document for the same.
6. All the document must be submitted with **proper indexing and page no.**
7. This is an **exclusive pre-RFP partnership arrangement with empaneled business associate of RailTel for participating in the end customer RFP.** Selected partner's authorized 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 end customer organization by RailTel). This undertaking has to be given with this EOI Response.
8. **Transfer and Sub-letting.** The Business Associate/consortium has no right to give, bargain, sell, assign or 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.
9. **Bidder has to agree to comply with all scope of work and term and conditions including special term and condition, SLA and OEM technical & Financial documentation including MAF, Technical certificates/others as per end-to-end requirement mentioned in the end customer's RFP as mentioned below:**

Tender Ref. No.	DYCSTE_C_LMG_2023_15_09_R
Date of floating	14/09/2023
Floated on portal	www.ireps.gov.in
10. Anything not mentioned in the EOI, Customer RFP may be referred & considered.

1. RAILTEL – INTRODUCTION

RailTel Corporation of India Limited (RailTel), an ISO-9001:2000 organization is a Mini Ratna Government of India undertaking under the Ministry of Railways. The Corporation was formed in Sept 2000 with the objectives to create nationwide Broadband Telecom and Multimedia Network in all parts of the country, to modernize Train Control Operation and Safety System of Indian Railways and to contribute to realization of goals and objective of national telecom policy 1999. RailTel is a wholly owned subsidiary of Indian Railways.

RailTel has approximately 61000 kms of OFC along the protected Railway tracks. The transport network is built on high capacity DWDM and an IP/ MPLS network over it to support mission critical communication requirements of Indian Railways and other customers. RailTel has Tier-III Data Center in Gurgaon and Secunderabad hosting / collocating critical applications. RailTel is also providing Telepresence as a Service (TPaaS), where a High-Definition Video Conference facility bundled with required BW is provided as a Service.

For ensuring efficient administration across India, country has been divided into four regions namely, Eastern, Northern, Southern & Western each headed by Executive Director and Headquartered at Kolkata, New Delhi, Secunderabad & Mumbai respectively. These regions are further divided into territories for efficient working. RailTel has territorial offices at Guwahati, & Bhubaneswar in East, Chandigarh, Jaipur, Lucknow in North, Chennai & Bangalore in South, Bhopal, and Pune & Ahmedabad in West. Various other territorial offices across the country are proposed to be created shortly. RailTel's business service lines can be categorized into three heads namely B2G/B2B (Business to Government and Business to Business) and B2C (Business to customers):

Licenses & Service portfolio:

Presently, RailTel holds Infrastructure Provider -1, National Long-Distance Operator, International Long-Distance Operator and Internet Service Provider (Class-A) licenses under which the following services are being offered to various customers:



- National Long Distance: Carriage of Inter & Intra -circle Voice Traffic across India using state of the art NGN based network through its Interconnection with all leading Telecom Operators.
- Lease Line Services: Available for granularities from E1 to multiple of Gigabit bandwidth & above.
- Dark Fiber/Lambda: Leasing to MSOs/Telco's along secured Right of Way of Railway tracks.
- Co-location Services: Leasing of Space and 1000+ Towers for collocation of MSC/BSC/BTS of Telco's.

a) Enterprise Services

- Managed Lease Line Services: Available for granularities from E1, DS-3, STM-1 & above
- MPLS VPN: Layer-2 & Layer-3 VPN available for granularities from 2 Mbps & above
- Dedicated Internet Bandwidth: Experience the "Always ON" internet connectivity at your fingertips in granularities 2 Mbps to several Gbps

b) DATA CENTER

Infrastructure as a service (IaaS), Hosting as Services, Security operation Centre as a Service (SOCaaS): RailTel has MeitY empanelled two Tier-III data centres in Gurgaon & Secunderabad. Presently RailTel is hosting critical applications of Indian Railways, Central & State government/ PSUs applications. RailTel will facilitate Government's applications / Hosting services including smooth transition to secured state owned RailTel's Data Centers and Disaster Recovery Centres. RailTel also offers SOC as a Service 'SOCaaS'. In addition, RailTel offers VPN client services so that employees can seamlessly access government's intranet, applications securely from anywhere without compromising security.

c) High-Definition Video Conference:

RailTel has unique service model of providing high-definition video conference bundled with Video Conference equipment, bandwidth and FMS services to provide end to end seamless services on OPEX model connecting HQ with other critical offices. RailTel also offers application-based video conference solution for employees to be productive specially during this pandemic situation.

d) Retail Services – RailWire:

RailWire: Triple Play Broadband Services for the Masses. RailTel has unique model of delivering broadband services, wherein local entrepreneurs are engaged in delivering & maintaining broadband services and upto 66% of the total revenues earned are shared to these local entrepreneurs in the state, generating jobs and revitalizing local economies. On date RailTel is serving approx. 5,00,000 subscribers on PAN Indian basis. RailTel can provide broadband service across– Government PSU or any organization's officers colonies and residences.

2. PROJECT BACKGROUND AND OBJECTIVE OF EOI

RailTel intends to participate in **RFP floated** by end Customer organization vide **RFP No. DYCSTE_C_LMG_2023_15_09_R** dated **14.09.2023**

RailTel invites EOIs from RailTel's Empaneled Partners for the selection of suitable partner for participating in above mentioned work for the agreed scope work. The empaneled partner is expected to have excellent execution capability and good understanding customer local environment.

3. SCOPE OF WORK:

The scope of work will be as mentioned in the pertinent end Customer organization Tender for *"Supply, Installation & Testing of Integrated Tunnel Communication system, Emergency Call Arrangements in Tunnels & IPIS at Stations in Bhairabi- Sairang New Single line Section of Lumding Division."* floated through IREPS E-Tender Notice No. **DYCSTE_C_LMG_2023_15_09_R** on the IREPS e-tender Portal (www.ireps.gov.in) with all latest amendment/Corrigendum/ clarifications.

The above scope of work is indicative and the detailed scope of work is given in the end customer tender documents with latest amendments and clarifications.

In case of any discrepancy or ambiguity in any clause / specification pertaining to scope of work area, the RFP released by end customer organization shall supersede and will be considered sacrosanct. (All associated clarifications, response to queries, revisions, addendum and corrigendum, associated prime service agreement (PSA)/MSA/SLA also included.)

Special Note: RailTel may retain any portion of the work mentioned in the end organization RFP, where RailTel has competence so that overall proposal becomes most winnable proposal.

4. RESPONSE TO EOI GUIDELINES

4.1 Language of Proposals

The proposal and all correspondence and documents shall be written in English in soft copy through an email.

4.2 RailTel's Right to Accept/Reject responses

RailTel reserves the right to accept or reject any response and annul the bidding process or even reject all responses at any time prior to selecting the partner, without thereby incurring any liability to the affected bidder or Business Associate or without any obligation to inform the affected bidder or bidders about the grounds for RailTel's action.

4.3 EOI response Document

The bidder is expected to examine all instructions, forms, terms and conditions and technical specifications in the bidding documents. Submission of bids, not substantially responsive to the bidding document in every aspect will be at the bidder's risk and may result in rejection of its bid without any further reference to the bidder.

All pages of the documents shall be signed by the bidder including the closing page in token of his having studied the EOI document and should be submitted along with the bid.

4.4 Period of Validity of bids and Bid Currency

Bids shall remain valid for a period of **180 days** from the last date of submission of bids to end Customer organization.

4.5 Bidding Process

The bidding process as defined in para 4.10 & 6.

4.6 Bid Earnest Money (EMD)

4.6.1 The Business Associate shall furnish a sum as given in EOI Notice via online transfer from any scheduled bank in India in favour of "RailTel Corporation of India Limited" along with the offer. This will be called as **EOI EMD**.

4.6.2 Offers not accompanied with valid EOI Earnest Money Deposit shall be summarily rejected.

4.6.3 In case of sole partner/ consortium offer is selected for bidding, sole partner/consortium has to furnish Earnest Money Deposit (for balance amount as mentioned in the customer's Bid as and if applicable) for the bid to RailTel. The selected Business Associate shall have to submit a Bank Guarantee against EMD in proportion to the quoted value/scope of work to RailTel before submission of bid to end customer as and if applicable.

4.6.4 **Return of EMD for unsuccessful Business Associates:** EOI EMD of the unsuccessful Business Associate shall be returned without interest after completion of EOI process.

4.6.5 Return of EMD for successful Business Associate: EOI-EMD & Earnest Money Deposit (balance proportionate EMD) if applicable of the successful bidder will be discharged / returned as promptly as possible after the receipt of RailTel's EMD/BG from the Customer and or on receipt of Security Deposit Performance Bank Guarantee as applicable (clause no. 4.7) from Business Associate whichever is later.

4.6.6 Forfeiture of **EOI EMD or EOI EMD & EMD** (balance proportionate EMD) and or Penal action as per EMD Declaration:

4.6.6.1 The EOI EMD may be forfeited and or penal action shall be initiated if a Business Associate withdraws his offer or modifies the terms and conditions of the offer during validity period.

4.6.6.2 In case of non-submission of SD/PBG (as per clause no. 4.7) lead to forfeiture of EOI EMD, EMD (balance proportionate EMD) if applicable and or suitable action as prescribed in the EMD Declaration shall be initiated as applicable.

4.7 Security Deposit / Performance Bank Guarantee (PBG)

4.7.1 In case the bid is successful, the PBG of requisite amount proportionate to the agreed scope of the work will have to be submitted to RailTel.

4.7.2 As per work share arrangements agreed between RailTel and Business Associate the PBG will be proportionately decided and submitted by the selected Business Associate.

4.8 Last date & time for Submission of EOI response

EOI response must be submitted to RailTel at the email address specified in the preamble not later than the specified date and time mentioned in the preamble.

4.9 Modification and/or Withdrawal of EOI response

EOI response once submitted will be treated, as final and no modification will be permitted except with the consent of the RailTel.

No Business Associate shall be allowed to withdraw the response after the last date and time for submission.

The successful Business Associate will not be allowed to withdraw or back out from the response commitments. In case of withdrawal or back out by the successful business associate, the Earnest Money Deposit shall be forfeited and all interests/claims of such Business Associate shall be deemed as foreclosed.

4.10 Details of Financial bid for the above referred tender

Sole partner/ consortium with lowest (L1) offer will be selected for exclusive pre-bid arrangement for optimizing technical and commercial solution so that most winnable solution is submitted to end customer.

The final bid for the tender will be prepared jointly with the selected Business Associate/Consortium so that the optimal bid can be put with a good chance of winning the Tender.

4.11 Clarification of EOI Response

To assist in the examination, evaluation and comparison of bids the purchaser may, at its discretion, ask the Business Associate for clarification. The response should be in writing and no change in the price or substance of the EOI response shall be sought, offered or permitted.

4.12 Period of Association/Validity of Agreement

RailTel will enter into a pre-bid agreement with selected bidder with detailed Terms and conditions.

5. ELIGIBILITY CRITERIA FOR BIDDING BUSINESS PARTNER OF RAILTEL

5.1 The interested bidder should be an Empanelled Partner with RailTel on the last date of bid submission of EOI & has to provide relevant documents

5.2 The interested bidder should be OEM/Distributor of OEM/Direct Partner of OEM

5.3 The interested bidder should submit Documentary proof to establish OEM/Distributor of OEM/Direct Partner of OEM criteria.

5.4 The interested bidder should submit Earnest Money Deposit (EMD), in the format as mentioned in this EOI document along with the bid.

5.5 The interested bidder should submit an undertaking for maintaining of 'Local Content Compliance' and shall submit a certificate mentioning the 'Local Content Percentage' duly signed and stamped by statutory auditor or cost auditor or authorized signatory of the interested partner. This will not be a binding clause in cases where end customer has not asked Local Content Clause/Make in India Clause in their Current RFP.

5.6 The bidder has to mandatorily provide signed MoU copies.

5.7 The interested bidder should not be backlisted by any State / Central Government Ministry/Department/Corporation/Autonomous Body on the last date of submission of EOI.

5.8 There should not be any ongoing or past, arbitration case(s) between 'RailTel or Organizations under Indian Railways' and 'Interested Bidder' on the last date of submission of EOI.

5.9 The interested bidder shall not have a conflict of interest with one or more bidding parties. Participation of interested bidder(s) with a conflict-of-interest situation will result in the disqualification of all bids in which it is involved. A bidder may be in a conflict of interest with one or more parties if including but not limited to.

5.10 The interested bidder should not be seeking / extending / exploring similar arrangements / engagements with any other organization except RailTel, for the CoR tender.

S No	Particulars	Criteria for Tender Package
A)	Financial Conditions	
i)	The Bidder should be registered under Companies Act, 1956 or Companies Act 2013 or as amended and should have at least 3 years of operations in India as on bid submission date.	1. Certificate of Incorporation 2. GST Registration 3. PAN Card

S No	Particulars	Criteria for Tender Package
C)	Annexures	
vii)	Annexure 1	Covering Letter: Self-certification duly signed by authorized signatory on company letter head.
viii)	Annexure 2	The Bidder should agree to abide by all the technical, commercial & financial conditions of the end customer RFP for which EOI is submitted.
		Self-certification duly signed by authorized signatory on company letter head.
ix)	Annexure 3	An undertaking signed by the Authorized Signatory of the company to be provided on letter head. The Bidder should not have been blacklisted/debarred by any Governmental/Non-Governmental Organization in India as on bid submission date.
x)	Annexure-4	Format for Affidavit to be uploaded by The Bidder with the tender documents.
xi)	Annexure-5	Non-disclosure agreement by The Bidder with RailTel.
Xii)	Power of Attorney	Power of Attorney and Board Resolution in favour of one of its employees who will sign the Bid Documents.
xiii)	Additional Documents to be Submitted	Technical Proposal with overview of the project with strength of the Partner.
xiv)	Annexure-6	EMD (as PBG) Format
xv)	Annexure-7	MAF Format
xvi)	Annexure-8	Consortium Format (Deleted)
xvii)	Annexure-9	Price Bid Format (BOQ) (Financial Bid)

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6. BIDDER'S PROFILE

The bidder shall provide the information in the below table:

Sl. No.	ITEM	Details
1.	Full name of bidder's firm	
2.	Full address, telephone numbers, fax numbers, and email address of the primary office of the organization / main / head / corporate office	
3.	Name, designation and full address of the Chief Executive Officer of the bidder's organization as a whole, including contact numbers and email Address	
4.	Full address, telephone and fax numbers, and email addresses of the office of the organization dealing with this tender	
5.	Name, designation and full address of the person dealing with the tender to whom all reference shall be made regarding the tender enquiry. His/her telephone, mobile, Fax and email address	
6.	Bank Details (Bank Branch Name, IFSC Code, Account number)	
7.	GST Registration number	

7. EVALUATION CRITERIA

7.1 The Business Associates are first evaluated on the basis of the Eligibility Criteria as per clause 5 above.

7.2 The Business Associate (the bidder) will be selected on the lowest quote (L-1) basis for complete 'Scope of Work' as mentioned in the EOI document and documents of technical specifications of CoR, subject to the respective overall bid is in compliance to the requirements of this EOI. The so selected partner will be termed as 'Commercially Suitable Partner (hereafter referred to as 'CSP')'. It is re-mentioned, that the final selection of CSP will be on the L-1 basis only. Further, RailTel reserves the right to have negotiation with the CSP at any stage before issuing Work Order.

7.3 The Business Associate with lowest commercial (L1) offer will be selected for exclusive pre-bid arrangement for optimizing technical and commercial solution so that most winnable solution is submitted to end customer.

7.4 RailTel reserves the right to accept or reject the response against this EOI, without assigning any

reasons. The decision of RailTel is final and binding on the participants. The RailTel evaluation committee will determine whether the proposal/ information is complete in all respects and the decision of the evaluation committee shall be final. RailTel may at its discretion assign lead factor to the Business associate as per RailTel policy for shortlisting partner against this EOI.

7.5 All General requirement mentioned in the Technical Specifications are required to be complied. The solution proposed should be robust and scalable.

8. PAYMENT TERMS

A. Payment will be made on receipt of payment to RailTel from customer as per following criteria

- a) 70% payment would be paid after supply of all the item as per SOR-A at respective site duly inspected by RailTel Nominated Officer.
- a) 20% payment will be released after successful Installation and Testing of the work at respective site & after the issue of PAC or after completion of last phase of work.
- b) The following document shall be attached along with the bills:
 - (i) Invoice in original and duplicate
 - (ii) Delivery challan
 - (iii) Inspection certificate
 - (iv) Warranty certificate of the OEM/Authorized dealer.
 - (v) Bidders Certificate of Dispatch
 - (vi) E-way bill
 - (vii) Copy of Purchase Order
 - (viii) Insurance of the materials
 - (ix) PAN, GST Registration Certificates

B. Final Payment

Final payment of 10% (Ten Percent) of the contract value shall be made after one year from the date of issue of PAC.

**** Any deduction/LD/Penalties levied by CoR on invoices of RailTel will be carried back-to- back in terms of value and will be deducted from CSP's**

invoices or PBG.

- i. **Payment will only be released once GSTR-1 and GST-3B is filed by the bidder for claimed invoice**
- ii. **Last bills shall be settled after end of the contract period after adjusting all outstanding dues**
- iii. **No interest is payable on any amount whatsoever to the successful Bidder.**
- iv. **Final Costing and Reverse Auction:** The Bidder has to revise its cost during RA and the same will be considered as the final Bidding value of the EoI. The Work Order will be issued on the final negotiated rates after Reverse Auction.

9. Bill Passing Authority: TM/GHY or RailTel's authorised representative

10. Bill Paying Authority: GM/Fin

11. SERVICE LEVEL AGREEMENT (SLA):

The selected bidder will be required to adhere to the SLA matrix as defined in the end Customer organization tender for his scope of work and the SLA breach penalty will be applicable proportionately on the selected bidder, as specified in the end Customer organization Tender. The SLA scoring and penalty deduction mechanism for in-scope of work area shall be followed as specified in the Tender. All associated clarifications, responses to queries, revisions, addendum and corrigendum, associated Prime Services Agreement (PSA)/MSA/SLA also included. Any deduction by Customer from RailTel payments on account of SLA breach which is attributable to Partner will be passed on to the Partner proportionately in terms of value based on its scope of work.

12. Performance Bank Guarantee (PBG):

- a) In case of successful participation by RailTel in the pertinent CoR's tender and subsequent engagements with CSP, The CSP shall at its own expense, deposit with department, within fifteen (15) days of the notification of award (done through issuance of the Purchase Order / Work Order etc.) and communicated through email, an unconditional and irrevocable Performance Bank Guarantee (PBG) from a Nationalized/ Commercial Scheduled Indian Bank as per the format enclosed in this EOI, payable on demand, for the due performance and fulfilment of the contract by the CSP. This PBG will be for an amount of **'10 %' of the contract value.** The quantum of this 'percentage (%)' will be equal to the PBG % as asked by CoR from RailTel. All charges whatsoever such as premium, commission, etc. with respect to the PBG shall be borne by the CSP. Besides, if the total BG amount comes upto ₹5 Lakhs, then same may be deposited through DD/RTGS/NEFT. Along with submission of PBG, CSP needs to submit PBG issuing bank's SFMS report. The SFMS report is also to be submitted in case of renewal / extension of PBG.

- b) The PBG should have validity for a period as per CoR RFP and shall be on back to back basis. The PBG may be discharged / returned by RailTel upon being satisfied that there has been due performance of the obligations of the CSP under the contract. However, no interest shall be payable on the PBG. In the event, CSP being unable to service the contract for whatsoever reason, RailTel would invoke the PBG at its discern. Notwithstanding and without prejudice to any rights whatsoever of RailTel under the contract in the matter, the proceeds of the PBG shall be payable to RailTel as compensation for any loss resulting from the CSP's failure to complete its obligations under the contract. RailTel shall notify the CSP in writing of the exercise of its right to receive such compensation within 14 days, indicating the contractual obligation(s) for which the CSP is in default.
- c) RailTel shall also be entitled to make recoveries from the CSP's bills, PBG or from any other amount due to him, the equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.
- d) If the service period gets extended by virtue of extension of same by CoR, PBG should also be extended accordingly.
- e) During the contract period, RailTel may issue Purchase Order(s) for the additional services ordered by CoR (in case) to RailTel.
- f) In case the CoR has sought PBG of the contract in the terms of Indemnity Bond from RailTel, the selected bidder has to provide the equivalent value PBG from scheduled Bank to RailTel. No Indemnity Bond from Selected Bidder will be accepted in lieu of PBG from Scheduled Bank.
- g) In case CoR has sought any other types of PBG in this contract at present or in future or else Integrity Pact PBG (presently or in future), same remain applicable on selected Bidder. The Said PBG will be issued by Selected Bidder from Scheduled Bank favouring RailTel Corporation of India Limited. No Indemnity Bond in lieu of such PBG will be accepted by RailTel.
- h) If, CoR ask for submission for value **more than 10%**, same also needs to be submitted by the selected BA.
- i) Integrity pact in the format as per CoR to be provided by the Bidder.

13. Insurance:

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

14. Liquidated Damages:

RailTel will levy the liquidated damages imposed by CoR to bidder on value terms back to back for the services/items under its SOR.

15. Delivery & Inspection:

- i. Delivery, Installation and Commissioning Period: 10 Months from issue of LOI
- ii. All the material should be made available for Inspection by RailTel nominated person/agency
- iii. Charges for any 3rd party inspection should be under scope of Bidder.
- iv. Bidder will be custodian of all the material till installation and commissioning of system.

16. Proof of Concept (POC):

Bidder is required to perform Proof of Concept (POC) after execution of all the items of the work as per schedule of the work with at least 15 (fifteen) days advance intimation to the Engineer-in-charge. In case of any faults detected during the said test, the contractor shall be responsible for localization of fault(s) and rectification of those at his own cost and then re-offer for testing, till the entire work is finally cleared for acceptance by the Engineer-in-charge.

16. Other Conditions:

Bidder has to agree to comply with all scope of work and term and conditions including special term and condition, SLA and OEM technical & Financial documentation including MAF, Technical certificates/others as per end-to-end requirement mentioned in the end customer's RFP as mentioned below:

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Date of floating	14/09/2023
Floated on portal	www.ireps.gov.in

18. Provisional Acceptance Certificate (PAC)

- a) Immediately after the completion of the work at all the sites, the Bidder shall certify and advise the purchaser in writing that the installation is complete, commissioned and ready for handing over to customer.
- b) The tests will be conducted jointly by purchaser and Bidder as soon as possible after receipt of such advice of completion of the work from the Bidder. The test schedule shall be finalized mutually between the Bidder and RailTel. Any component/modules/sub-assemblies or equipment failing during the commissioning shall be replaced/repared free of cost by tenderer.
- c) Purchaser's Engineer shall issue a Provisional Acceptance Certificate (PAC) after successful Installation, Configuration, integration & commissioning of all materials and services included in the Schedule of Requirements after the acceptance test as per the approved test procedure have been completed and the

performance has been found to meet the specifications. RailTel's decision in this respect shall be final. The Provisional Acceptance Certificate (PAC) shall be signed by both the parties. The period of Comprehensive Maintenance shall commence from the date of issue of Provisional Acceptance Certificate (PAC).

19. Final Acceptance Certificate (FAC)

- a) The final acceptance of the works shall take effect after **One year i.e. 12 months** of issue of Provisional Acceptance Certificates, provided in any case that the Bidder has complied fully with his obligations in respect of each item under the contract
- b) Notwithstanding the issue of Final Acceptance Certificate (FAC), the Bidder and the purchaser (subject to Sub Clause as above) shall remain liable for fulfilment of any obligation incurred under the provision of the contract prior to the issue of Final Acceptance Certificate which remains unperformed at the time such certificate is issued and for determining the nature and extent of such obligation the contract shall be deemed to remain in force between the parties hereto.

Note: Depending on RailTel's business strategy RailTel may choose to work with Partner who is most likely to support in submitting a winning bid.

Annexure 1: Format for COVERING LETTER (to be submitted by sole partner/lead partner in case of consortium)

COVERING LETTER (To be on company letter head)

To,

The Regional General Manager
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector
V, Bidhannagar, Kolkata, West Bengal
700091

Dear Sir,

SUB: Participation in the EoI process

Having examined the Invitation for EoI document bearing the reference number _____ released by your esteemed organization, we, undersigned, hereby acknowledge the receipt of the same and offer to participate in conformity with the said Invitationfor EoI document.

If our application is accepted, we undertake to abide by all the terms and conditions mentioned inthe said Invitation for EoI document.

We hereby declare that all the information and supporting documents furnished as a part of our response to the said Invitation for EoI document, are true to the best of our knowledge. We understand that in case any discrepancy is found in the information submitted by us, our EoI is liable to be rejected.

We hereby Submit EMD amount of Rs. _____issued vide _____from Bank _____.

Authorized
SignatoryName
Designation

Annexure 2: Format for Self-Certificate & Undertaking (to be submitted by sole partner/lead partner in case of consortium)

Self-Certificate (To be on company letter head)

Eoi Reference No:

Date:

To,

The Regional General Manager
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector
V, Bidhannagar, Kolkata, West Bengal
700091

Dear Sir,

Sub: Self Certificate for Tender, Technical & other compliances

- 1) Having examined the Technical specifications mentioned in this EOI & end customer tender, we hereby confirm that we meet all specification.
- 2) We_____agree to abide by all the technical, commercial & financial conditions of the end customer RFP for which EOI is submitted (except pricing, termination & risk purchase rights of the RailTel). We understand and agree that RailTel shall release the payment to selected sole partner/lead partner in case of consortium after the receipt of corresponding payment from end customer by RailTel. Further we understand that in case selected sole partner/lead partner in case of consortium fails to execute assigned portion of work, then the same shall be executed by RailTel through third party or departmentally at the risk and cost of selected sole partner/lead partner in case of consortium.
- 3) We agree to abide by all the technical, commercial & financial conditions of the end customer's RFP for the agreed scope of work for which this EOI is submitted.
- 4) We hereby 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. We are hereby enclosing the arrangement of OEMs against each of the BOQ item quoted as mentioned end customer's RFP. We also undertake to submit MAF and other documents required in the end Customer organization tender in favour of RailTel against the proposed products.

- 5) We hereby certify that any services, equipment and materials to be supplied are produced in eligible source country complying with OM/F. No. 6/18/2019 dated 23rd July 2020 issued by DoE, MoF.
- 6) We hereby undertake to work with RailTel as per end customer's RFP terms and conditions. We confirm to submit all the supporting documents constituting/ in compliance with the Criteria as required in the end customer's RFP terms and conditions like technical certificates, OEM compliance documents.
- 7) We understand and agree that RailTel is intending to select sole partner/ consortium who is willing to accept all terms & conditions of end customer organization's RFP for the agreed scope of work. RailTel will strategies to retain scope of work where RailTel has competence.
- 8) We hereby agree to submit that in case of being selected by RailTel as sole partner/ consortium for the proposed project(for which EOI is submitted), we will submit all the forms, appendix, relevant documents etc. to RailTel that is required and desired by end Customer well before the bid submission date by end customer and as and when required.
- 9) We hereby undertake to sign Pre Bid Agreement and Non-Disclosure Agreement with RailTel on a non-judicial stamp paper of Rs. 100/- in the prescribed Format.
- 10) We undertake that we will not submit directly or indirectly out 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 end customer organization by RailTel)

Authorized Signatory

Name & Designation

Annexure 3: Undertaking for not Being Blacklisted/Debarred (to be submitted by sole partner/each of the consortium partners)

<On Company Letter Head>

To,

The Regional General Manager
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector
V, Bidhannagar, Kolkata, West Bengal
700091

Subject: **Undertaking for not Being Blacklisted/Debarred**

We, Company Name, having its registered office at Address

hereby declares that that the Company has not been blacklisted/debarred by any

Governmental/ Non-Governmental organization in India for past 3 Years as on bid submission date.

Date and Place

Authorized Signatory's Signature:

Authorized Signatory's Name and Designation:

Bidder's Company Seal:

Annexure 4: Format of Affidavit (to be submitted by sole partner/each of the consortium partners)

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY SOLE PARTNER/ ALL CONSORTIUM PARTNERS ALONGWITH THE EOI DOCUMENTS

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

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

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

8. I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of EMD/SD and Performance guarantee besides any other action provided in the contract including banning of business for five years on entire RailTel.

DEPONENT
TSEAL AND
SIGNATURE
OF THE BA

VERIFICATION

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

DEPONENT

SEAL AND
SIGNATURE
OF THE BA

Place:
Dated
:

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

Annexure-5: Non-Disclosure Agreement (NDA) Format(to be submitted by sole partner/each of the consortium partners)

NON-DISCLOSURE AGREEMENT

This Non-Disclosure Agreement (this "**Agreement**") is made and entered into on this ____ day of ____, 2023 (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, (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. _____

_____:

Attn:

Address:

Phone:

Email:

9. Term, Termination and Survivability.

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

(b) Each party reserves the right in its sole and absolute discretion to terminate this Agreement by giving the other party not less than 30 days' written notice of such termination.

(c) Notwithstanding the foregoing clause 9(a) and 9 (b) , Receiving Party agrees that its obligations, shall:

(i) In respect to Information provided to it during the Term of this agreement, shall survive and continue even after the expiry of the term or termination of this agreement; and

(ii) not apply to any materials or information disclosed to it thereafter.

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

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

12. No Definitive Transaction. The Parties hereto understand and agree that no 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.
- c) 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 parties.

14. 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.

15. 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.

16. 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.

17. 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.

18. 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.

19. 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.

20. UNPULISHED 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

21 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.

_____ :

RailTel Corporation of India Limited:

By _____

By _____

Name:

Name:

Title:

Title:

Witnesses

Annexure-6: EMD (as PBG) Format

BG NO :
ISSUANCE DATE : DD-MM-YYYY
BG AMOUNT : Rs xxxxxxxx /-
EXPIRY DATE : DD-MM-YYYY
CLAIM EXPIRY DATE : DD-MM-YYYY

In consideration of the **RailTel Corporation of India Limited**, (CIN: L64202DL2000GOI107905) having its registered office at Plate-A, 6th Floor, Office Block Tower-2, East Kidwai Nagar, New Delhi - 110023 (Here in after called RailTel) having agreed to exempt ~~Partner Name (CIN:-)~~ having its registered office at ~~Partner's address~~ (Here in after called "the said Contractor(s)") from the demand, under the terms and conditions of **EOI NO.** made between **RailTel Corporation of India Limited** and ~~Partner Name~~ for (here in after called "the said Agreement") of security deposit for the due fulfilment by the said contractor (s) of the terms and conditions contained in the said Agreement, or production of a Bank Guarantee for **Rs. /- (In Words)**.

We, ~~Bank Name~~ a banking company incorporated under the Companies Act, 1956 and carrying on Banking Business under The Banking Regulation Act, 1949 and having its Registered Office at ~~Bank's Address~~ and its Central office at ~~Bank's Corporate Office Address~~ (indicate the name of the Bank) here in after referred to as "the Bank") at the request of ~~Partner's Name~~ Contractor(s) do hereby undertake to pay the **RailTel** an amount not exceeding **Rs. /- (In Words)** .. 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 said Contractor(s) of any of the terms or conditions contained in the said Agreement.

We, ~~Bank Name~~ do here by 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 terms and conditions contained in the said Agreement or by 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. /- (In Words)**.

We, ~~Bank's Name~~ undertake to pay to the **RailTel** any money so demanded not with standing 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 there under and the Contractor(s)/ Supplier(s) shall have no claim against us for making such payment.

We, ~~Bank's Name~~ further agree that the Guarantee here in 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 discharge this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before the **DD-MM-YYYY(Claim Expiry Date.)** We shall be discharged from all liability under this Guarantee thereafter.

We, ~~Bank's Name~~ 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).

~~Bank's Name~~ lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the **RailTel** in writing.

Date : DD-MM-YYYY

Place :

Annexure-7: MAF/MOU and other Documents

Documents to be submitted as per tender No:

Tender Ref. No.	DYCSTE_C_LMG_2023_15_09_R
Date of floating	14/09/2023
Floated on portal	www.ireps.gov.in

Specifically, As per para 10.4.1 to 10.4.4 of CoR Tender

Annexure-8: Deleted

Annexure-9: Price Bid Format (BOQ) (Financial Bid)

SN	Description of Items	Unit	Qty	Rate	Total Amount
A	Supply of Equipments and Materials for tunnel radio communication				
1	Supply of Master Unit for VHF simplex system as per RDSO specifications No. RDSO/SPN/TC/109/2023 with latest Amendment/Revision . Note: Railway Envisaged One Master Unit for each station which should be able to cover all the tunnels of one block section in redundant mode. Example: One MU at BHRB and other at HORTOKI will be connected to all RUs of tunnels in the section with desired redundancy . Similarly one MU provided at KAWNPUJ station and one already provided at HORTOKI will work in tandem to provide redundancy for another block section. However, firm is free to use as any number of optical units to provide sufficient number of ports for complete section for complete Radio coverage. The Master unit can be either single unit or separate units of OMU and Off-Air Channelized repeater. The item consists (a)Off-Air Channelized repeater (Bi-Directional Amplifier) as per RDSO specifications No. RDSO/SPN/TC/109/2023 with latest Amendment/Revision (b) Optical Master Unit along as per RDSO specifications No. RDSO/SPN/TC/109/2023 with latest Amendment/Revision. With suitable interface, it should be able to connect to Tunnel ventilation control room/divisional control room	Nos.	5.00		
2	Supply of Off-Air Channelized repeater (Bi-Directional Amplifier) as per RDSO specifications No.	Nos.	2.00		

	RDSO/SPN/TC/109/2023 with latest Amendment/Revision				
3	Supply of Optical Remote Unit for VHF simplex system requirements mentioned in tender as per specifications No. RDSO/SPN/TC/109/2023 with latest Amendment/ Revision and technical specs attached with main and stand by connections to Optical Master Unit. One ORU should be able to connect minimum three OMUs (two at stations and one at in between tunnels).	Nos.	37.00		
4	Supply of 3KVA/ 2.7KW True On Line Rack mounted UPS System. Phase: 1P Input - 1P Output Form Factor: 2U Size Dimension (W x D x H): 440 x 430 x 88mm Model number: New R Series or similar, make Delta or better.	Nos.	110.00		
5	Supply of Lithium Battery: Battery Configuration: 72V/38AH Dimension (W x D x H) (+/- 2mm): 483 x 620 x 176mm Model Number: EFL 72V38Ah-I06CB or similar, Make: Enertect or better.	Set	110.00		
6	Supply, Installation and Configuration of Network Monitoring System for all technologies, including all Hardware and Software as per Technical Specification in tender document and of approved quality.	Nos.	1.00		
7	Patch cord with connectors as per OEM requirement-10 Mtrs of approved make.	Nos.	81.00		
8	Supply of Voice Recording equipment as per RDSO Specification No. RDSO/SPN/TC/038/2002 (per 4 channels) with latest Amendment/Revision of approved quality.	Nos.	5.00		

9	Supply of 1/2" RF Feeder Cable of approved make.	KM	2.00		
10	Supply of N-Type Connectors for 1/2" Cable of approved make.	Nos.	74.00		
11	Supply of 7/8" Leaky Radiating Cable as per specifications No. RDSO/SPN/TC/109/2023 or latest.	KM	27.00		
12	Supply of N-Type Connectors for 7/8" Radiating cable of approved make.	Nos.	74.00		
13	Supply of Stainless Steel Clamps for 7/8" Radiating Cable anchored using SS Bolts and SS Anchor Fastners (Stainless steel" shall be a Cr-Ni-Mo alloy or Cr-Ni-Mo-Ti alloy, material No. 1.4404 or 1.4571 according to EN 10088 resp. 316 S 11 or 320 S 31 according BS) of reputed make like HILTI or better.	Nos.	5367.00		
14	Supply of Nylon Clamps for 7/8" Radiating Cable using Stainless Steel Self-Anchoring Expansion Bolts of reputed make like HILTI or better.	Nos.	21472.00		
15	Supply of Jumper Cables 1 mtr in 1/2"SF Cable with N-N /DM NM terminations as per OEM of approved make.	Nos.	74.00		
Supply of CBC, Directional couplers, RF terminations and RF Accessories					
16	2way splitter of approved make.	Nos.	74.00		
17	30dB coupler of approved make.	Nos.	128.00		
18	10W Termination Load (PIM<=-150) of approved make.	Nos.	128.00		
19	Supply of RF lightning and Surge Arrestor protection of approved make.	Nos.	10.00		
Log Periodic Antennas / Handover Systems					
20	Supply of Log Periodic Antenna in VHF Frequency Band of approved make.	Nos.	10.00		
21	High Gain Directional Antenna in VHF Band at Portals of Tunnels	Nos.	32.00		

22	System Architecture/technical Design to suit functional, technical and system requirements given in technical specs & Documentation with project team/ interfacing and client discussion for formalising design document. Design document for in- principle approval of Railway. Scope of design also includes defining the system values, parameters, block diagrams, diagrams, drawings, flow charts, location-wise equipment details etc., for VHF systems and the same shall be submitted by the contractor. After testing if any change in design required the same shall be incorporated and submitted to Railway for approval.	LS	1.00		
23	Supply of G.I. Pipe with thread collar of 40mm nominal bore, specification No. IS-1239 medium grade.	Mtr	814.00		
24	Earthing (Ring earth with minimum Ten earth Electrodes) for telecom Equipments along with supply of all requisite materials and including welding - as per RDSO TAN No STS/E/TAN/3006 Ver 1.0 Dated 02-11-12 or latest & as per drawing (enclosed in technical specification).NOTE :- Earthing material used for earthing to be supplied from RDSO approved source, if any. The unit earth shall be as per RDSO specification No.RDSO/SPN/197/2016 Ver.1.0 or latest. Supply of all materials and installation procedure should be as per RDSO latest design of earthing to suit hot standby system. Beautification with Grass/Plantation of Earthing area as per instruction of Engineer Incharge is included in this item. Painting of earth diagram, as replica of site	Set	40.00		

	position, shall be done on backwall of relay room as per the instruction of Site Incharge. Materials used for earthing and welding to be inspected by RITES				
25	Supply and Installation of Unit Maintenance Free Earthing as per RDSO specification RDSO/SPN/197/2008 or latest inside Tunnel consisting of: (i) Copper bonded steel electrode of 3.0m long, 17.2 mm dia with copper bonding thickness of min. 250 microns and UL listed and marked = 1 no. (ii) Earth enhancement material supplied in sealed bags of min.10 kg = 3bags (iii) Copper strip of 200x25x6mm for Earth Terminal = 1 no. (iv) 35 sq mm copper cable to connect unit earth to 25X3 mm copper strip (10 mtrs) (v) Exothermic Joint to connect 35 sq mm Copper Cable to Earth Terminal Busbar (vi) Exothermic Joint to connect 35 sq mm Copper Cable to 25X3 mm Copper Strip (vii) For achieving the desired earth resistance value, if required sufficient quantity of soil refilling with lower resistivity soil and further compacting is to be done and then earthing is to be done.	Nos.	110.00		

26	Supply and installation of 50x6 mm copper coated steel strip with copper coating thickness of min 100 microns. The strip shall be mounted on insulators at every meter to avoid contact with the wall. the jointing between the strips shall be done by exothermic welding to ensure 100% electrical contact. The exothermic welding shall be UL listed. make-JMV or better	Mtr	26838.00		
27	Supply and installation (including all accessories) of Surge protection device RJ45 POE-ODR (outdoor) Suitable for use with surveillance cameras, access points, and other Ethernet-equipped device. The device should be suitable for outdoor use. Module- JMV/RJ45 POE-ODR or similar.	Nos.	330.00		
28	Supply and installation of 100 ka, 4 wire, built in grounding/ earthing devices for surge and transient over voltage protection with grounding /earthing system without buried earth pit for equipment, tested, certified and approved as per international standards. make-JMV or better.	Nos.	37.00		
29	Conducting Acceptance Tests with Railway. This includes Testing with Railway, preparation of As-Built Report and submission of final Design Document Submission of product manuals and training and testing documentation.	LS	1.00		
30	Submission of Document like Plans, Drawings and As-Built Drawings submissions in soft copy on storage device and hard copy submission minimum 06 copies in A3 size or as per directed by Engineer-in-charge. Drawings prepared in Auto CAD shall be submitted in Auto CAD format as required by Railway.	LS	1.00		
Total of Schedule-A					
B	Schedule-B- Associated works for VHF Simplex Radio				

1	Supply of Armoured LSZH Cat 6A S/FTP Cable complete broadly conforming to RDSO standard RDSO/SPN/TC/65/2021 Rev.6 or latest.	Mtr	29300.00		
2	Supply and Installation of 15U Floor Mounted Rack all complete as per technical specification. "HOUSING: Supply of Floor Mount Enclosure of size 15UH X 600W X500D Floor mounted. 1) All Round welded construction with trough design. 2) Front Hinged Single Metal Door with 130 degree opening with concealed hinges 3)Top with Rin Canopy Provision, Bottom flush type gland plate. 4) PU Foam Gasketing 5) 04 number 19""recess angle. 6) Finish Ral 7035 STR. Make- VALRACK/RITTAL/EMERSON or better. As detailed in technical specification for outdoor use. Note: (1) Manufacturer Authentication Certificate has to be given during supply of the material."	Nos.	20.00		
3	Supply and Installation of 24U Floor Mounted Rack all complete as per technical specification."HOUSING: Supply of Floor Mount Enclosure of size 24UH X 600W X500D Floor mounted. 1) All Round welded construction with trough design.2) Front Hinged Single Metal Door with 130 degree opening with concealed hinges3)Top with Rin Canopy Provision, Bottom flush type gland plate.4) PU Foam Gasketing5) 04 number 19""recess angle.6) Finish Ral 7035 STR.Make- VALRACK/RITTAL/EMERSON or better. As detailed in technical specification for outdoor use. Note: (1) Manufacturer Authentication Certificate has to	Nos.	40.00		

	be given during supply of the material."				
4	Supply of Single Mode Optical Fibre Patch cords 1 (One) Meter as per OEM requirement of approved make.	Nos.	320.00		
5	Supply of Single Mode Optical Fibre Patch cords 5 (Five) Meters as per OEM requirement of approved make.	Nos.	320.00		
6	Supply of Push Trolley Light Weight day to day inspection work BG complete with bench pushing handle stone guard , toll box etc. Axel and wheel (Insulated) confirming to RDSO's DRG. No. EGO/T-535	Nos	2.00		
7	Supply of 3 core 2.5 Sq.mm multi strand copper conductor, LSZH armoured cable of reputed make. (NOTE: Procurement of this item will be decided upon finalization of integration design with E&M).	Mtr	26800.00		
8	Supply of Self - Propelled light weight trolley comprises of a light metallic tubular frame With two sets of axles powered by an engine mounted on the frame. Axel and wheel (Insulated). The trolley has Seating arrangement in front & rear As per RDSO Specification no. TM/SM/28 Rev.01 of 2004 amended on 15.09.2010 with latest amendment if any	Nos.	1.00		
Total of Schedule-B					

C	Schedule-C: Supply and Installation of Emergency Communication system				
1	Supply of Emergency Call, Service Telephone and PA system Hardware controller, with all required accessories as per technical specification. The System should function as one network giving redundancy to server provided at other station.	Nos.	2.00		
2	Supply of Desktop Call Station, full IP based handset and microphone, functional keys as per technical specification etc all complete.	Nos.	5.00		
3	Supply of Emergency Audio call station with one/two buttons rugged industrial grade suitable for tunnel application as per technical specifications.	Nos.	98.00		
4	Supply of Emergency Audio & Video call station with two buttons rugged industrial grade suitable for tunnel applications as per technical specification.	Nos.	11.00		
5	Supply Emergency Audio & Video call station with scrolleable phone book as per attached technical specification.	Nos.	20.00		
6	Supply of IP Horn Type PA Speaker, with mounting arrangement and all accessories etc all complete as per technical specifiactions. The material should be corrosion free.	Nos.	140.00		
7	Supply of IP 66 Cabinet for the installation of Emergency Audio call station as mentioned above (for all three types of Call station) with all required accessories.	Nos.	110.00		
Total of Schedule-C					
D	Schedule-D: Supply and Installation IP based CCTV Surveillance & PA Solution				

1	Supply of 4K UHD Bullet Type IP Colour Camera with inbuilt IR range of 80m and to suit tunnel environment like humidity upto 95%, temperature range, etc as specified in technical specification attached in line with RDSO specification No. RDSO/SPN/TC/109/2023 dated 29.3.23. Cameras to be located at cross passages, entrances of tunnels and stations, at suitable interval depending upon the tunnel conditions on both sides of tunnel wall in zig zag manner. Note 1: All parameters of the item should conform to technical specification attached with tender document which are modified based on specification RDSO/SPN/TC/109/2023 dated 29.3.23. to suit tunnel environment. Note 2: Railway envisage use of higher range IR camera to reduce number of camera and associated electronics like NVR/servers, switches, cabling, licenses, software, etc. Accordingly the range of the camera has been enhance to 80 meters. Bidder can supply less range IR (say 20m) & Focal lens camera as per RDSO spec RDSO/SPN/TC/65/2021 however, they have to supply additional no. of cameras, license, cables, switches, storage capacity, servers required for additional no. of cameras free of cost. e.g for 20M IR camera, bidder has to supply 4 No. of cameras in lieu of one camera of 80M range along with all corresponding devices/licenses as stated above.	Nos.	34.00		
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2	Supply of Full HD Bullet Type IP Colour Camera with inbuilt IR range of 80m and to suit tunnel environment like humidity upto 95%, temperature range, etc as specified in technical specification attached in line with RDSO specification No. RDSO/SPN/TC/109/2023 dated 29.3.23. Cameras to be located at cross passages, entrances of tunnels and stations, at suitable interval depending upon the tunnel conditions on both sides of tunnel wall in zig zag manner. Note 1: All parameters of the item should conform to technical specification attached with tender document which are modified based on specification RDSO/SPN/TC/109/2023 dated 29.3.23. to suit tunnel environment. Note 2: Railway envisage use of higher range IR camera to reduce number of camera and associated electronics like NVR/servers, switches, cabling, licenses, software, etc. Accordingly the range of the camera has been enhance to 80 meters. Bidder can supply less range IR (say 20m) & Focal lens camera as per RDSO spec RDSO/SPN/TC/65/2021 however, they have to supply additional no. of cameras, license, cables, switches, storage capacity, servers required for additional no. of cameras free of cost. e.g for 20M IR camera, bidder has to supply 4 No. of cameras in lieu of one camera of 80M range along with all corresponding devices/licenses as stated above.	Nos.	230.00		
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3	Supply of full HD P/T/Z (Pan/Tilt/Zoom) IP Colour Camera with inbuilt IR range of 500m and to suit tunnel environment like humidity upto 95%, temperature range, etc as specified in technical specification attached in line with RDSO specification No. RDSO/SPN/TC/109/2023 dated 29.3.23. Cameras to be located at cross passages, entrances of tunnels and stations, at suitable interval depending upon the tunnel conditions on both sides of tunnel wall in zig zag manner. Note 1: All parameters of the item should conform to technical specification attached with tender document which are modified based on specification RDSO/SPN/TC/109/2023 dated 29.3.23. to suit tunnel environment. Note 2: Railway envisage use of higher range IR camera to reduce number of camera and associated electronics like NVR/servers, switches, cabling, licenses, software, etc. Accordingly the range of the camera has been enhance to 500 meters. Bidder can supply less range IR (say 250m) & Focal lens camera as per RDSO spec RDSO/SPN/TC/65/2021 however, they have to supply additional no. of cameras, license, cables, switches, storage capacity, servers required for additional no. of cameras free of cost. e.g for 250 m IR camera, bidder has to supply 2 No. of cameras in lieu of one camera of 500M range along with all corresponding devices/licenses as stated above	Nos.	14.00		
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4	Supply of full HD P/T/Z (Pan/Tilt/Zoom) for stations IP Colour Camera with inbuilt IR range of 500m and to suit tunnel environment like humidity upto 95%, temperature range, etc as specified in technical specification attached in line with RDSO specification No. RDSO/SPN/TC/109/2023 dated 29.3.23. Cameras to be located at cross passages, entrances of tunnels and stations, at suitable interval depending upon the tunnel conditions on both sides of tunnel wall in zig zag manner. Note 1: All parameters of the item should conform to technical specification attached with tender document which are modified based on specification RDSO/SPN/TC/109/2023 dated 29.3.23. to suit tunnel environment. Note 2: Railway envisage use of higher range IR camera to reduce number of camera and associated electronics like NVR/servers, switches, cabling, licenses, software, etc. Accordingly the range of the camera has been enhance to 500 meters. Bidder can supply less range IR (say 250m) & Focal lens camera as per RDSO spec RDSO/SPN/TC/65/2021 however, they have to supply additional no. of cameras, license, cables, switches, storage capacity, servers required for additional no. of cameras free of cost. e.g for 250 m IR camera, bidder has to supply 2 No. of cameras in lieu of one camera of 500M range along with all corresponding devices/licenses as stated above	Nos.	10.00		
5	Supply of Thermal & Optical Bi-spectrum Network Bullet Camera (at tunnel faces) as per technical specification.	Nos.	14.00		

6	Design, Supply and installation of IP 66 Rated corrosion free Junction Box to house the 4 port Industrial Switches with all required accessories all complete with terminations for power cable & CAT-6, MCB, surge protection etc. The box should also have sufficient space to house a 12 port LIU for 6 fibre termination. The supply must be done only after the approval of design by the engineer.	Set	110.00		
7	Supply of Video Management & recording Software at Station equipment rooms for cameras as per technical specification etc all complete. All the data shall be recorded at the station equipment rooms. The item must conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	LS	3.00		
8	Supply of Servers for VMS Application with all required accessories for complete system. The item must conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	Set	3.00		
9	Supply of camera license in redundant configuration for viewing & recording at station or as per requirement with all required accessories for complete the system etc all complete. The item must conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	per camera	288.00		
10	Supply of Analytics Software cum license at tunnel Portals in redundant configuration for all fixed cameras complete with all required accessories for the system. The item should conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	per camera	264.00		

11	Supply of Servers for Analytics complete with required accessories for complete system. The item must conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	Set	9.00		
12	Supply of face recognition Software cum license at stations in redundant configuration for all fixed cameras complete with all required accessories for the system. The item should conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	set	34.00		
13	Supply of face recognition server at stations in redundant configuration for all fixed cameras complete with all required accessories for the system. The item should conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	Set	9.00		
14	Supply of Storage Serve 30 Days or more, approx. 240TB raw capacity, RAID 5/6 @3TB For 4K UHD cameras & 750 GB for FHD cameras with all required accessories for commissioning of the system. The item should conform to specification RDSO/SPN/TC/65/2021, rev.6or latest.	Set	2.00		
15	SITC of Workstation with Intel i7 latest generation, 8 GB RAM, 500 GB HDD, 2 GB Graphics card with 17-inch monitor, keyboard, mouse and all required accessories etc all complete. The item should conform to specification RDSO/SPN/TC/65/2021, rev.6 or latest.	Set	10.00		
16	SITC of 55-Inch Video Wall Display as per technical specification with mounting arrangement as per site complete with all accessories etc. The item should conform to	Nos.	12.00		

	specification RDSO/SPN/TC/65/2021, rev.6 or latest.				
17	Supply and installation of Accessories, connector and mounting arrangement for the control station equipment, video walls etc. complete for commissioning of the system.	Lot/per tunnel	5.00		
18	Supply and installation of Workspace new Modular(Make Pyrotech Workspace or superior/similar) control desk for 2 monitors (42"/56"), 2 operators and 1 module will be provided for storage make in SLAT System this includes space for housing 2 Nos. embedded PC, two FDMS & their power supply arrangement with proper ventilation. Two chairs of make Methodex/Zuari/Godrej Model PCH-7002 or better for operators to be supplied. [Refer Technical Specification for additional details]	Nos	2.00		
19	Supply of Fully functional multipurpose Digital keyboard (Joystick) complete with all accessories compatible with PTZ camera as per clause 8.0 of RDSO/SPN/TC/65/2021 Version 6.0	Nos	5.00		
Total of Schdeule D					
E	Schdeule E: Supply of IP BASED IPIS SYSTEM ITEMS				
1	Supply of Central Data Controlleres per RDSO's Specification No. RDSO/SPN/TC/108/2019, Ver,- 0.0 or latest This includes Two CPUs, Software, UPS, Rack, CDS, KVM Switch, Monitor, Speaker, Microphone etc. (All these equipments to be provided should be of Industrial Grade)	Set	1.00		
2	Supply of Platform Data Controller (PDC) as per as per RDSO's Specification	No.	4.00		

	No.RDSO/SPN/TC/108/2019,Ver-D.0 or latest				
3	Supply of LED based Single faced Five line Train arrival/departure display board as per RDSO's Specification No. RDSO/SPN/TC/108/2019. Ver.-0.0 or latest. Suitable clamping arrangement and all consumable materials including steel frame to be supplied by the contractor.	No.	2.00		
4	Supply of LED based Single line double faced Train arrival/departure display board (Platform display board) as per RDSO's Specification No. ADSO/SPN/TC/108/2019, Ver.-0.0 or latest Suitable clamping arrangement and all consumable materials including steel frame to be supplied by the contractor.	No.	6.00		
5	Supply of LED based Single faced At a Glance display board as per RDSO's Specification No. RDSO/SPN/TC/108/2019, Ver-0.0 or latest. Suitable clamping arrangement and all consumable materials Including steel frame to be supplied by the contractor	No.	6.00		
6	Supply of LED based Double faced Coach Guidance Display Board complete with accessories (i.e.pole, clamps etc) as per RDSO's Specification no.RDSO/SPN/TC/108/2019, Ver.-0.0 or latest.	No.	72.00		
7	Supply of 1 KVA UPS (Online) as per TS	Nos	8.00		
8	Supply of Remote Monitoring System with NMS as per RDSO's Specification no.RDSO/SPN/TC/108/2019, Ver.-0.0 or latest.	No.	1.00		
9	Supply of power cable 2.5 Sqmm 3 core as per RDSO's Specification No. RDSO/SPN/TC/108/2019, Ver. 0.0 or latest.	M	4000.00		

10	2" PVC conduit pipe/Casing capping superior quality with 131 9 mark. As per IS 9537	M	4000.00		
11	Supply of Two Zone Amplifier (AHUJA Make) Model No-TZA 4000 DP AC/DC operated or similar from Philips/Bose Make.	No.	2.00		
12	Twin Core TRS wire size 3/0.29 mm copper conductor.	M	3000.00		
13	Supply of Encapsulated type Plus-B(as per VDE 0675-6 OR CLASS-1 as per IEC 61643-1), lightening current arrestors and class C (as per VDE 0675-6 OR CLASS-II as per IEC 61643-1). Surge arrestors with in build thermal isolating device suitable for single phase power supply in TT network as per VDE 100-534 arrestors approved by RDSO and as per technical specification.	No.	1.00		
14	Supply of Armoured Optical fiber cable (6 core), SMF, 9/125um outdoor cable (Make- Hensen D-Link, Molex or similar)	M	1500.00		
15	Supply of Shielded twisted pair CAT-6 cable 24AWG 100Mhz Armoured	M	3000.00		
16	Supply and Installation of CAT6 UTP Patch Cord 7'(ft)	NO.	50.00		
17	Supply of 50/42 mm OD PLB HDPE telecom ducts for use of OFC as per TEC specification : GR /CDS-08/02, Nov 2004 or latest.	KM	3.00		
18	"Supply and Installation of Media Converter for working a distance up to 15 KM or more. As per rdso spec no: RDSO/SPN/TC/103/2013 REV.0 Amendment No .1(with latest amendment) .Model : MROTEK SMAT or superior, Make : MROTEK or similar"	pair	20.00		
19	Supply of True colour MLDB (Outdoor Video display (OVD) 6 Line for Train Arrival departureDisplay Board (TADDB)No. RDSO/SPN/TC/ 108/2019, Ver.-0.0.	Nos	1.00		

20	Supply of True colour MLDB (Indoor Video display (IVD) 6 Line for Train Arrival departure Display Board (TADDB) No. RDSO/SPN/TC/108/2019, Ver.-0.0.	Nos	1.00		
Provision of Video Wall at Sairang Station					
21	Supply of 55 inch Full HD LED Video wall display panels as per TS	Nos	4.00		
22	Supply of Video wall bracket as per Technical Specification	Nos	4.00		
23	Supply of HD Base- T Lite 70 Mtrs HDMI extender set over single CAT-6 or similar as per TS	Nos	4.00		
24	Supply of 2 mtrs long HDMI cable of good quality as per TS	Nos	6.00		
25	Supply of 5 mtrs long HDMI cable of good quality as per TS	Nos	8.00		
26	Supply of 8 port 4K HDMI splitter or similar as per TS	Nos	2.00		
27	Supply of 5 KVA on line UPS system suitable for single phase AC, Floor Mounted lypc as per TS	Nos	1.00		
28	Supply and installation of 55 inch Screen size digital signage cum mobile charging kiosk have body weight of 80 inch X 27 inch with NF railway logo upper side, two power strip tray having 4 Nos of 5 Amps Sockets in each tray for mobile charging including client as per Technical specification	Nos	2.00		
29	Software for Digital signage system as per TS	Job	1.00		
30	Supply of 6U Rack supply (Power Strip 5 Amps 6 Points, Cooling fan) & One Tray With Installation as per TS	Nos	8.00		
31	Desktop Thin Client with 4 GB RAM as per technical specification. Make: Breeze Innovations.	Nos	9.00		
32	DOT MATRIX Printer both for PRS and UTS with power cord as per Technical specification.	Nos	9.00		
33	Printer Switch with Power Cord as per Technical Specification	Nos	9.00		

34	Supply of Smart Industrial Grade TV (55" LED TV/LFD) as per RDSO's Specification no.RDSO/SPN/TC/108/2019, Ver.-0.0 or latest. This item includes installation and all fittings materials to be supplied by the contractor.	No.	6.00		
35	Supply of software for display of above mentioned Professional 55" LED based Full HD LFD (Large format display) type VDU.The software should support all type of display matters as per requirement of Railway including Train Information and Coach Information as per TS	Job	1.00		
36	Supply of interface units to drive Professional 55" LED based Full HD LFD (Large format display) type VDU with required client software and VGA/HDMI Splitter housing/4 Port Switch along with hanging of Professional 49" LED based Full HD LFD (Large format display) type VDU as per TS	Nos	1.00		
37	Supply & Installation of cabinet (for protection of LFD) with hanging arrangement on suitable Bracket to install 01 No of Professional 55" LED based Full HD LFD (Large format display) type VDU as per TS	Nos	6.00		
38	Supply of Computer/Workstation Service Terminal as per TS	Set	1.00		
Total of Schdeule E					
Grand Total (A+B+C+D+E)					

Note: -

- All the above price would be in INR only.
- The above price would include One Years Warranty Support.
- The bidder has to compulsorily quote for all items mentioned in the Commercial-bidTables. In case bidder fails to quote for any of this stage, the bid would be summarilyrejected.
- Above is indicative, however the quantity may increase or decrease at the time of placing the purchase order as per actual.

- Tenderer shall quote rates inclusive of Taxes, but there should be break up of basic price and all type of applicable taxes and GST in a separate sheet (to be uploaded with Price-Bid)
- The bidder is expected to submit a separate sheet, which includes the details of taxapplicable for each component of the SOR, the breakup of price for each item of SOR in terms of Basic Unit Price, GST, Excise duty, Sales Tax, Freight, Forwarding,Packing, Insurance and any other Statuary Taxes/Levies/Charges already paid or payable by the supplier shall also be quoted separately.
- Detailed item description and its specification may be referred from CoR Tender as:

Tender Ref. No.	DYCSTE_C_LMG_2023_15_09_R
Date of floating	14/09/2023
Floated on portal	www.ireps.gov.in
