

RAILTEL CORPORATION OF INDIA LIMITED
(A Govt. of India Undertaking)

**Expression of Interest for Selection of Partner from Empanelled Business Associate for
Western Railway, Tender No. SnT_C_BRC_134_2024_25Tele, Dated 08-02-2025 and
associated Corrigendum(s)/Addendum(s)**

For

Supply and installation, testing of materials, trenching, laying and other related works as
per the referred tender document for PA system in all station in Vadodara Division of
Western Railway.

EOI No: RCIL/WR/MUMBAI/MKTG/24-25/013, Dated: February 27th, 2025

Western Railway Microwave Complex, Senapati Bapat Marg, Mahalaxmi, Mumbai-400013

EOI NOTICE
RailTel Corporation of India Ltd,
Western Railway Microwave Complex, Senapati Bapat Marg,
Mahalaxmi, Mumbai – 400013.

EOI Notice No: RCIL/WR/MUMBAI/MKTG/24-25/013,

Dated: 27/Feb/2025

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 the Work “Supply and installation, testing of materials, trenching, laying and other related works as per the referred tender document for PA system in all station in Vadodara Division of Western Railway.”

The details are as under:

1	Last date for submission of EOI bid Packet against EOIs by bidders	04-03-2025 at 10:00 Hours
2	Opening of Bid of EOIs	04-03-2025 at 12:00 Hours
3	Number of copies to be submitted for scope of work	One
4	EOI fees inclusive tax (Non-refundable)	11800/- (Incl. of Tax)
5	EOI EMD for Pre-Bid Arrangement	5,84,531.16/-

The EMD should be in the Favor of RailTel Corporation of India Limited payable at Mumbai through online bank transfer or through Bank Guarantee. Partner needs to share the online payment transfer details like UTR No, date of payment and if submitted as Bank Guarantee then original hard Copy is to be submitted to the below mentioned officers along with the proposal.

RailTel Bank Details: Union Bank of India, Account No. 317801010036605, IFSC Code - UBIN0531782, Mahalaxmi Branch.

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

1. Level 1

Contact Name : Mr. Saish Sankhe

Designation : Deputy Manager/ Marketing

E-Mail Address : saish.sankhe@railtelindia.com

Mobile No : +91- 8999292981

2. Level 2

Contact Name : Ms. Richa Ratna

Designation : Assistant General Manager/ Marketing

E-Mail Address : richa_ratna@railtelindia.com

Mobile No : +91- 9004444163

Note:

1. Empanelled partners are required to submit soft copy of password protected EOID bid packet through an e-mail at eoι.wr@railtelindia.com duly signed by Authorized Signatories with Company seal and stamp.
2. The EOI response is invited from eligible **Empanelled Partners of RailTel only**.
3. All the documents must be submitted with **proper indexing** and **page no**.
4. This is an **exclusive pre-RFP partnership arrangement with empanelled business associate of RailTel for participating in the end customer RFP**. Selected partner's authorized signatory must 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 must be given with this EOI Response.
5. Partner can submit their response as an individual organization. Consortium is not permitted. The Bidder must be an empanelled partner of RailTel.
6. **Transfer and Sub-letting**. The Business Associate has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contractor 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.

1. Introduction about RailTel

RailTel Corporation of India Limited (RailTel), is a “NavRatna” Government of India undertaking under the Ministry of Railways. The Corporation was formed in September 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 subsidiary of Indian Railways.

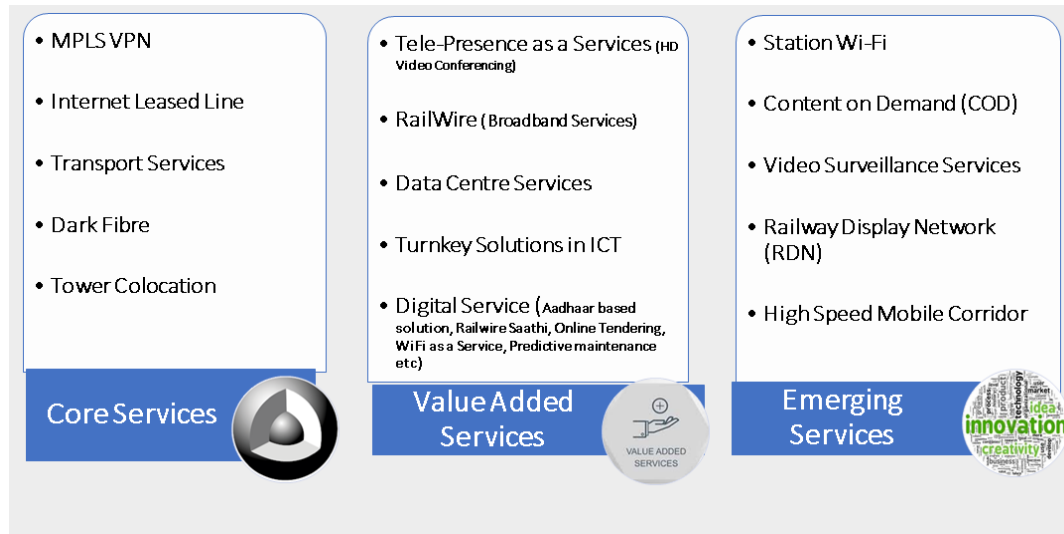
RailTel has approximately 80000+ kms of OFC along the protected Railway tracks. The transport network is built on high capacity DWDM and an IP/ MPLS network over it to support mission critical communication requirements of Indian Railways and other customers. RailTel has Tier-III Data Center in Gurgaon 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:



a) Carrier Services

- 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

b) 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

c) DATA CENTER

- **Infrastructure as a service (IaaS), Hosting as Services, Security operation Centre as a Service (SOCaaS):** RailTel has MeitY empaneled 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.

d) 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

e) 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.

f) 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. 4,68,000 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 Tender floated by end Customer organization for “Supply and installation, testing of materials, trenching, laying and other related work as per the tender document for PA system in all station in Vadodara Division of Western Railway.”

RailTel invites EOIs from RailTel’s Empanelled Partners for the selection of suitable partner for participating in above mentioned work for the agreed scope work. The empanelled 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 end Customer organization Tender for “Supply and installation, testing of materials, trenching, laying and other related work as per the tender document for PA system in all station in Vadodara Division of Western Railway., and associated corrigendum(s)/addendum(s).

In case of any discrepancy or ambiguity in any clause / specification pertaining to scope of work area, the RFP and corrigendum/addendum 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 some 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 (file should not exceed 20 Mbps).

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 date Bid submission date issued by the end Customer organization for which bid is going to submit.

4.5 Bid Earnest Money (EMD) -

4.5.1 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.

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

4.5.3 In case if offer is selected for bidding, the partner has to furnish Earnest Money Deposit (for balance amount as mentioned in the customer’s Bid and EoI notice as applicable) for the bid to RailTel. The selected Business Associate shall have to submit EMD to RailTel before submission of bid to end customer as applicable.

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

4.5.5 **Return of EMD for successful Business Associate:** EOI-EMD & Earnest Money Deposit (balance EMD) if applicable and Integrity Pact 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. 4.6) from Business Associate whichever is later.

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

4.5.6.1 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.

4.5.6.2 In case of non-submission of SD/PBG (as per clause no. 4.6) lead to forfeiture of EOI EMD, EMD (balance proportionate EMD) if applicable and Integrity Pact and or suitable action as prescribed in the EMD Declaration shall be initiated as applicable.

4.5.7 Having participated with another party/consortium apart from RailTel in RailTel's end customer Tender

4.6 Security Deposit / Performance Bank Guarantee (PBG)

4.6.1 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.

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

4.7 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.

4.8 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.

4.9 Details of Financial bid for the above referred tender -

Business Associate meeting eligibility criteria and clearing the technical evaluation will be selected for exclusive pre-bid arrangement for optimizing technical and commercial solution so that most winnable solution is submitted to end customer.

In case if there are Two or more Business Associate meeting eligibility criteria and clearing technical evaluation criteria, then price bid will be sought from these Sole partner/ consortiums in the second stage for the given scope of the work and Sole partner/ consortium with overall lowest (L1) offer will be selected for exclusive pre bid arrangement for optimizing technical and commercial solution.

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

4.10 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.

4.11 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 :-

6.

S No	Particulars	Criteria for Tender Package
		(Mandatory Compliance & Document Submission)
A)	Financial Conditions	
i)	Sole participating partner 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
ii)	Sole Participating partner should have cumulative turnover of at least INR30 Cr. In last three (3) financial years.	Turnover Certificate issued by the Chartered Accountant for sole partner. Certificate should contain UDIN no. issued by ICAI
iii)	All participants should also have a positive net worth & be profitable in each of the last three (3) financial years.	Positive Net Worth and Profitability Certificate issued by the CA for the last three financial years. The certificate should contain UDIN no. issued by ICAI.
B)	Technical Eligibility Criteria:	
iv)	<p>The participant must have successfully completed at least one work similar to work proposed in the tender in last 05 (five) years, ending last day of month previous to the one in which tender is invited, costing not less than 35% value of work mentioned in this EOI.</p> <p>One similar work each costing not less than the amount equal to 35% of advertised value of this EOI. Similar work means:</p> <p><i>"Supply, Installation, testing and commissioning of OFC and /or "Quad cable" /Telecom cable work including trenching, laying / blowing, jointing of such cables with SDH network and NMS, Railway Control Communication system. OR OEM. OEM should have completed any kind of work executed in Railway including AMC given as work contract"</i></p>	PO Copies along with client's Certificate and performance certificate.
v)	Certifications: 1) ISO 9001:2015	Copies of Certificates (priority will be given to higher level of certifications)

Bidder's Profile

The bidder shall provide the information in the below table:

S. 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 emailAddress	

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 references 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	
8.	PAN 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 qualifying the Eligibility criteria will be selected for exclusive pre-bid arrangement for optimizing technical and commercial solution so that most winnable solution is submitted to end customer.

7.3 In case if there are two or more Sole partner meeting eligibility criteria then the price bids will be sought from these Sole partners in the second stage for the given scope of the work and Sole partner with overall lowest (L1) offer will be selected for exclusive pre bid arrangement for optimizing technical and commercial solution.

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.

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

8 Withdrawal of Bids

A Bidder wishing to withdraw its bid shall notify to RailTel by e-mail prior to the deadline prescribed for bid submission. The notice of withdrawal shall be addressed to RailTel at the address named in the Bid Data Sheet, and bear the Contract name, the <Title> and < Bid No.>, and the words “Bid Withdrawal Notice.” Bid withdrawal notices received after the bid submission deadline will be ignored, and the submitted bid will be deemed to be a valid submitted bid.

No bid can be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period specified in the Bid Data Sheet. Withdrawal of a bid during this interval may result in the forfeiture of the Bidder’s EMD.

9 Evaluation Process

The evaluation process of the bid proposed to be adopted by RailTel is indicated in this section. The purpose of this section is to provide the Bidder an idea of the evaluation process that RailTel may adopt.

RailTel shall appoint a Bid Management Committee (BMC) to scrutinize and evaluate the technical and commercial bids received. The BMC will examine the Bids to determine whether they are complete, responsive and whether the bid format conforms to the bid requirements. RailTel may waive any informality or non-conformity in a bid which does not constitute a material deviation according to RailTel.

The bid prices should not be mentioned in any part of the bid other than the Commercial Bid. Any attempt by a bidder to influence the bid evaluation process may result in the rejection of Bid and forfeiture of EMD.

10 Performance Bank Guarantee

The Bidder shall at his own expense, deposit with RailTel, an unconditional and irrevocable Performance Bank Guarantee (PBG) from nationalized banks as per the format given in this bid, payable on demand, for the due performance and fulfilment of the contract by the Bidder.

This Performance Bank Guarantee will be submitted within 30 days of the notification of award of the contract/ Letter of Acceptance (LOA) issuance whichever is earlier. If PBG is not submitted within this time frame a delayed PBG penalty will be attracted. Post 30 days and upto 60 days from date of notification of award of the contract/ Letter of Acceptance (LOA) issuance a penalty at 15% per annum interest of LOA amount will be levied as delayed PBG penalty and this penalty will be deducted from the Invoices & EMD of the Bidder. After these 60 days if PBG is not submitted then it will be assumed that the Bidder is not interested in submitting PBG and the Amount of PBG along with the delayed PBG penalty calculated will be retained from Invoices & EMD of the Bidder. Non submission of PBG can also lead to cancellation of contract and the decision with respect to whether, to retain the PBG Amount and penalty from Invoices & EMD or cancellation of contract, will be at the sole discretion of RailTel. In the event of cancellation of contract EMD will be forfeited. If PBG is retained from Invoices & EMD then the PBG Amount only and not the penalty attracted will be paid to the Bidder in such a case post the contract period plus three months (expected PBG validity date) are over after deducting any applicable deductions (eg: Poor service, etc).

This Performance Bank Guarantee will be for an amount equivalent to 3% of the total contract value. All charges whatsoever such as premium, commission, etc. with respect to the Performance Bank Guarantee shall be borne by the Bidder. The Performance Bank Guarantee format can be found in this document.

The Performance Bank Guarantee may be discharged/ returned by RailTel upon being satisfied that there has been due performance of the obligations of the Bidder under the contract. However, no interest shall be payable on the Performance Bank Guarantee.

In the event of the Bidder being unable to service the contract for whatever reason, RailTel would invoke the PBG. 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 Bidder's failure to complete its obligations under the Contract. RailTel shall notify the Bidder in writing of the exercise of its right to receive such compensation within 30 days, indicating the contractual obligation(s) for which the Bidder is in default.

The 30 days' notice period shall be considered as the 'Cure Period' to facilitate the Implementation Agency to cure the breach. The PBG shall be invoked only if the breach is solely attributable to the bidder and the bidder fails to rectify the breach within the 'Cure Period'.

RailTel shall also be entitled to make recoveries from the Bidder's bills, performance bank guarantee, or from any other amount due to the Bidder, the equivalent value of any payment made to the Bidder due to inadvertence, error, collusion, misconstruction or misstatement.

11 Rights to Terminate the Process

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

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

12. Payment terms

- 8.1 RailTel shall make payment to selected Business Associate after receiving payment from Customer for the agreed scope of work. In case of any penalty or deduction made by customer for the portion of work to be done by BA, same shall be passed on to Business Associate.
- 8.2 All payments by RailTel to the Partner will be made after the receipt of payment by RailTel from end customer organization and upon submission of correct Tax Invoices as per statutory norms.
- 8.3 The Payments received from end customer will be disbursed scope wise to the selected BA. The BA selected for a particular scope will receive payments once end customer releases payments for the specific part

13 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 based on its scope of work.

14. Other terms & Conditions

Any other terms & conditions in relation to SLA, Payments, PBG etc., will be as per end customer RFP.

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

COVERING LETTER (To be on company letter head)

EoI Reference No: _____ Date: _____

To,

RailTel Corporation of India Ltd.
Western Railway Microwave complex,
Senapati Bapat Marg, Mahalaxmi, Mumbai – 400013

Dear Sir / Ma'am,

SUB: Participation in the EoI process

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

If our application is accepted, we undertake to abide by all the terms and conditions mentioned in the 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 Signatory Name:

Designation:

Signature:

Seal of the Organization:

Annexure 2: Format for Self-Certificate & Undertaking

Self-Certificate (To be on company letter head)

EoI Reference No: _____ Date: _____

To,

RailTel Corporation of India Ltd.
Western Railway Microwave complex,
Senapati Bapat Marg, Mahalaxmi, Mumbai – 400013

Dear Sir / Ma'am,

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 a sole partner/lead partner in case of 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/lead partner in case of 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, Pre-Contract Integrity Pact 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:

Signature:

Seal of the Organization:

Annexure 3: Undertaking for not Being Blacklisted/Debarred

EoI Reference No: _____ Date: _____

To,

RailTel Corporation of India Ltd.
Western Railway Microwave complex,
Senapati Bapat Marg, Mahalaxmi, Mumbai – 400013

Dear Sir / Ma'am,

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.

Authorized Signatory Name:

Designation:

Signature:

Seal of the Organization:

Annexure 4: Format of Affidavit

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

(To be executed in presence of public notary on non-judicial stamp paper of the value of Rs. 500/-. 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. _____ Dt. _____ 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.railtelindia.com. I/we have verified the content of the document from the website and there is no addition, no deletion or no alternation to be content of the EOI document. In case of any discrepancy noticed at any stage i.e. evaluation of EOI, execution of work or final payment of the contract, the master copy available with the RailTel Administration shall be final and binding upon me/us.
4. I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements, and attachments in proof of the qualification requirements.
5. I/we also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6. I/we declare that the information and documents submitted along with the EOI by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7. I/we undersigned that if the certificates regarding eligibility criteria submitted by us are found to be forged/false or incorrect at any time during process for evaluation of EOI, it shall lead to forfeiture of the EOI EMD besides banning of business for five years on entire RailTel. Further, I/we (insert name of the BA) * and all my/our constituents understand that my/our constituents understand that my/our offer shall be summarily rejected.
8. I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of EMD/SD and Performance guarantee besides any other action provided in the contract including banning of business for five years on entire RailTel.

DEPONENT

SEAL AND SIGNATURE OF THE BA

VERIFICATION

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

DEPONENT

SEAL AND SIGNATURE OF THE ADVOCATE

Place:

Dated:

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

Annexure 5: Draft Non-Disclosure Agreement

(To be submitted on a Rs. 100 Stamp Paper)

This Non-Disclosure Agreement (“Non-Disc”) is made and entered into _____ day of _____ month _____ year (effective date) by and between _____ (“Department”) and _____ (“Company”). Whereas, Department and Company have entered into an Agreement (“Agreement”) _____ effective _____ for _____ and

Whereas, each party desires to disclose to the other party certain information in oral or written form which is proprietary and confidential to the disclosing party, (“CONFIDENTIAL INFORMATION”).

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements contained herein, the parties agree as follows:

1. Definitions. As used herein:

- a. The term “Confidential Information” shall include, without limitation, all information and materials, furnished by either Party to the other in connection with citizen/users/persons/customers data, products and/or services, including information transmitted in writing, orally, visually, (e.g. video terminal display) or on magnetic or optical media, and including all proprietary information, customer and prospect lists, trade secrets, trade names or proposed trade names, methods and procedures of operation, commercial or marketing plans, licensed document know-how, ideas, concepts, designs, drawings, flow charts, diagrams, quality manuals, checklists, guidelines, processes, formulae, source code materials, specifications, programs, software packages, codes and other intellectual property relating to the disclosing party’s data, computer database, products and/or services. Results of any tests, sample surveys, analytics, data mining exercises or usages etc. carried out by the receiving party in connection with the Department’s information including citizen/users/persons/customers personal or sensitive personal information as defined under any law for the time being in force shall also be considered Confidential Information.
- b. The term, “Department” shall include the officers, employees, agents, consultants, contractors and representatives of Department.
- c. The term, “Company” shall include the directors, officers, employees, agents, consultants, contractors and representatives of Company, including its applicable affiliates and subsidiary companies.

2. Protection of Confidential Information: With respect to any Confidential Information

disclosed to it or to which it has access, Company affirms that it shall:

- a. Use the Confidential Information as necessary only in connection with Project and in accordance with the terms and conditions contained herein;
- b. Maintain the Confidential Information in strict confidence and take all reasonable steps to enforce the confidentiality obligations imposed hereunder, but in no event take less care with the Confidential Information than the parties take to protect the confidentiality of its own proprietary and confidential information and that of its clients;
- c. Not to make or retain copy of any commercial or marketing plans, citizen/users/persons/customers database, Bids developed by or originating from Department or any of the prospective clients of Department except as necessary, under prior written intimation from Department, in connection with the Project, and ensure that any such copy is immediately returned to Department even without express demand from Department to do so;
- d. Not disclose or in any way assist or permit the disclosure of any Confidential Information to any other person or entity without the express written consent of the other party; and
- e. Return to the other party, or destroy, at Department’s discretion, any and all Confidential Information

disclosed in a printed form or other permanent record, or in any other tangible form (including without limitation, all copies, notes, extracts, analyses, studies, summaries, records and reproductions thereof) immediately upon the earlier to occur of (i) expiration or termination of either party's engagement in the Project, or
(ii) the request of the other party therefore.

- f. Not to discuss with any member of public, media, press, any or any other person about the nature of arrangement entered between Department and Company or the nature of services to be provided by the Company to the Department.

3. Onus. Company shall have the burden of proving that any disclosure or use inconsistent with the terms and conditions hereof falls within any of the foregoing exceptions.

4. Exceptions. These restrictions as enumerated in section 1 of this Agreement shall not apply to any Confidential Information:

- a. Which is independently developed by Company or lawfully received from another source free of restriction and without breach of this Agreement; or
- b. After it has become generally available to the public without breach of this Agreement by Company; or
- c. Which at the time of disclosure to Company was known to such party free of restriction and evidenced by documentation in such party's possession; or
- d. Which Department agrees in writing is free of such restrictions.
- e. Which is received from a third party not subject to the obligation of confidentiality with respect to such Information;

5. Remedies. Company acknowledges that

- (a) any actual or threatened disclosure or use of the Confidential Information by Company would be a breach of this agreement and may cause immediate and irreparable harm to Department;
- (b) Company affirms that damages from such disclosure or use by it may be impossible to measure accurately; and
- (c) injury sustained by Department may be impossible to calculate and remedy fully. Therefore, Company acknowledges that in the event of such a breach, Department shall be entitled to specific performance by Company of Company's obligations contained in this Agreement. In addition, Company shall indemnify Department of the actual and liquidated damages which may be demanded by Department. Moreover, Department shall be entitled to recover all costs (including reasonable attorneys' fees) which it or they may incur in connection with defending its interests and enforcement of legal rights arising due to a breach of this agreement by Company.

6. Need to Know. Company shall restrict disclosure of such Confidential Information to its employees and/or consultants with a need to know (and advise such employees of the obligations assumed herein), shall use the Confidential Information only for the purposes set forth in the Agreement, and shall not disclose such Confidential Information to any affiliates, subsidiaries, associates and/or third party without prior written approval of the disclosing party.

7. Intellectual Property Rights Protection. No license to a party, under any trademark, patent, copyright, design right, mask work protection right, or any other intellectual property right is either granted or implied by the conveying of Confidential Information to such party.

8. No Conflict. The parties represent and warrant that the performance of its obligations hereunder do not and shall not conflict with any other agreement or obligation of the respective parties to which they are a party or by which the respective parties are bound.

9. Authority. The parties represent and warrant that they have all necessary authority and power to enter into

this Agreement and perform their obligations hereunder.

- 10. Dispute Resolution.** If any difference or dispute arises between the Department and the Company in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement, any such dispute shall be referred appropriately to RailTel/ stakeholders/ partners/ patrons
- The arbitration proceedings shall be conducted in accordance with the (Indian) Arbitration and Conciliation Act, 1996 and amendments thereof.
 - The place of arbitration shall be Mumbai.
 - The arbitrator's award shall be substantiated in writing and binding on the parties.
 - The proceedings of arbitration shall be conducted in English language.
 - The arbitration proceedings shall be completed within a period of 180 days from the date of reference of the dispute to arbitration.
- 11. Governing Law.** This Agreement shall be interpreted in accordance with and governed by the substantive and procedural laws of India and the parties hereby consent to the exclusive jurisdiction of Courts and/or Forums situated at Mumbai, India only.
- 12. Entire Agreement.** This Agreement constitutes the entire understanding and agreement of the parties, and supersedes all previous or contemporaneous agreement or communications, both oral and written, representations and under standings among the parties with respect to the subject matter hereof.
- 13. Amendments.** No amendment, modification and/or discharge of this Agreement shall be valid or binding on the parties unless made in writing and signed on behalf of each of the parties by their respective duly authorized officers or representatives.
- 14. Binding Agreement.** This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and permitted assigns.
- 15. Severability.** It is the intent of the parties that in case any one or more of the provisions contained in this Agreement shall be held to be invalid or unenforceable in any respect, such provision shall be modified to the extent necessary to render it, as modified, valid and enforceable under applicable laws, and such invalidity or unenforceability shall not affect the other provisions of this Agreement.
- 16. Waiver.** If either party should waive any breach of any provision of this Agreement, it shall not thereby be deemed to have waived any preceding or succeeding breach of the same or any other provision hereof.
- 17. Survival.** Both parties agree that all of their obligations undertaken herein with respect to Confidential Information received pursuant to this Agreement shall survive till perpetuity even after any expiration or termination of this Agreement.
- 18. Non-solicitation.** During the term of this Agreement and thereafter for a further period of two (2) years Company shall not solicit or attempt to solicit Department's employees and/or consultants, for the purpose of hiring/contract or to proceed to conduct operations/business similar to Department with any employee and/or consultant of the Department who has knowledge of the Confidential Information, without the prior written consent of Department. This section will survive irrespective of the fact whether there exists a commercial relationship between Company and Department.
- 19. Term.** Subject to aforesaid section 17, this Agreement shall remain valid up to _____ years from the "effective date".

IN WITNESS HEREOF, and intending to be legally bound, the parties have executed this Agreement to make it effective from the date and year first written above.

For Department

Name:

Title:

WITNESSES:

- 1. _____

- 2. _____

For Company

Name:

Title:

WITNESSES:

- 1. _____

- 2. _____

Annexure 6: Integrity Pact

(To be executed on Rs. 500/- Stamp Paper)

EoI Number: _____ Dated: _____

This Integrity Pact is made at on this _____ Day of _____ 2022

BETWEEN

RailTel Corporation of India Ltd (a Govt of India Enterprise under Ministry of Railways) having its registered office at Plate-A, 6th Floor, Office Block Tower-2, East Kidwai Nagar, New Delhi-110023 and Regional Office at Western Railway Microwave Complex, Senapati Bapat Marg, Mahalaxmi, Mumbai – 400013, hereinafter referred to as “The Principal”, which expression shall unless repugnant to the meaning or contract thereof include its successors and permitted assigns

AND

<Bidder Name> having its registered office at <Bidders Registered and Branch Address (if any)> hereinafter referred to as “The Bidder/ Contractor/ Concessionaire/ Consultant” and which expression shall unless repugnant to be meaning or context thereof include its successors and permitted assigns.

Preamble

Whereas, the Principal intends to award, under laid down organizational procedures contract/s Design, Planning, Supply, installation, fixing, configuration, integration and commissioning of IP-MPLS (Internet Protocol- Multi Protocol label Switching) routers and associated equipment’s at Bilaspur, Raipur and Nagpur division of South East Central Railway. The Principal values full compliance with all relevant laws of the land, rules of land, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s) and for Contractor(s)/Concessionaire(s)/Consultant(s).

And whereas in order to achieve these goals, the principal will appoint an independent external Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

And whereas to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact (hereafter referred to as Integrity Pact) the terms and conditions of which shall also be read as integral part and parcel of the Tender documents and contract between the parties. Now, therefore, in consideration of mutual covenants stipulated in this pact, the parties hereby agree as follows and this pact witnesseth as under: -

Article – 1: Commitments of the Principal

1. The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principle: -
 - a. No employee of the principal, personally or through family members, will in connection with the Tender for, or the execution of a contract, demand take a promise for or accept for self or third person any material or immaterial benefit which the person is not legally entitled to.
 - b. The principal will, during the tender process treat all Bidder(s) with equity and reason. The principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through

which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

- c. The principal will exclude all known prejudiced persons from the process.
2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act or any other Statutory Acts or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions as per its internal laid down Rules/ Regulations.

Article – 2: Commitments of the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s)

The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- a. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principals employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- b. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission or bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- c. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not commit any offence under the relevant IPC / PC. Act and other Statutory Acts; further the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not use improperly for purposes of completion or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) of foreign origin shall disclose the name and address of the Agents/ representatives in India. If any similarly the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) of Indian Nationality shall furnish the name and address of the foreign principle, if any. Further details as mentioned in the ‘Guidelines on Indian Agents of Foreign Suppliers’ shall be disclosed by the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s). Further, all the payments made to the Indian Agent /Representative have to be Indian Rupees only.
- e. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract. He shall also disclose the details of services agreed upon for such payments.
- f. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- g. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not bring any outside influence through any Govt. bodies/quarters directly or indirectly on the bidding process in furtherance of his bid.

- h. The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) who have signed a Integrity pact shall not approach the court while representing the matter to IEMs and shall wait for their decision in the matter.

Article – 3: Disqualification from tender process and exclusion from future contracts

1. If the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) before award or during execution has committed a transgression through a violation of any provision of Article- 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) from the tender process.
2. If the Bidder/Contractor/Concessionaire/Consultant has committed a transgression through a violation of Article-2 such as to put his reliability or credibility into question, the Principal shall be entitled to exclude including blacklist and put on holiday the Bidder/Contractor/Concessionaire/Consultant for any future tenders/contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case particularly taking into account the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder/Contractor/Concessionaire/Consultant and the amount of the damage. The exclusion will be imposed for a maximum of 1 year.
3. A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that “On the basis of facts available there are no material doubts”.
4. The Bidder/ Contractor/Concessionaire/Consultant will its free consent and without any influence agrees and undertakes to respect and uphold the Principal’s absolute rights to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
5. The decision of the Principal to the effect that a breach of the provisions of this Integrity Pact has been committed by the Bidder/ Contractor/Concessionaire/Consultant shall be final and binding on the Bidder/ Contractor/Concessionaire/Consultant, however, the Bidder/ Contractor/ Concessionaire/ Consultant can approach IEM(s) appointed for the purpose of this Pact.
6. On occurrence of any sanctions/ disqualification etc. arising out from violation of integrity pact, Bidder/ Contractor/Concessionaire/Consultant shall not be entitled for any compensation on this account.
7. Subject to full satisfaction of the Principal, the exclusion of the Bidder/Contractor/Concessionaire/Consultant could be revoked by the Principal if the Bidder/ Contractor/Concessionaire/Consultant can prove that he has restored/recouped the damage caused by him and has installed a suitable corruption prevention system in his organization.

Article – 4: Compensation for Damages

1. If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Article-3, the Principal shall be entitled to forfeit the Earnest Money Deposit/ Bid Security or demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security apart from any other legal right that may have accrued to the Principal.
2. In addition to above, the Principal shall be entitled to take recourse to the relevant provisions of the contract related to Termination of Contract due to Contractor/Concessionaire/Consultant’s Default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor/ Concessionaire/ Consultant and/or demand and recover liquidated and all damages as per the provisions of the contract/Concession agreement against Termination.

Article – 5: Previous Transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years immediately before signing of this integrity pact with any other Company in any country conforming to the anticorruption/Transparency International (TI) approach or with any other Public Sector Enterprise/Undertaking in India or any Government Department in India that could justify his exclusion from the Tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Article-3 above for transgression of Article-2 and shall be liable for compensation for damages as per Article-4 above.

Article – 6: Equal treatment of all Bidders/ Contractors/ Concessionaires/ Consultants/ Subcontractors

1. The Bidder(s)/Contractor(s)/Concessionaire(s)/Consultant(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this integrity Pact, and to submit it to the Principal before contract signing.
2. The Principal will enter into agreements with identical conditions as this one with all Bidders/Contractors/Concessionaire/Consultant and Subcontractors.
3. The Principal will disqualify from the Tender process all Bidders who do not sign this Pact violate its provisions.

Article – 7: Criminal charges against violating Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s)/ Sub-contractor(s)

If the Principal obtains knowledge of conduct of a Bidder/ Contractor/ Concessionaire/ Consultant or Subcontractor, or of an employee or a representative or an associate of a Bidder/ Contractor/ Concessionaire/ Consultant or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Article – 8: Independent External Monitor (IEM)

1. The Principal appoints competent and credible Independent External Monitor for this Pact after approval from Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, RailTel.
3. The Bidder/Contractor/Concessionaire/Consultant accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Bidder/ Contractor/ Concessionaire/ Consultant. The Bidder/ Contractor/ Concessionaire/ Consultant will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his Project documentation. The same is applicable to Subcontractors.
4. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractors(s) with confidentiality. The Monitor has also signed on 'Non-disclosure of Confidential Information' and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform CMD, RailTel and recuse himself/herself from that case.
5. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder/Contractor/ Concessionaire/Consultant. The parties offer to the Monitor the option to participate in such meetings.

6. As soon as the Monitor notices, or believes to notice any transgression as given in Article- 2, he may request the Management of the Principal to take corrective action, or to take relevant action. The monitor can in this regard submit non-*binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
7. The Monitor will submit a written report to the CMD, RailTel within 8-10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
8. If the Monitor has reported to the CMD, RailTel, a substantiated suspicion of an offence under relevant IPC/PC Act or any other Statutory Acts, and the CMD, RailTel has not, within the reasonable time taken visible action to proceed against such offence or reported it the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
9. The word 'Monitor' would include both singular and plural.

Article – 9: Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor/Consultant 12 months after his Defect Liability Period is over or 12 months after his last payment under the contract whichever is later and for all other unsuccessful Bidders, 6 months after this Contract has been awarded (In case of BOT projects). It expires for the concessionaire 24 months after his concession period is over and for all other unsuccessful Bidders 6 months after this Contract has been awarded. Any violation of the same would entail disqualification of the bidder and exclusion from future dealings.

If any claim is made/lodged during this time, the same shall be biding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged determined by CMD of RailTel.

Article – 10: Other Provisions

1. This pact is subject to Indian Law, Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi.
2. Changes and supplements as well as termination notices need to be made in writing.
3. If the Bidder/Contractor/Concessionaire/Consultant is a partnership or a Joint Venture partner, this pact must be signed by all partners or members.
4. Should one or several provisions of this agreement turn out to be invalid, the reminder of this agreement remains valid, in this case, the parties will strive to come to an agreement to their original intentions.
5. Issue like warranty / Guarantee etc. shall be outside the purview of IEMs.
6. In the event of any contradiction between the Integrity Pact and its Annexure, the clause in Integrity Pact shall prevail.
7. Any dispute/differences arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with this Pact or interpretation thereof shall not be subject to any Arbitration.
8. The actions stipulated in the integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

In witness whereof he parties have signed and executed this pact at the place and date first done mentioned in the presence of following witnesses:-

(For & On behalf of the (Principal)

(For & On behalf of Bidder/Contractor/
Concessionaire/Consultant)

Place:

Date:

Witness 1:

Witness 2:

Annexure 7: Complete EoI Examination & Nil Deviation Certificate

(To be submitted by Bidder and all members of consortium)

To
Deputy General Manager/ Marketing
RailTel Corporation of India Ltd
Western Railway Microwave Complex
Senapati Bapat Marg, Near Railway Sports Ground
Mahalaxmi, Mumbai – 400013

Sub: Complete EoI Examination & Nil Deviation Certificate

Ref: EoI Number: _____ Dated: _____

Dear Sir,

We <Bidder Name> having completely examined the referred EoI, its corrigendum and any other documents/its addendums/corrigendum referred in this EoI, conclude that we have understood the Terms & Conditions of the EoI and its subsequent addendums & corrigendum (if any) and any other documents/its addendums/corrigendum referred in this EoI. We declare that we have sought all clarifications for the same from RailTel or its end customer for anything contained in this EoI & any other documents/its addendums/corrigendum referred in this EoI and have been satisfied with the clarifications to the fullest extent and there are no terms, clauses, conditions, etc which are ambiguous.

We also declare that there is no deviation from adhering to anything that is contained in this EoI and any other documents/its addendums/corrigendum referred in this EoI and that any deviation later raised by us shall lead to forfeiture of the Bid/Contract at complete discretion of RailTel.

Signature of Authorized Signatory (with official seal)

Name :
Designation :
Address :
Telephone and Fax :
E-mail address :

Annexure 8: Back to Back Compliance Certificate

(To be submitted by Bidder and all members of consortium)

To
Deputy General Manager/ Marketing
RailTel Corporation of India Ltd
Western Railway Microwave Complex
Senapati Bapat Marg, Near Railway Sports Ground
Mahalaxmi, Mumbai – 400013

Sub: Complete back to back Compliance Certificate

Ref: 1) EoI Number: _____ Dated: _____

2) Tender No.85-SNT-Proj-Tender-2024, dated 18/02/2025 and all of its addendums/ corrigendum's & published documents.

Dear Sir,

Considering reference 1 & 2 we would like to declare that we have read and understood the EoI, its corrigendum and any other documents/its addendums/corrigendum referred in this EoI thoroughly. We would like to give you our back to back compliance for all the tender terms and conditions, clauses, timelines, deliverables and anything explicitly mentioned in the EoI, its corrigendum and any other documents/its addendums/corrigendum referred in this EoI.

Signature of Authorized Signatory (with official seal)

Name :

Designation :

Address :

Telephone and Fax :

E-mail address :

Annexure 9: Performance Bank Guarantee Format

(For a sum of 5% of the value of the contract as per RailTel's end customer RFP/tender)
(Stamp Duty to be confirmed by RailTel in co-ordination with RailTel's Legal Department)

Ref. No. :
Date :
Bank Guarantee No. :

To
<Insert complete postal address>

THIS INDENTURE made this <current date> day of <current Month> 2024, BETWEEN THE <Bank Name>, a Company incorporated and registered under the Indian companies act, 1913 and deemed to exist within the companies Act 1956, and governed by the Banking Regulation Act, 1949 and having its registered office at <Address>, and its corporate office at <Address>, India and having one of its Branch Office at <Mumbai Branch Office> (hereinafter referred to as "the Bank" which expression shall be deemed to includes its successors and assigns) of the first part and

<Bidders Company Name> a company incorporated under the Indian Companies Act 1956 having its Registered Office at <Address>, Corporate Office at <Address> and its Regional Office at <Mumbai Office Address> (hereinafter referred to as 'the Contractor/s') of the second part and

RailTel Corporation of India Ltd (hereinafter referred to as 'RailTel') of the third part WHEREAS the Contractor/s have submitted to RailTel EoI/Quotation for the execution of Procurement, Installation, Commissioning and Management of SDWAN for MSEDCL Field Offices up to Subdivision level vide <EoI No> Dated <Date of EoI> and the terms of such EoI/Tender/Quotation/contract require that the Contractor/s shall deposit with RailTel as the security a sum of Rs. <Amount>/- (in figures and words<in words> only Including all Taxes and contingencies and any other costs mentioned as per LOI and RailTel Terms)AND WHEREAS if and when any such EoI/Tender/Quotation is accepted by RailTel the contract to be entered into in furtherance thereof by the Contractor/s will provide that such deposit shall remain with and be appropriated by RailTel towards the security deposit to be taken under the contract and be redeemable by the Contractors/ if they shall duly and faithfully carry out the terms and provision of such contract and shall duly satisfy all claims properly chargeable against them there under AND WHEREAS the Contractor/s are constituents of the Bank and in order to facilitate the keeping of the accounts of the Contractor/s, the Bank with the consent and concurrence of the Contractor/s has requested RailTel to accept the Guarantee of the Bank hereinafter contained, in place of the Contractor/s depositing with RailTel the said sum as security as aforesaid AND WHERE AS accordingly <Bank Name>has agreed to accept claim from RailTel upon demand in writing, whenever required by him, from time to time upto <Date (contract period + 3 months)> so to do, a sum not exceeding in the whole Rs. <Amount>/- (in figures and words <in words> only incl of Tax) under the terms of the said EoI/Tender/Quotation and/ or the Contract. The Bank Guarantee is valid up to<Date (contract period + 3 months)>.

Notwithstanding anything what has been stated above, <Bank Name> liability under the above guarantee is restricted to Rs. <Amount>/- (in figures and words <in words>only incl of Tax) and guarantee shall remain in force up to <Date (contract period + 3 months)> unless the demand or claim under this guarantee is made on us and we receive in writing on or before <Date (contract period + 3 months)> all your rights under the above guarantee shall be forfeited and we shall be released from all liabilities under the guarantee thereafter whether or not the original bank guarantee is returned to us.

In witness whereof the Bank, through its authorized Officer, has set its hand and stamp on this day of 2022 at

For <Bank Name>

For<Company Name>

Authorized Signatories

EMP No. _____

Authorized Signatories

EMP No. _____

Annexure 10 Price bid as per the format of the Western Railways Tender

Annexure 11 -Corrigendum dated 15/02/2025

Corrigendum Details			
Corrigendum No	1	Corrigendum Publish Date	15/02/2025 10:38

Tender Details			
Tender No	SnT_C_BRC_134_2024_25Tele (Open Tender)	Closing Date/Time	05/03/2025 15:00
Name Of Work	Supply and installation ,testing of Material, Trenching, Laying of 48x2 OFC each side , Quad cable and blowing, splicing, jointing, termination, testing of OFC & Quad cable and indoor equipment for Control communication ,Emergency communication & LC Gate communication ,IBS, UFSBI ,Axle counter ,E1 & OFC connectivity between DABHOI-SAMLAYA -LOTANA section and GPS clock's ,IPIS for PA sytem in all station in connection with MYG-DB-SMLA gauge conversion work of Vadodara Division of Western Railway		

Items Modified			
NIT Schedule			
Code	Field Name	Existing Value	Modified Value
Schedule - A Item - 3	Item Description	Supply of G.I. Pipes 100 mm dia medium grade engraved on pipe as per spec. no. IS 1239 part I of 2004 wirh latest amnd. with sockets and fittings. (other dia. Pipes shall be supplied by Railway) (Surya, Jindal, Tata,Apollo or Asian make) -	Double Walled Corrugated (DWC) HDPE Pipe with associated collars etc. as per RDSO Specification No. RDSO/SPN/204/2011 or latest anti-rodent & anti-oxidant and non flame propagating type in 6 meters straight length with confirmation as per requirment of railway. and of size 50 mm outer dia, & 38 mm inner dia- . (The manufacturers, suppliers must produce valid IS license and should be certified under ISO 9000 and shall submit copy of certificate). One of the following coupling arrangements should also be supplied with each pipe as per the site requirement 1) Suitable snapfit coupler with rubber 'O-Ring 1) Suitable snapfit coupler with rubber 'O-Ring 3) Tees 4) Bend, 5) End-cap (The total quantity of above items is equal to no. of pipes supplied.) DWC pipe shall be marked at every 1 mtr length in such a way that manufacturer's name, vender name and year of manufacture can be easily identified

Annexure 12: BOQ

Western Railway: BRC division - DyCSTE-C-BRC-S AND T/WESTERN RLY
Tender No. SnT_C_BRC_134_2024_25Tele due on 05-Mar-2025 15:00 hrs

S.No.	Item	Item Qty	Qty Unit	Unit Rate	Escl.(%)	Amount
	Code					
SORA	Schedule () A-supply item					
1	Description:- Fire Extinguisher CO2 type (capacity 5 kg.)	6.00	Numbers	₹7,665.96	AT Par	₹45,995.76
2	Description:- Supply of Maintenance Free Earth Electrode of length 3m, including supply of 3 bags of Earth enhancement material for earthing (20KGs /bag) for each electrode & other accessories as per Drg. No. SDO / RDSO/ E&B/001 and RDSO Spec No. RDSO / SPN/197/2008 with latest Amd.	40.00	Set	₹15,047.26	AT Par	₹6,01,890.40
3	Description:- Supply of G.I. Pipes 100 mm dia medium grade engraved on pipe as per spec. no. IS 1239 part I of 2004 with latest amnd. with sockets and fittings. (other dia. Pipes shall be supplied by Railway) (Surya, Jindal, Tata,Apollo or Asian make) -	100.00	Numbers	₹391.29	AT Par	₹39,129.00
4	Description:- Supply of G.I. Pipes 100 mm dia medium grade engraved on pipe as per spec. no. IS 1239 part I of 2004 with latest amnd. with sockets and fittings. (other dia. Pipes shall be supplied by Railway) (Surya, Jindal, Tata,Apollo or Asian make) -	800	Running Metre	₹ 1,170.28	AT Par	₹9,36,224.00
5	Description:- Double Walled Corrugated (DWC) HDPE Pipe with associated collars etc. as per RDSO Specification No. RDSO/SPN/204/2011 or latest anti-rodent & anti-oxidant and non flame propagating type in 6 meters straight length and of size 120 mm outer dia,& 103.5 mm inner dia. (The manufacturers, suppliers must produce valid IS license and should be certified under ISO 9000 and shall submit copy of certificate). One of the following coupling arrangements should also be supplied with each pipe as per the site requirement.	200.00	Numbers	₹1,757.58	AT Par	₹3,51,516.00
6	Description:- Supply of SPLIT DWC pipe conforming to RDSO/SPN/204/2011 Ver-1.1 or latest RDSO Specification , Non metallic, corrugated, multiwalled, normal duty, pliable, without protection against chemical attack and Non Flame propagating in 2 meter length of size 200mm outer dia & 175 mm inner dia(Permitted tolerance in dia=+/- 2mm) (TWO Half round pipe constituting on split pipe)	1500.00	Numbers	₹292.65	AT Par	₹4,38,975.00
7	Please see Item Breakup for details.					
a	Description:- Disconnect Terminal Block, Screw less type, as per RDSO Spec. No. RDSO/SPN/189/2004. With latest amendments. WAGO make	1000	Numbers	₹ 59.48		₹59,480.00
b	Supply of End plate for above item (I) 2.5mm/0.091 in thick as per site requirement.	50	Numbers	₹ 11.26		₹563.00
c	Supply of End Stopper for above item (I) 10mm/0.0394 in width as per site requirement.	50	Numbers	₹ 11.19		₹559.50

d	Supply of Carrier Rails for above 35mm x 7.5mm, 1mm/0.039 in thickness un-slotted type as per site requirement.	10	Meter	₹ 116.19		₹1,161.90
e	Supply of 4 connection points single potential through screwless terminal block for 6-sq.mm35 sq.mm 4 connection point 284-621/ 624 or Superoir suitable for Power cable connection.	50	Numbers	₹ 276.06		₹13,803.00
8	Description:- Fixing of ARA Terminals /Screw less connectors and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts. This includes provision of two additional holes on the board on either side for cable conductor entry.	1000.00	Numbers	₹16.49	AT Par	₹16,490.00
9	Description:- Road Measuring Cycle,made of Aluminium with 05 digit counter,foldable with bag.	2.00	Numbers	₹4,498.66	AT Par	₹8,997.32
10	Description:- Office Chair makes Godrej CH-7B or similar of reputed brand.	16.00	Numbers	₹2,649.02	AT Par	₹42,384.32
11	Description:- Office Revolving Chair Godrej Make Model No.9u02r Bravo Or Similar of reputed brand.	12.00	Numbers	₹8,107.83	AT Par	₹97,293.96
12	Description:- "Office table with laminated top with three drawers on left hand side and one locker on the right hand side. Olive brown with duplicate keys. Make: Godrej Model T-9 or Similar of reputed brand. "	8.00	Numbers	₹15,562.27	AT Par	₹1,24,498.16
13	Description:- "Steel Plain Almirah with 4 adjustable slaves Size: 1980mm height, 915 mm width and 485 mm depth. Make: Godrej Storewel Plain Large or Similar of reputed brand."	8.00	Numbers	₹17,004.76	AT Par	₹1,36,038.08
14	Description:- Supply of Thermo shrinkable joint kit as per RDSO spec no. IRS TC 77/2010 Rev-2 or latest suitable for 2T joint RTSF3 suitable to 6-quad cable of spec no. IRS TC-30/2005, Ver-1, Amd-4 with latest AMD..	180.00	Numbers	₹3,234.03	AT Par	₹5,82,125.40
15	Description:- Supply of Thermo shrinkable joint kit as per RDSO spec no. IRS TC 57/2006 Rev-0 Amd- 1 suitable to 10/20/50 pair PIJF U/G telecom cable of spec no. IRS TC-41/97, Amd-2 with latest Amd. Size of the cable will be advised by consignee in charge.	40.00	Numbers	₹2,504.54	AT Par	₹1,00,181.60
16	Description:- VF Transformer 470/1120 as RDSO/SPEC/TC/22/76 with latest Amd.	120.00	Numbers	₹573.37	AT Par	₹68,804.40
17	Description:- Supply of 4/2 wire portable emergency control telephone as per IRS -TC-75/99 (Amd-2) with latest amendments along with std. length cord and 6 pin plug as per spec no. IRS TC 42/87 (Amd-1) or latest	10.00	Numbers	₹2,796.84	AT Par	₹27,968.40
18	Description:- Supply of 20 pairs CT box with wago terminal for termination cables.. The Box is rugged, weatherproof, and highly reliable and uses Universal Test Disconnect Terminal Blocks of PHOENIX OR WAGO Make. Epsilon or similar make as approved by Railway.	20.00	Numbers	₹2,054.39	AT Par	₹41,087.80
19	Description:- Supply of 12pairs CT box with wago terminal for termination cables.. The Box is rugged, weatherproof, and highly reliable and uses Universal Test Disconnect Terminal Blocks of PHOENIX OR WAGO Make. Epsilon or similar make as approved by railway.	24.00	Numbers	₹1,274.87	AT Par	₹30,596.88

20	Description:- Supply of G.I. Pipes 80 mm dia medium grade engraved on pipe as per spec. no. IS 1239 of 204 with latest amnd.with sockets and fittings. (other dia. Pipes shall be supplied by Railway) (Surya, Jindal, Tata, Apollo or Asian make).	300.00	Running Metre	550.50	AT Par	₹1,65,150.00
21	Description:- " EMERGENCY 6 PIN SOCKET AND BOX IRS:TC:42/87 (Amendment Slip No.1) BOX - Conforming to RDSO DRG. NO. TCA-20060 (ADV) make-Epsilon or similar Make as approved by Railway."	60.00	Numbers	₹2,598.01	AT Par	₹1,55,880.60
22	Description:- Supply of 6 Pin EC Socket Plug & Socket flat type as per IRS TC-42-87 ver-2, Amd-1 or latest.Make -Epsilon or similar make as approved by Railway.	20.00	Numbers	₹538.62	AT Par	₹10,772.40
23	Description:- Supply of Fiber Distribution management System rack mountable LIU along with all accessories suitable for mono mode 48 fiber armoured cable size 1 U -2 U size for termination of 2x24 Fibers.supplied shuld be slider type .48 fiber complete loaded Euro adoptor,pigtaial, etc,as per instruction of site engineer.3M/RAYCHEM/ or Make/model to be approved before supply by railway.	20.00	Numbers	₹23,554.90	AT Par	₹4,71,098.00
25	Description:- Supply of 2x24 (48 fiber) fiber optic fiber splice (SJC) complete with all accessories as per TEC Spec no. GR/OJC/02/02.MARCH 99 TEC specs for 24 fiber OFC cable with latest amendment.R&M, 3M, Raychem or Similar make.	20.00	Numbers	₹4,393.74	AT Par	₹87,874.80
26	Description:- End plug HDPE duct of size 40/33 mm dia.compatable to supplied duct.Inspection	1000.00	Numbers	₹29.61	AT Par	₹29,610.00
27	Description:- HDPE duct coupler of size 40/33 mm dia.compatable to supplied duct.Inspection	500.00	Numbers	₹47.39	AT Par	₹23,695.00
28	Description:- Supply and installation of Connectors/Pig Tail/Patch cords/ MC/ LIU/ Patch Panels, necessary accessories 24 fi b e r with termination/ splicing of OFC cable make R&M, 3M or Raychem,Systemax „Model make approved before supply.	30.00	Numbers	₹13,304.72	AT Par	₹3,99,141.60
29	Description:- Supply of 19" covered racks, Vero President /Rittel or similar make having size of approximately 2.2 mtr.(42U) height X 600mm width x 800mm depth and duly approved by the engineer in charge of the work. The rack shall be suitable for all fittings for housing SDH equipment, primary Muxes, DDF, MDF using krone module and other equipment like runway ladders etc. completely wired and equipped with integrated protection modules for all channels as per technical specifications and other stipulations of tender document. It should be possible to lock all the equipment with only order wire telephone remaining outside the rack. as per railway requirment errection of rach including transportation should be done by contractor. with ladder up to 10 mtr.as specification .Before supply approved by railway.	12.00	Numbers	₹37,549.95	AT Par	₹4,50,599.40
	Please see Item Breakup for details.					
30	Description:- VHF Communication at Stn and power supply					
a	25 W VHF Radio.railway allotted frequency with scanning faciliteas..as per RDSO Spec No RDSO/SPN/TC/107-2018 Ver. 2.1	6	Numbers	₹ 16,332.11		₹97,992.66

b	Power Supply (12V/15A DC)- Make axiom /Paswa or similar	6	Numbers	₹ 4,763.56		₹28,581.36
c	Maintenance Free Batteries-12V/130AH make Exide/Amra raja/AmronHBL	6	Numbers	₹ 10,341.15		₹62,046.90
d	Omni Directional Ground Plane suitable for VHF as per RDSO Spec No RDSO/SPN/TC/107-2018 Ver. 2.1	6	Numbers	₹ 14,118.81		₹84,712.86
e	"RG 217 Cable as per RDSO Spec No RDSO/SPN/TC/107-2018 Ver. 2.1 (1 no is read as 30 Mtr)"N	6	Set	₹ 10,646.30		₹63,877.80
f	Installation Charges- VHF above 1,2,3,4& 5item	6	Numbers	₹ 14,441.78		₹86,650.68
g	Maintenance Free Earthing Material	6	Numbers	₹ 21,750.53		₹1,30,503.18
31	Description:- Supply of U link panel 32 ways	24.00	Numbers	₹1,744.75	AT Par	₹41,874.00
32	Description:- Supply of U link	400.00	Numbers	₹137.31	AT Par	₹54,924.00
33	Description:- Supply of PVC switch board cable, 10 pair twisted, conductor of size 0.63mm dia annealed copper conforming to TEC spe. No. GR-WIR-06/03 Mar'02 or latest.make-Delton/Birla similar.	3.00	Kilometre	₹41,127.52	AT Par	₹1,23,382.56
34	Description:- Supply of PVC insulated flexible 3 core x 2.5 sq.mm multi strand power cable as per specification no. IS: 694:1990 reaffirmed 1995 or latest.make-Polycab/finolex,/Anchor/Delton	2000.00	Metre	₹51.06	AT Par	₹1,02,120.00
35	Description:- Supply of 100 pair Cable termination krone type box .Krone module suitable for 0.5 and 0.63 mm conductor for cable termination with locking facility.. as per Sepc.	12.00	Numbers	₹4,102.00	AT Par	₹49,224.00
36	Description:- Supply of PVC insulated power wire 25 sq mm	1.00	Kilometre	₹1,36,063.55	AT Par	₹1,36,063.55
37	Description:- Supply of PVC insulated power wire 6 sq mm.	1.00	Kilometre	₹33,366.21	AT Par	₹33,366.21
38	Description:- Supply of 50 Pair Krone box with krone terminal .Krone module suitable for 0.5 and 0.63 mm conductor for cable termination with locking facility.As per Spec.	6.00	Numbers	₹1,104.77	AT Par	₹6,628.62
39	Description:- Supply of Digital transmission measurement setas per SPN - IRS TC: 43/87.with latest Amnd. APLAB make - Model 2031 / 2031A/or similar.	2.00	Numbers	₹31,951.76	AT Par	₹63,903.52
40	Description:- Supply of Cross talk measuring set as per IRS. TC 45-88 with latest Amendment .Make Anu vidyut/Aplab or similar (Approved by site Eng. In charge).	2.00	Numbers	₹30,310.15	AT Par	₹60,620.30
41	Description:- Supply of 4w emergency Control Room Equipment as per IRS:TC:61/93.Make -Epsilon /Anu vidyut or similar	1.00	Numbers	₹35,285.34	AT Par	₹35,285.34
42	Description:- Supply of Tools kit for cable jointing in Bag as per spec.List	2.00	Set	₹12,456.37	AT Par	₹24,912.74
43	Description:- "PCM TDM Integrated access device 1U height /19"" rack mountable; Optical module integrated in the unit supporting dual core OFC and 2E1 one 100Mbps Ethernet Port; optical distance support to be 20 KM; unit consist one E&M module supporting eight 2W/4W (each port configurable); another one slot populated with FSX or FXO for hot line connection .Model : Make : MAPLE-4CS or similar."	10.00	Numbers	₹1,66,001.71	AT Par	₹16,60,017.10

44	Description:- Optical Module Card having SFP port for connectivity with suitable SFP module or EKT or optical to 4xE1 cinvertor suitable for 4E1.as per requirment of multiplexer MAPPLE -4 C or similar equipmet .which supply item above.	12.00	Numbers	₹31,089.76	AT Par	₹3,73,077.12
45	Description:- Supply of Audio Interface Card for providing 10 FXO link per card suitable to be accommodated in PCM multiservice intigrated access TDM multiplexer supplied above.	3.00	Numbers	₹34,791.42	AT Par	₹1,04,374.26
46	Description:- Supply of Audio Interface card for providing 10 FXS links per card suitable to be accomodated in PCM multiservice integrated access TDM multiplexer supplied above.	3.00	Numbers	₹40,745.20	AT Par	₹1,22,235.60
47	Description:- Professional AC/DC clamp meter 3 ¾ Digit, true RMS measurement, complying to IEC61010 and over voltage categories CATII600V, CAT III 300V, For measurements of DC/AC currents up to 1000 A, Voltage up to 600 volts, resistance up to 40 Mohms, Frequency up to 1 MHz with set of leads and Carrying Case. Model-DCM39A or equivalent higher version. Fluke/Stanlay Make.	4.00	Numbers	₹23,064.69	AT Par	₹92,258.76
48	Description:- Supply of Digital insulation Tester 100V/250V/500V range Model: Rish insu 20 Make: RISHABH or Stanley or similar.	6.00	Numbers	₹8,582.76	AT Par	₹51,496.56
49	Description:- Handheld Digital Earth Clamp Tester for clamp on earth/ Ground Resistance Measurement up tp 1000 ohms. Accuracy 0.1 - 0.99 ohm : 1%; 1-49.9 ohm: 1.5%. Also measure current leakage up to 20A. No spines required for measurement. Model-DECT-2 or equivalent higher version, Motwane/Stanlay/Fluke make.	1.00	Numbers	₹84,885.43	AT Par	₹84,885.43
50	Description:- Supply of Cable Route Locator as per specification cable Route Tracer /Locator with high power 12 W Transmitter for effective long distance location, 4 Active locating Frequencies depth range up to 9M,passive power frequency, current and resistance measurement in both transmitter and receiver, super induction mode, with capability of electronic marker locating (both Passive and RFID) and sheath fault locating in a single equipment, allows software to be downloaded from website, weight less than 2.5 Kgs for transmitter as well as receiver, Signal current Measurement in cable. (OEM/Authorised dealer certificate required along with equipment) Make 3M.or Stanlay or approved by railway before supply	1.00	Numbers	₹5,32,695.25	AT Par	₹5,32,695.25

51	Description:- Supply of maintenance OFC tools kit as per TEC specification no. GR/OFT-01/03 APR 2005 or latest, one set consisting of following:1-Digital multi meter 4 1/2 digit with Liquid crystal Display 1 No. of Phillips/Motwane /fluke/stanlay Make.2-Utility Knife - 1 Nos 3-Cable Slitter -1 Nos.4- Tubing cutter for cable armour-1Nos.5-Bare Fiber adaptor.6-Miller Height precision stripper for fiber buffer .7-Cleaver Fulkura make or similar.-1 Nos.8-FC/PC Adopter with DB loss-2 Nos.9-Earth resistance measuring instrument with all accessories suitable for measuring earth resistance in range of 0.1 Ohms to 10 Ohms.10-Megger-100v -1 Nos.500 v-1 Nos.11-Loose tube stripper-1 Nos.12Cord stripping pliers.13-Supply of Krone tool-2 nos.14-duct cutter -2 Nos	2.00	Set	₹1,61,044.57	AT Par	₹3,22,089.14
52	Description:- Supply of Optical Power Meter suitable for of testing 1550/1310 As per Spec. with Lithium Battery ,adopter and other accessories.Make /& model OLP-35 Power Meter JDSU or similar. before supply model make approved by Rly.	2.00	Numbers	₹44,076.46	AT Par	₹88,152.92
53	Description:- Supply of Optical Source (1550, 1310) make and model JDSU/VIAVI OLS -35 JDSU or similar Light Source with Lithium Battery and adopter and other accessories ,. before supply model make approved by Rly.	2.00	Numbers	₹1,57,088.12	AT Par	₹3,14,176.24
54	Description:- Supply Fusion splicing Machine with all accessories. Make Stanlay or similar as per tech.specification TEC.GR/TX/OSM-001/04 Sep-2012 with latest amendment. : before supply model / make approved by Rly. Inspection Authority RITES.(OEM/Aauthorised dealer certificate required along with equipment).	2.00	Numbers	₹4,32,912.91	AT Par	₹8,65,825.82
55	Description:- Supply Optical time domain Reflecto meter make Stanlay or similar as per tech.specification No. G/OTD-02/02 Jan-2005 with latest amendment all accessories.as per spec. before supply model approved by Rly Engineer .Inspection Authority -RITES.(OEM /Authorised dealer certificate required along with equipment).	2.00	Numbers	₹3,78,716.68	AT Par	₹7,57,433.36
56	Description:- Supply of power pack 230VAC/1-5 AMP complete with battery backup of 48volt/7ah suitable for way side equipment Make -Axiom or similar .before supply model make approved by Rly.	4.00	Numbers	₹19,040.53	AT Par	₹76,162.12
57	Description:- SMPS base power supply 12v/10 .amp. Make Paswa/Axiom or similar .before supply model make approved by Rly.	8.00	Numbers	₹1,561.09	AT Par	₹12,488.72
58	Description:- Supply of Electric rotary Drill machine Drill RH24A (230V) (Make Wolf or Bosch or superior as per spec. Original manufacturer/dealer/distributer certificate to be submitted.	2.00	Numbers	₹5,138.05	AT Par	₹10,276.10
59	Description:- Supply of Cable fault locator. Model Sidekick plus 1155-5001 or similar make stanley. as per specification -Inspection Authority -RITES .Make model before supply approved by Railway.	2.00	Numbers	₹5,32,366.17	AT Par	₹10,64,732.34
60	Description:- Mild Steel Heavy duty Storage adjustable fully folding powder coated. Racks for well upkeeping of material in store .No. of Shelves 3 per rack .Load bearing capacity per Layer (shelves)-100kg to 500Kg, before supply approved by railway.	10.00	Numbers	₹13,270.82	AT Par	₹1,32,708.20

61	Description:- Supply of 25 mm dia. HDPE pipe (TEC spec. No.G/CDS-08/02, Nov'04 or latest) with accessories on wall or structure / in trench etc. for drawing of CAT-6/OFC cable/ power cable in the same to suit Allmaterials for jointing, fixing, clamping of HDPE pipe.	800.00	Running Metre	31.40	AT Par	₹25,120.00
62	Description:- Supply of Microcontroller based Quad Cable Conductor's Earth Resistance Sensing Unit, for 24 nos. conductors with metering facility for one conductor at a time.	12.00	Numbers	₹79,679.96	AT Par	₹9,56,159.52
63	Description:- Supply of Multi Telephone Way station Equipment with neccessary mounting arrangement on composite rack or on wall. It shall be 48V operated Specification No. RDSO/SPN/TC/66/07 with amendment -3 or latest.	10.00	Numbers	₹76,924.26	AT Par	₹7,69,242.60
64	Description:- Supply of push button telephone having DTMF signalling	50.00	Numbers	₹800.74	AT Par	₹40,037.00
65	Description:- Supply & PVC rigid pipe 25mm dia conforming to ISI spec. No. ISI/9537.	6000.00	Metre	₹18.80	AT Par	₹1,12,800.00
66	Description:- Supply of Standard 19" Rack Mountable -48V DC Working, Add-Drop STM-4 SDH Equipment conforming to TEC GR No: GR/SDH-010/03. JAN 2011 (with latest amendment) complete with, redundant power supply, 2 Nos STM 4 of Aggregate L.4.2 Optical Interface Modules/ Cards one each for East and West side TX/RX and 2 nos of STM-1 S1.1 or L1.1 optical interface modules complete with 5 mts. long Optical Patch Cords. 63 E1s card with DDFs and Cable assembly for termination to DDF and minimum 8 nos of 10/100 Base-T Ethernet Ports Fast Ethernet on SDH (EoS) 10/100 Base-T Interface Module/ Card supporting with LCAS and GFP, order wire subrack DDF installation Material, manuals and other accessories. Complete Engineering Order Wire (EOW) arrangement. .Note-compatible with existing section and adjoining station. Necessary Software/ Firmware for local/ remote monitoring/ configuration of the equipment through NMS and Software/ Firmware Interface to work all Network Elements as Gateway Network Element (GNE). 2 Nos. of MCBs of appropriate ratings and necessary Connecting cords and cables for power supply modules as per TechniclSpecification in Chapter 4	6.00	Numbers	₹3,53,429.86	AT Par	₹21,20,579.16
67	Description:- Supply of Primary Digital Multiplexing Equipment (2.048 Mbps) Fully equipped at every station as per RDSO No. IRS:TC:68/2012T Revision 0 Amd-1 or latest. for 30 Channels complete with power supply card One set of operation, programming and maintenance manual. Number of circuits should be approved by engineer incharge before supply. .Inspection authority consignee.Note- compatible with existing section and adjoining station.The above MUX should be equipped with 30 channel circutes with maximum E&M card and Compatible with as well as inter oparable card level of the equipment provided in the adjoining section of BRC Division.Got aprove before supply	6.00	Numbers	₹1,82,175.54	AT Par	₹10,93,053.24

68	Description:- Supply of Local/Remote service Terminal (Portable) with software for managing both STM1/STM4 ADMs and primary Digital Drop Insert Muxes as per technical specification.	2.00	Numbers	₹1,32,947.32	AT Par	₹2,65,894.64
69	Description:- Supply of 48V , 50 amps battery charger for telecom use as per No RDSO/SPCN/ TC/23/ 99 (ver. 4) or latest in N+1 configuration i.e. using 3 modules of 25 amps with automatic switching between the modules for two sets of 200 AH battery for charging with SMF VRLA. it shall be equipped with surge and lightening protection of class 'B' and 'C' the configuration shall be decided as per site requirement.	6.00	Set	₹76,451.59	AT Par	₹4,58,709.54
70	Description:- supply of full charged VRLA 200 AH Batteries.as per IRS.93/96 amd.1 or lateast.	6.00	Numbers	₹66,473.20	AT Par	₹3,98,839.20
71	Description:- Supply of in-built GNSS based cable route tracer with 10W ,500 mA ,85V transmitter suitable for detcting & mapping underground cable with acuracy which cane up to 3-5 cm or better,with current direction up/down arrows ,Remote calibration check feature,supply shall include inbuilt RTK enabled reciever trnsmitter compatable dual blue touth android device along with minimum 5 year subscription ,compatble with NTRIP and RTCMv3.X massaging standard and holder & standard accessories .Mak/Model: Radio detection RD8200GS or similar.	1.00	Numbers	₹13,87,100.00	AT Par	₹13,87,100.00
72	Description:- Supply of UPT. Category- 6 Class E for Networking. AVAYA, Digisol or D-link.	2000.00	Running Metre	20.49	AT Par	₹40,980.00
73	Description:- Supply of Self Supported aluminium flat step ladder (conforming to ISI) 12ft. Height.Ladder Should be self supported and it should be made up of rust proof Alluminium of Min 16 SWG.No plastic hinges/Step Support Should be used.	6.00	Numbers	₹5,678.94	AT Par	₹34,073.64

74	Description:- Supply of Central Data Controller Unit conforming to system requirement as per RDSO Spec..RDSO/SPN/TC/108/2019 Rev.1.0 or latest. The control console shall have main and standby CPU to work in standby mode, one Nos. of 1 Kva UPS with two independent batteries, two LCD monitor (19 inch), CCU Rack, KVM Switch, CDS (Layer3 12 Port Switch of make CISCO, HP, Juniper, Brocade, Avaya, Extreme, Netgear, D-link) and other accessories, housed in a standard size cabinet along with driving Software for integrated passenger information system as per RDSO Specification No. RDSO/SPN/TC/108/2019 REV.1.0 or latest. this includes supply and installation of SW for Announcement system with necessary interface and announcement recording (Hindi/English/Gujarati) fresh studio copy of voice files.) as per RDSO Specification No. RDSO/SPN/TC/108/2019 REV.1.0 or latest (the same to be interfaced with existing audio and video system installed at the station.). the software should support all types of display/announcement by merely adding necessary hardware in future (single/multiline arrival/departure train information display boards. (single sided/double sided), CGDB, AGDB, LCD/LED/Plasma TVs etc.	6.00	Set	₹4,57,535.31	AT Par	₹27,45,211.86
75	Description:- Supply of OFC single mode 6 fiber armoured cable of make finolex/Polycab/Paramount or similar	500.00	Metre	₹26.36	AT Par	₹13,180.00
76	Description:- Supply of microphone with cord and other accessories.Make Ahuja or similar	6.00	Numbers	₹2,104.21	AT Par	₹12,625.26
77	Description:- Supply of microphone standsuitable keep in table	6.00	Numbers	₹226.46	AT Par	₹1,358.76
78	Description:- Supply of horn speaker type-15/20 Watt wheather proof with driver unit Make-Ahuja or similar.	80.00	Numbers	₹1,602.25	AT Par	₹1,28,180.00
79	Description:- Supply Column speaker.Make Ahuja or similar Model SCM 30T	20.00	Numbers	₹1,416.44	AT Par	₹28,328.80
80	Description:- Supply of twin core shielded cable of size of each core 24/36 SWG with standard colour (Red & Black) having screening coverage of 95% area of the sheath of the cable using braided copper conductors.	6000.00	Metre	₹31.64	AT Par	₹1,89,840.00
81	Description:- Supply of Universal Fare Display System with Power, Data Cable & connector for PRS/UTS/ Thin Client Terminal as per Technical Specification	12.00	Numbers	₹5,296.21	AT Par	₹63,554.52
82	Description:- Supply of 6 core fiber termination box with Capacity of Ports: 6 ports, Suitable Adapter: SC/LC.	10.00	Numbers	₹198.99	AT Par	₹1,989.90
83	Description:- Supply of remote fault diagnosticsystem. Configuration as per technical specification.	4.00	Numbers	₹82,707.55	AT Par	₹3,30,830.20

84	Description:- Supply of HDMI to fiber converter and fiber toHDMI converter in pair should have 20km range with one Year warranty. Product should have following minimum Speciation: 1. Full HD 1080P HDMI Optical Converter/Extender 2. Supports up to 1920x1080@ 60Hz 3. Distance - 20KM over Single Mode fiber 4. Video Input Port - HDMI 5. Video Output Port - HDMI 6. HDCP Supported - Yes 7. HDMI Resolution -Up to 1920x1080@ 60Hz 8. Wavelength - 1310nm/1550nm 10.Power - Input: AC110V- 220V,50/60HZ, Output: DC5V/2A.	4.00	Numbers	₹17,439.74	AT Par	₹69,758.96
85	Description:- Supply of crimping tool suitable for 0.5mm and 0.63 mm dia telecom cable. Make- krone or similar	4.00	Numbers	₹1,611.99	AT Par	₹6,447.96
86	Description:- UPS 1 KVA online having one hours backup.Make -APC/Numeric/Microtek or similar	6.00	Numbers	₹33,137.16	AT Par	₹1,98,822.96
87	Description:- Supply of HDMI Cable 3Meter compatible withHDMI video source devices.)	10.00	Numbers	₹273.81	AT Par	₹2,738.10
88	Description:- Supply of 10 Mtr length HDMI cable (supporting2.0 and above).	10.00	Numbers	₹1,482.12	AT Par	₹14,821.20
89	Description:- LC/SC/Euro OFC patch cord 1.5 to 10 mtr log. As per requirement.	500.00	Numbers	₹667.62	AT Par	₹3,33,810.00
90	Description:- Supply of Single Mode Single fiber Managed Media Converter (Ethernet & E1 to Optical vice versa) Pair and all the accessories required for their installation as per RDSO Spec NoRDSO/SPN/TC/103/2013 Rev.2 or latest.as per technical specification.	10.00	Pair	₹12,753.00	AT Par	₹1,27,530.00

₹2,54,82,958.02

Schedule () B-Execution item						
SORB						
1	Description:- Cable route survey & Preparation of as built final cable route and other plans (for OFC as well as other telecom cables whose laying is covered in this schedule) taking into account the points mentioned in chapter II & other chapters of technical requirement on Auto CAD for entire sections for entire sections VG-SIOB. The cable route & other plans shall be prepared by contractor after joint survey, got approved from engineer in charge, changes during course of execution shall be incorporated in the same. After completion of the work all completion documents of tracing papers along with six prints of cable route plan, jointing & splicing schedule, cable hut wiring diagram etc. in six sets for each station and section in folders shall be supplied by the contractor. Contractor shall also supply the Auto CAD documents on CD. All the required materials, accessories including tracings, papers etc, shall be contractor's own.	110.00	Kilometre	₹1,167.34	AT Par	₹1,28,407.40

2	Description:- Supply ,Installation & Transportation of VF Transformer Box Assembly Wall Mounted Type for 6 Quad Cable Arrangement in RE Area along with OFC consisting of neccessary VF Transformers, U Link/ wago terminal, Socket Selector Switches, Wago Terminals etc. Mounted, as per Drawing No.: B/SG/P/Drg/Tele/1/2008 & B/SG/P/Misc/50/2008 and tested all circuits.make- Epsilon/Santel.	6.00	Numbers	₹37,508.90	AT Par	₹2,25,053.40
3	Description:- Excavation of trench 300mm wide at the bottom and 1.2 mtr deep, in all type of soils including clearing of trees, bushes, etc. and refilling of cable trench by excavated soil and ramming after laying of HDPE DUCT (laying of HDPE/DWC & 6 Quad. cables, PDF cables etc., will be paid under different items of the schedule). Where desired dimensions of trenches could not be achieved proportionate payment will be made as decided by Engineer-in-charge of the Railway at site. The trenching outside the station limits I.e.) between the home signal of station 'A' to home signal of station 'B' may be done manually or by machine, as per the directions of site in charge. In no case the payment will be made for the trench of higher dimensions, than the dimensions as mentioned above.	17000.00	cum	₹288.50	AT Par	₹49,04,500.00
4	Description:- Preparation of cable way 150mm wide at bottom and 200mm deep in rocky area/CC road/Platform and other CC/Stony location and refilling the same (after telecom Cable laying as well as laying PVC pipe which shall be paid separately under different items of the schedule) with concrete mixture of proportion 1:3:6 all along the trench done rocky area with contractor's own cement mixture, sand, water and other required materials and restoration of earth work as original with tiles/marvel/Granite etc.	3000.00	Metre	₹214.25	AT Par	₹6,42,750.00
5	Description:- Manual horizontal auger boring/drilling of 100mm dia Horizontal Bore across the Railway Track/ Across Road at LC gates by Boring method at a depth of 1.65mm from the ground level/ ground level to be considered ignoring the bank height of the bank/road and insertion of HDPE/DWC/GI pipes etc., as per the instructions of Engineer in charge at site as per drg no. RAILTEL/SR/OFC/2008/10.	500.00	Metre	₹802.32	AT Par	₹4,01,160.00
7	Description:- Excavation of cable trench in rocky area, 450 mm wide at the top, 300 mm at the bottom and minimum 0.5 meter deep in rocky area (rocky soil mixed with boulders/hard murrum) including cleaning of trees, bushes. The trenching will be done manually only and limited to the stretch between the home signal to home signal of each station and other locations as per the directives of the site in charge. Where desired dimensions of trenches could not be not achieved proportionate payment will be made as decided by Engineer-in-charge of the Railway at site. In no case the payment will be made for trench of higher dimensions than the dimensions as mentioned above.	600.00	cum	₹415.53	AT Par	₹2,49,318.00

8	Description:- Laying of OFC/Quad Cable, PIJF cable of different size in the excavated trench. This includes loading/unloading & transportation of cables from the stores of SSE/T/C/PRTN to the site/ Wherever several cables of provision of separation of various cables should be as advised by the site incharge of the Railway. Empty cable drums to be retained by the contractor the cable drums with unused cable at site to be returned by the contractor from site to be returned by the contractor from site to Stores of SSE/T/PRTN.	65.00	Kilometre	₹6,394.62	AT Par	₹4,15,650.30
9	Description:- Fixing & laying of 100 mm /80 mm dia GI pipes or GI trouphing (supply of GI pipe is covered separately in Schedule 'C1') and parapet wall/roof of culverts, including masonry work at both ends with contractors own material and bending of the pipe at the both ends etc. as per Drawing No. SK/CSTE/C/97/05 & directive of Engineer in-charge, Perforation should be done before laying of GI pipes.	800.00	Metre	₹165.30	AT Par	₹1,32,240.00
10	Description:- Execution of quad cable jointing using thermo shrinkable joint kit straight though/ Derivation / 2T / 3T transformer joints with VF transformer between 6 quad & PIJF cable this i/c transformers on 6 quad / jelly field cable this i/c VF transformation of jointing kit transformer covered in Schedule 'A'.	70.00	Numbers	₹1,283.87	AT Par	₹89,870.90
11	Description:- Execution of straight through joint on quad cable/5-10-20 pairs PIJF Cable.	150.00	Numbers	₹1,121.01	AT Par	₹1,68,151.50
12	Description:- Fabrication of EC socket box, assembly and erection of fabricated assembly at the location indicated in the route chart and as per direction of Engineer in charge. This includes cutting of rails / GI pipe to required size, supply and welding of GI Pipe and base plate, fixing of EC Socket box, transportation of material to site, digging of pit and erection of whole assembly at site. The work also includes the termination of 6 Quad/PIJF derivation cable on the strips of 6 pin EC socket inside emergency socket box. The fabrication of EC Socket box shall be done as per Drg. No. SK/CSTE/C/97/16 & SK/CSTE/C/97/20. Rail/GI Pipe post will be supplied free of cost at the SSE (Tele) C/PRTN depot in full lengths. Note - In addition to above, the centre pins of EC sockets shall be terminated with a dedicated pair of 6 Quad cable (Derivate through the tail PIJF cable) in the entire block section so as to provide magneto/auto telephone communication from each EC socket.(All materials supply by contractor except rails & GI Pipe for post.).	60.00	Numbers	₹3,574.76	AT Par	₹2,14,485.60
13	Description:- Fixing of 20/12 pairs CT box & termination cables as per the details approved by the engineer. All the required materials shall be supplied by the contractor.(for station)	50.00	Numbers	₹367.11	AT Par	₹18,355.50
14	Description:- Supply & installation of RCC cable route marker engraved on both side and painted on both sides along the route every 50 to 100 mt. & route diversions as per Drg 4014/00/CC4.	2400.00	Numbers	₹436.37	AT Par	₹10,47,288.00

15	Description:- Painting of emergency socket assembly and rail post by applying one coat of red oxide as base color, and then painting the assembly as per zebra painting in white and black colors. The width of each of the black and white colors shall be 100mm. All paints used shall be with ISI mark.	60.00	Numbers	₹708.62	AT Par	₹42,517.20
16	Description:- Supply of paint & painting of telephone / Cable mark length from center on every hectometer/OHE mast with indicating arrow, indicating the direction of the nearest emergency socket on the RCC route/joint markers & EC socket box with kmtrs. All paints used shall be of Asian/Shalimar/Acolyte make with ISI mark. The indicating Arrow and all other writing work shall be done using black enameled paint with background painted Yellow. The work shall be carried out as per directive of site engineer.As per drgRAILTEL/WR/OT/DFC/012.	2500.00	Numbers	₹102.79	AT Par	₹2,56,975.00
17	Description:- Placing of RCC/DWC/ Split DWC pipe in trench and track/road crossing protruding equally outside the rail/road edge on either side.	8000.00	Running Metre	33.59	AT Par	₹2,68,720.00
18	Description:- Provision of maintenance free earth Earth Electrode. spec of RDSO/SPN/197/2008 or latest complete with material in ring fashion (minimum three electrode in ring) at cable hut / ofc room or where required .minimum 3 electrode provided in ring as per engineer in charge .approved drg. Maintenance free electrode used .RDSO/RITES inspected .and certificated provide to consignee before installation.	12.00	Numbers	₹34,296.15	AT Par	₹4,11,553.80
19	Description:- Installation of Maintenance free Earth Electrode for Maintenance free earth as supply in sch.A.	40.00	Numbers	₹2,716.02	AT Par	₹1,08,640.80
20	Description:- Supply & Fixing of GI trouphing on girder/ other type bridges in yard and mid sections for carrying telecom cable. This includes supply and fixing of 100mmx50mmx06mm and 1.2 mtr long MS channel .Before installation material inspected by Railway representative as site engineer instruction.					
a	supply and fixing of MS channel	200	Numbers	₹771.65		₹1,54,330.00
b	Supply & fixing of GI trouphing	600	Running Meter	₹1,117.62		₹6,70,572.00
21	Description:- Cement concrete work for miscellaneous items in the ratio 1 : 3 : 6 . Item includes excavation, ramming, curing and plastering with cement & sand mixture (aggregate not exceeding 3.8 cm.) (Aggregate cement & sand to be supplied by the contractor).	40.00	cum	₹3,403.79	AT Par	₹1,36,151.60
22	Description:- Providing brick masonry in ratio 1:6 cement and mortar including plastering with 1:4 cement and sand mixture both sides, 20 mm thick each with contractor's owned class II bricks, including excavation, curing, grouting, bolting etc. wherever required. Bricks sand and cement to be supplied by the contractor.	10.00	cum	₹1,923.25	AT Par	₹19,232.50
23	Description:- Supply & Installation of Professional 19" mount Equipment Racks 9U for housing telecom Equipments.Rittal/santel/ Vero President	20.00	Numbers	₹10,363.86	AT Par	₹2,07,277.20

24	Description:- Installation of fiber distribution management system (Supply covered Above) with all installation materials, restoration wall etc. to original condition , splicing and termination of 48 fiber cable (With all contractor's materials), routing/dressing fibers as per directions of Engineer in-charge.	10.00	Numbers	₹3,718.83	AT Par	₹37,188.30
25	Description:- Transportation and Laying of HDPE pipe as per approved cable route plan in the excavated trench, taking due care while transporting and laying the same in the trenches or other protective works. Both the end of duct should be sealed with end plugs before laying and should remain sealed till blowing is done.Note- laying Duct as per HQ polcy dated 01.01.2025	240.00	Kilometre	₹6,582.71	AT Par	₹15,79,850.40
26	Description:- End to end testing of all fiber of the optical fibred cable laid under above items between station/cable huts. All required equipments, tools and plants shall be arranged by the contractor. Five nos. of print out of traces in folders of OFC parameters/ results, The per kilometer link loss shall be as per the policy/technical circulars issued by the railways from time to time.	24.00	Numbers	₹14,349.11	AT Par	₹3,44,378.64
27	Description:- Splicing of laid under above items OFC cable and making the splice joint in dust free environment with contractor's own equipments and labour. Straight joint enclosure (SJC) is covered under schedule 'A' remaining all required materials, tools , plants shall be arranged by the contractor. splicing shall be started from one end and each splicing shall be monitored after splicing and after closing the enclosure for all the fibers from one central location by contractor's engineer with his own OTDR and optic Talk set with railway engineer , trace for the fibers shall be taken and signed jointly, if any fibred splice shows high loss/lossy event, the same shall be redone before completion of splicing work. The splice loss shall be as per the policy/technical circulars issued by the railways from time to time.	20.00	Numbers	₹8,041.59	AT Par	₹1,60,831.80
28	Description:- Blowing of OFC through HDPE duct & protective work (elicited in above item) already provided. Where it is not feasible to blow OFC due to curves, road/track crossings, bridges or for any other reason, OFC shall be drawn /laid manually as per standard procedure. All the equipments and machinery required shall be arranged by the contractor at his own cost. In case OFC is to be laid adopting 'Direct in trench' method then this item shall be paid as per accepted rate of item no.(6 h) of this schedule. OFC and HDPE pipe shall be supplied by the railway.	240.00	Kilometre	₹12,305.85	AT Par	₹29,53,404.00
29	D escription:- Supply & installation of RCC pre-fabricated OFC jointing pits size 0.6mx1.12mx1m.round type as per RCIL drg No. RAILTEL/WR/OT/DFC/011 The material shall be supplied as per engineer in charge instructions.	120.00	Numbers	₹4,937.58	AT Par	₹5,92,509.60
30	Description:- Fixing /Claimping of PVC pipe/HDPE pipe/HDPE duct 40/33 mm /Gi Pipe on wall etc .Claimp provide by contractor.	2000.00	Metre	₹35.21	AT Par	₹70,420.00

31	Description:- Installtion of 42 U rack and supply necessary ladder for cable way up to 10 Mtr. Ladder (cable way) siz 200 mm Wide 4mm thick .all material for ladder given by contractor .	12.00	Numbers	₹9,683.33	AT Par	₹1,16,199.96
32	Description:- Hiring of vehicle SUV/MUV for staff for field supervision location to location at work site and emeregency material transportation in case any emergency like cable cut or minor work .other than contractor material transportation from Store . for 2500 km per month.	24.00	Vehicle- Month	42700.18	AT Par	₹10,24,804.32
33	Description:- "Hiring of JCB for Excavation work otherthan trenching.like Removal of piles of soil, sloping soil, boulders, debris, rails, sleepers coming in the cable route etc.as per railway site engineer incharge. "	400.00	Hour	₹915.98	AT Par	₹3,66,392.00
34	Description:- Skilled man power to be provided by contractor for Engg. JCBs working to provide marking & supervisory work for the S&T cables during digging work by JCB's and repairing /restoring/jointing of cables, if damaged Cables & Joints Material will be provided by railway. for miscleneous activity, inspection complaince & bridge pending work etc by engineering. where work completed by S&T.but not commissiond or commissioned but not handeded over.and helping with railway staff.	1200.00	Man-Days	₹754.25	AT Par	₹9,05,100.00
35	Description:- Laying of power cable, telecommunication cable at OFC room ,panel room and station with termination etc as per instruction of railway site engineer.	2500.00	Metre	₹102.18	AT Par	₹2,55,450.00
36	Description:- Supply, Installation, testing and commissioning of 2x48 Fiber (SC/APCSC/ APC) FDMS including splicing of OFC and termination of all fibres using pig tail cable of standard size (All materials including pig tails (5 meter each) to be supplied by the contractor, this also includes arrangement & fixing of suitable metal box fixable in wall for spare OFC coil) Insp. By Consignee.	30.00	Numbers	₹31,295.23	AT Par	₹9,38,856.90
37	Description:- Supply and installation of straight joint enclosures (SJC) complete with all accessories with latest amendments or Raychems RPG make FOSC-400-B4-A-BJL-4-H -48 or similar make only.(For 48 fiber OFC) and splicing of 2X48 F laid OFC.	150.00	Numbers	₹18,611.62	AT Par	₹27,91,743.00
38	Description:- Supply and installation of OFC Interface Equipment for Master Telephone (Gate Telephone System) with all necessary electrical points and wiring as per TS.	4.00	Numbers	₹37,308.83	AT Par	₹1,49,235.32
39	Description:- Supply and installation of OFC Interface Equipment for Slave Telephone (Gate Telephone System) with all necessary electrical points as per TS.	10.00	Numbers	₹34,048.84	AT Par	₹3,40,488.40
40	Description:- Supply and installation of OFC based Master Telephone unit for gate communication with voice recording facility complying to latest RDSO Spec.No. RDSO/SPN/ TC/51/2021 Rev. 1 or latest with all necessary electrical points and wiring as per TS.	8.00	Numbers	₹51,435.47	AT Par	₹4,11,483.76
41	Description:- Supply and installation of Master Telephone Voice Recording Facility (Suitable for 16 slave phone) for S No. 5 and as per TS.	4.00	Numbers	₹39,844.38	AT Par	₹1,59,377.52

42	Description:- Supply and installation of Slave Telephone suitable for OFC based gate communication following RDSO Spec.No. RDSO/SPN/TC/51/2021 Rev. 1 or latest with all necessary electrical points and wiring as per TS.	30.00	Numbers	₹5,433.32	AT Par	₹1,62,999.60
43	Description:- Supply and installation of 12V Power Supply Unit with battery and charger for gate communication system for slave telephone as per TS.	10	Numbers	₹5,433.22	AT Par	₹54,332.20
44	Description:- Supply and installation of 12V Power Supply Unit with battery and charger for gate communication system for master telephone as per TS.	10.00	Numbers	₹8,693.32	AT Par	₹86,933.20
	Please see Item Breakup for details.					₹-
45	Description:- Preparation of cable route of buried S&T Cable using Radio Detector 8200GS or similar model GPS Model and DGPS for Trench per km.for existing cable as per the instruction of Engineer in- charge.Submission of report in KMZ file format,soft copy only.					₹-
	In yard section	8	Kilometer	₹53,987.00		₹4,31,896.00
	In open line section. (or other than yard section)	96	Kilometer	₹40,752.00		₹39,12,192.00
46	Description:- Installation, wiring, testing, commissioning of Drop / Insert Mux with E1 interface cards connection to 48V bus bar & termination of VF/Data interface circuit to the crone MDF in already installed 42U Rack. This include4s termination of PVC cable at both ends, taking PVC Cable over runway or on the wall. This also includes supply of PVC cable of conductor size 0.63 mm. (ii) Testing and commissioning of STM-4/ D / I Mux Equipment installed vide item no. 1 & 2 above using NMS as per as per approved test protocol. The work includes submission of all technical documents, manuals. All miscellaneous items required for the final testing and commissioning for the system will be supplied by the contractor.	6.00	Numbers	₹19,640.24	AT Par	₹1,17,841.44
47	Description:- Installation and wiring of SDH STM-4/ADMs primary drop insert multiplexers with all accessories, 19" rack with suitable stand/ platform made of MS angle/CC, power supply board FDF racks	6.00	Numbers	₹24,607.69	AT Par	₹1,47,646.14
48	Description:- Supply & installation of Class-B & Class-C Type surge arrestors for single pase supply and as per standard practice & including supply of all the materials required for the work.	6.00	Numbers	₹22,063.91	AT Par	₹1,32,383.46
49	Description:- Installation, wiring, testing and commissioning of SMPS battery charger & maintenance free VRLA cells at each station. Note:- The rate quoted shall be including the cost of DC bus bar of 48V DC /Power wire suitable stand etc.connection of power supply to the equipments. All the wiring shall be done with the suitable gauge of power wires through suitable casing / capping as per the instructions of railway engineer's. All the materials required for this item shall be supplied by the contractor.(SPMS charger is covered in schedule - A & VRLA battery will be supplied by Railway)	6.00	Set	₹2,892.82	AT Par	₹17,356.92
50	Description:- Installation, wiring testing and commissioning of way side equipment and telephone on the rack as per consignee in-charge.	12.00	Numbers	₹2,538.27	AT Par	₹30,459.24

51	Description:- Laying of UTP CAT-6/PVC/PA cable through pipe/casing capping etc.	6000.00	Running Metre	12.48	AT Par	₹74,880.00
52	Description:- Supply, installation, testing and commissioning of GPS based double faced platform Clock as per RDSO Specification No.RDSO/SPN/TC@47>47@2008 Rev.3 Amd.1 & 2.0 or latest	10.00	Numbers	₹44,730.34	AT Par	₹4,47,303.40
53	Description:- Installation, testing and commissioning of CDC set as per RDSO Spec.RDSO Specification No. DSO/SPN/TC/108/2019 Rev.1.0 or latest or latest as supplied above.	6.00	Set	₹14,529.68	AT Par	₹87,178.08
54	Description:- Installation & Commissioning of double face coach guidance display boards/Speaker as supplied under schedule A, in open area. It includes Supply, hanging & Fixing arrangement of coach indication board/speaker along with hood (Cover shed) in open space, (without shed area) 100 mm dia (OD) & 15 feet's long G.I. to be erected with concrete foundation (1:3:6) of 3 Feet deep from platform level and on the pipe, an angle to be fixed on G.I. pipe as per site condition. Contractor to supply all required materials with G.I. pipe & G.I. sheet of 2'x3' which should be placed on the top of the board in open space as per approval of site engineer with angle fastening and crow guard.(supply of G.I. pipe included in this)	80.00	Numbers	₹6,610.11	AT Par	₹5,28,808.80
55	Description:- Supply, installation & testing of two zone 200 -250 watt Amplifier.	12.00	Numbers	₹29,682.59	AT Par	₹3,56,191.08
56	Description:- Installation Testing and commissioning of different type of speakers to be supplied under Schedule 'A' with hanging arrangements and clamps on cover shed/poles as per directions of Field Engineer.	20.00	Numbers	₹461.18	AT Par	₹9,223.60
57	Description:- Installation of Universal Fare Display System for UTS Ticket windows compatible with all PRS & UTS thin client/ Dumb Terminal including all necessary material.	12.00	Numbers	₹383.54	AT Par	₹4,602.48
58	Description:- Splicing of fibres of OFC Cable and making Splice joint of fiber with contractor's own splicing machine and tools and consumables.(Payment per fiber which splice not count total fiber of cable)	500.00	Numbers	₹337.59	AT Par	₹1,68,795.00
59	Description:- Supply and Installation of 65" Professional Large Format Display, 24 x7 for passenger amenities and train information display, as per technical specification	4.00	Numbers	₹1,82,413.50	AT Par	₹7,29,654.00
60	Description:- Supply and installation of Industrial grade 24X7 TV of 43 " LG samsung or sony as per technical spec.	6.00	Numbers	₹84,213.90	AT Par	₹5,05,283.40
61	Description:- Supply and installation power supply distribution box along with MCB/Fuseas perspecification and requirment given by site engineer .make 3M,SANTEL,ABB or similar.	6.00	Numbers	₹22,243.68	AT Par	₹1,33,462.08
62	Description:- Supply,Installation and commission of Desktop Client PC along with 600VA UPS as per spec.	6.00	Numbers	₹70,151.39	AT Par	₹4,20,908.34
63	Description:- Supply & installation of CAT-6 Surface mount info-outlet as perspecification.	20.00	Numbers	₹294.81	AT Par	₹5,896.20

64	Description:- Installation, testing and commissioning of Online UPS 1 KVA.	6.00	Numbers	₹402.85	AT Par	₹2,417.10
65	Description:- Supply & Installation of face to face enquiry consisting of an attendant unit, a customer unit and a power supply unit, which are easy to install and through dedicated cables as supplied with the system.	6.00	Numbers	₹9,180.27	AT Par	₹55,081.62
66	Description:- Installation and commissioning of mapple 4C and interigated acecess device necessary assare necessary accessories (power MCB,OFC patch cord krone and wiring material etc)also provided for installation item above supply. including necessary training of staff. As per engineer inchage.	10.00	Numbers	₹15,203.74	AT Par	₹1,52,037.40
67	Description:- Installation of Microcontroller based Quad Cable Conductor's Earth Resistance Sensing Unit, for 24 nos. conductors with metering facility for one conductor at a time.	10.00	Numbers	₹8,348.09	AT Par	₹83,480.90
TOTAL (SCHEDULE A+SCHEDULE B)						₹3,29,70,158.30
						Estd. Cost
						₹5,84,53,116.32

END OF REPORT