

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

**Expression of Interest for Selection of Partner from Empanelled Business Associate for South
East Central Railway, Tender No. 85-SNT-Proj-Tender-2024, Dt.04-01-2025**

For

Survey, Design, supply, Installation, Testing and Commissioning of KAVACH equipment's
and other associated works between NAGPUR-JHARSUGUDA section of South East
Central Railway.

EOI No: RCIL/WR/MUMBAI/MKTG/24-25/007, Dated: 20th Feb-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/24-25/007, Dated: 20th 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 “Survey, Design, supply, Installation, Testing and Commissioning of KAVACH equipment’s and other associated works between NAGPUR-JHARSUGUDA section of South East Central Railway.”

The details are as under:

1	Last date for submission of Technical Packet against EOIs by bidders	25-02-2025 at 16:00 Hours
2	Opening of Technical Bid of EOIs	25-02-2025 at 16:30 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	Token EMD for Pre-Bid Arrangement	5,00,000.00/-

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 : Sh. Mangesh Dahiwile
Designation : Senior Manager/ Marketing
E-Mail Address : mangeshd@railtelindia.com
Mobile No : +91- 9730094171

2. Level 2

Contact Name : Sh. Anand Kumar,
Designation : Joint General Manager/ Marketing
E-Mail Address : anandnkn@railtelindia.com
Mobile No : +91- 9004444107

Note:

1. Empanelled partners are required to submit soft copy of technical packet through an e-mail at eoI.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 document 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 has to give an undertaking they will not submit directly or indirectly their bids and techno-commercial solution/association with any other organization once selected in this EOI for pre-bid teaming arrangement (before and after submission of bid to end customer organization by RailTel). This undertaking has to be given with this EOI Response.
5. Partner can submit their response as an individual organization. Consortium is not permitted. The Bidder has to 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 “Nav Ratna” Government of India undertaking under the Ministry of Railways. The Corporation was formed in Sept 2000 with the objectives to create nationwide Broadband Telecom and Multimedia Network in all parts of the country, to modernize Train Control Operation and Safety System of Indian Railways and to contribute to realization of goals and objective of national telecom policy 1999. RailTel is a subsidiary of Indian Railways.

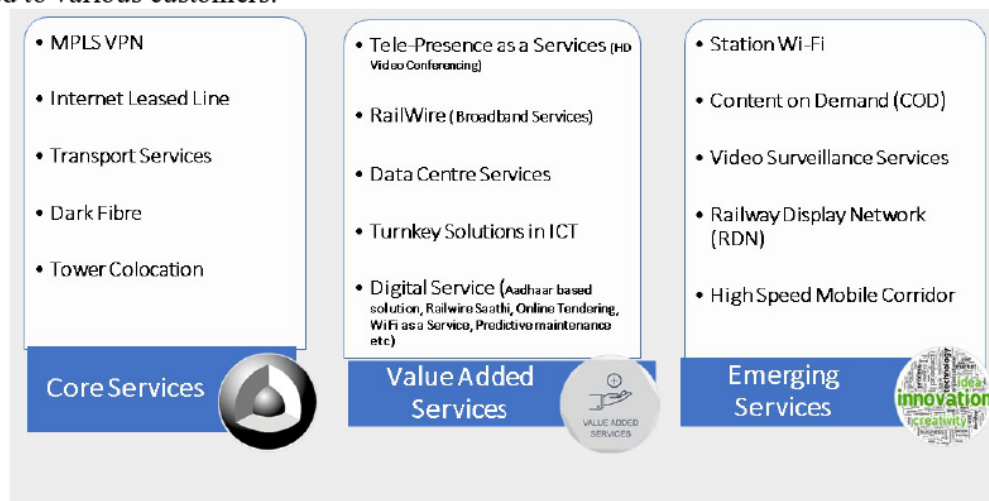
RailTel has approximately 65000+ kms of OFC along the protected Railway tracks. The transport network is built on high capacity DWDM and an IP/ MPLS network over it to support mission critical communication requirements of Indian Railways and other customers. RailTel has Tier-III Data Center in Gurgaon 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 “Survey, Design, supply, Installation, Testing and Commissioning of KAVACH equipment’s and other associated works between NAGPUR-JHARSUGUDA section of South East Central 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 “Survey, Design, supply, Installation, Testing and Commissioning of KAVACH equipment's and other associated works between NAGPUR-JHARSUGUDA section of South East Central Railway.”

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 :-

S No	Particulars	Criteria for Tender Package (Mandatory Compliance & Document Submission)
A)	Financial Conditions	
i)	Sole partner/all consortium members 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 INR 410 Cr. for last three years.	Turnover Certificate issued by the Chartered Accountant for sole partner / consortium partners. Certificate should contain UDIN no. issued by ICAI
iii)	Sole partner/ all consortium members should also have a positive net worth & be profitable in each of the last 3 financial years.	Positive Net Worth and Profitability Certificate issued by the CA for the last three financial years. Certificate should contain UDIN no. issued by ICAI.
B)	Technical Eligibility Criteria :	
iv)	The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii) One similar work costing not less than the amount equal to 60% of advertised value of the tender.	PO Copies along with client's Certificate and performance certificate.
C)	Similar work experience :-	
v)	One similar work each costing not less than the amount equal to 60% of advertised value of the tender. Similar work means : Supply, Installation, Testing & Commissioning of (i) KAVACH/TCAS OR (ii) RRI/PI/EI OR (iii) yard remodelling/IBS/ABS involving alteration to Electronic Interlocking OR (iv) Centralized Traffic Control System/ Train Management System OR (v) Automatic Train Protection System OR (vi) Automatic Block Signalling OR (vii) Intermediate Block Signalling [as standalone or as apart of composite signalling work for Sr. No. (vi) & (vii)].	PO Copies along with client's Certificate and performance certificate.
D)	Specific Technical Condition :	
vi)	(a) The Bidder should have completed minimum 80 Km of Auto Signalling work with Multi Section Digital Axle Counter (MSDAC) in a single contract in last five years upto the date of	PO Copies along with client's Certificate and performance certificate.

S No	Particulars	Criteria for Tender Package
		(Mandatory Compliance & Document Submission)
	publishing of this tender. (b) The bidder should have installed minimum 1000 Detection Points of Multi Section Digital Axle Counter (MSDAC) over Indian Railways in any consecutive 12 months in last five years.	
vii)	Certifications: 1) ISO 9001:2015	Copies of Certificates (priority will be given to higher level of certifications)

6. Bidder's Profile

The bidder including individual consortium members if any 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 reference shall be made regarding the tender enquiry. His/her telephone, mobile, Fax and email address	
6.	Bank Details (Bank Branch Name, IFSC Code, Account number)	
7.	GST Registration number	
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 mention 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,

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,

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,

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 that 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 binding 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 the parties have signed and executed this pact at the place and date first 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 x% 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 SECR Tender

Annexure 11 -Tender floated by SECR . (Items Selected for EoI)

19/02/2025, 15:26

Published Corrigendum Details

Corrigendum Details

Corrigendum No	2	Corrigendum Publish Date	05/02/2025 18:19
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Tender Details

Tender No	85-SNT-Proj-Tender-2024 (Open Tender)	Closing Date/Time	04/03/2025 12:00
Name Of Work	Survey, Design, supply, Installation, Testing and Commissioning of KAVACH equipments and other associated works between NAGPUR-JHARSUGUDA section of South East Central Railway.		

Items Modified

NIT Header

Field Name	Existing Value	Modified Value
Tender Closing Date Time	20/02/2025 12:00	04/03/2025 12:00
Bidding Start Date	06/02/2025	18/02/2025

Close

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

Dy.CSTE/Project-II/Bilaspur acting for and on behalf of The President of India invites E-Tenders against Tender No **85-SNT-Proj-Tender-2024** Closing Date/Time 10/02/2025 12:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	Survey, Design, supply, Installation, Testing and Commissioning of KAVACH equipment's and other associated works between NAGPUR-JHARSUGUDA section of South East Central Railway.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	10/02/2025 12:00	Date Time Of Uploading Tender	04/01/2025 21:30
Pre-Bid Conference Required	Yes	Pre-Bid Conference Date Time	15/01/2025 12:00
Advertised Value	1659115644.80	Tendering Section	PROJECT II
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	8445600.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	0.00	Period of Completion	18 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	27/01/2025	Are Joint Venture (JV) firms allowed to bid	Yes
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 1-Supply, installation, Testing & commissioning of KAVACH equipment's							526958562	Above/Below/Par
2	0	80.00	Station	2739381.00	219150480.00	AT Par	219150480.00	
	Description:- Alteration in Electronic Interlocking System, Integration of KAVACH interface with EI including protocol converter and associated hardware if any, FAT/SAT/Correspondence Testing as advised by site engineer, Wiring, testing and commissioning for KAVACH works.(Note: Alteration in EI based automatic Signalling for integration of Kavach in One Block Section will be treated as Station).							
3	0	36.00	Set	2578300.00	92818800.00	AT Par	92818800.00	
	Description:- Design & Documentation, Supply (Including 10% Spares) , Installation & Commission of L C TCAS Equipment consisting of Vital computer peripherals, 2 full duplex Radio modems, OFC modems, UHF antenna, GPS and GSM antenna and interfaces for various required antenna as per RDSO/SPN/196/2020 Version 4.0 or latest . This also includes earthing (Earth resistance less than 1 ohm) as per RDSO No- RDSO/SPN/197 Ver 1.0, wiring of Electrical/Quad/Optical cable, relay wiring, supply of tool kit and interlocking of relays including DC-DC converter and suitable power supply arrangement. Supply of earthing material and supply of relays is covered separately. Inspection by RDSO.(Note: Wherever maintenance free earth is available, it can be used for earthing. Wherever it is not available separate schedule for maintenance free will be operated.)							
5	0	85.00	Set	1025892.00	87200820.00	AT Par	87200820.00	
	Description:- Supply (Including 10% Spares) , Installation, Programming, Verification and Commissioning of RFID tags with redundancy with enclosures and fixtures at Station and block section. Station & its one adjoining block section (absolute/Automatic Block section for UP & DN line) will be counted as one set. This should comply to RDSO/SPN/196/ 2020 version 4.0 or latest . Inspection by RDSO							
6	0	3118.00	Numbers	16000.00	49888000.00	AT Par	49888000.00	
	Description:- Supply, Installation, Programming, Verification and Commissioning of RFID tags with enclosures and fixtures at block sections (absolute/Automatic Block section) for the 3rd & 4th line. This should comply to RDSO/SPN/196/2020 Version 4.0 or latest. Inspection by RDSO.							
13	0	3.00	Lumpsum	600000.00	1800000.00	AT Par	1800000.00	
	Description:- Key Management system (KMS) charges.							
19	0	1000.00	Numbers	4700.00	4700000.00	AT Par	4700000.00	
	Description:- Re-programming, Re-fixing and verification of existing RFID Tags.							
20	0	1000.00	Numbers	2000.00	2000000.00	AT Par	2000000.00	
	Description:- Re-programming of existing RFID Tags without shifting.							
23	0	15000.00	Numbers	1300.00	19500000.00	AT Par	19500000.00	

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

	Description:- Supply of RFID INDICATION BOARD (300 X 300mm) as per drawing No.KAVACH/RFID/Board/2024. Inspection by consignee.							
27	0	3.00	Numbers	16500000.00	49500000.00	AT Par	49500000.00	
	Description:- Supply, installation and commissioning of FAT setup at as per RDSO/SPN/196/2020 version 4.0 or latest. (Inspection by Consignee) (Note: Along with FAT Set UP, scope also includes: Supply, installation, testing and commissioning of Minimum 2Ton Air Conditioners of 2 Nos., UPS with minimum power backup of 1 Hrs. for FAT SET UP, required Chair (6 Nos.) & Modular Furniture/Table to make the FAT SETUP ready to use As per Annexure-IV) .							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl . (%)	Amount	Bidding Unit
Schedule 2-Execution of Signalling & Telecom work							81885550.70	Above/ Below/Par

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

1	0	442.00	Per Station per Month	24151.00	10674742.00	AT Par	10674742.00	
	Description:- Provision of Security Guards round the clock beat from Up Home Signal to Down Home Signal to avoid theft of signalling amenities in 12 hour shift Hrs Per Station per Month.							
2	0	8840.00	Metre	267.00	2360280.00	AT Par	2360280.00	
	Description:- Fabrication, supply and fixing aluminium ladder of size 25 X 25 X 5mm, 200mm width, arrangements for drawing various wires in the battery, equipment and relay rooms. (this includes all fittings, jamming, cementing, rivets, comers, bolts and nuts as per the site requirement including supply of cement and other necessary materials). as per instruction of site Engineer. Inspection by consignee.							
3	0	65.00	Set	27670.00	1798550.00	AT Par	1798550.00	
	Description:- Supply, installation and commissioning of SMPS based 110V/24-32V DC-DC converters containing 4 no. of 24-32V, 5 Amps DC/DC converter (internal (1+1), external (1+1)). Inspection by RDSO.							
4	0	5000.00	Metre	616.00	3080000.00	AT Par	3080000.00	
	Description:- Horizontal direction drilling (HDD)/Trenchless digging/machine drilling without damage to surface road track for laying/insertion of HDPE/GI/DWC pipe. The bore shall be done of min. diameter 120mm & at the depth of minimum 1400 mm from the ground level. The ground level shall be considered ignoring the bank height of the bank of the road. Note:- DWC/HDPE/GI Pipe Supply is not covered under this item. Contactor shall provide all material required for work and adequate nos, of labours for proper laying of cables into the bore. Cable shall be laid cautiously so that it should not get damage due to rough handling & pressure on cable. Payment of boring shall be made only after DWC/HDPE/GI pipe is laid in the bore.							
5	0	5000.00	Metre	540.00	2700000.00	AT Par	2700000.00	
	Description:- Cutting the chase upto a depth of minimum 500 mm and smoothening of inside surface in concrete and beds of rocks, cable laying/ placing HDPE pipe & concreting upto the ground level.							
6	0	5000.00	Per Relay	211.00	1055000.00	AT Par	1055000.00	
	Description:- Fixing of relay bases and wiring, bunching, fixing of relays, wiring in Old relay racks/location box and also carrying out any alteration in existing relay rack duly wiring and connecting New to old and Old to old relays by standard wires (RDSO Approved Sources) as per Circuit diagram. Fuses of bases, condensers, ND fuses, LED indicator & its wiring for relay rack. All materials required for this work will be supplied by the contractor from RDSO Approved Sources. Relays with accessories will be supplied by the Railway.							
7	0	12000.00	Per Conductor	9.00	108000.00	AT Par	108000.00	
	Description:- Cable termination including fixing terminals, fuses, ED etc Meggering the cables and recording the readings							
8	0	2000.00	Metre	2210.00	4420000.00	AT Par	4420000.00	
	Description:- Track crossing, Road Crossing by pushing method (HDD method) at culverts/ track / pucca road crossing at a depth not less than 1 meter with reference to bottom of rail/road surface including supply of GI/HDPE pipe. (b) GI pipe with 76 mm dia, Spec. No. -1239 medium grade (for the length of pushing more than 05 meters).							
9	0	800.00	Metre	335.00	268000.00	AT Par	268000.00	
	Description:- Excavation of trenches in all kinds of soils including soft rocky area and clearing of track etc. to a depth of 1.0 M and width of 0.3 M for track crossing / pucca road/level crossing gate/platform/station circulating area or any other place as advised by site Engineer including transportation and laying of DWC/RCC/Split RCC/G.I. pipes with or without coupler. This includes repairing of track/pucca road/level crossing gate/ platform/station circulating area surface to original position by ramming and concreting wherever required soon after the work is over. DWC/RCC/GI pipes shall be supplied by the Railway. DWC pipes wherever required shall be supplied in 6 Mtr. length and shall be cut to size as per requirement. All other materials including cement are to be supplied by the contractor.							
10	0	1000.00	Metre	7.00	7000.00	AT Par	7000.00	
	Description:- Jungle cutting along with the cable route and near towers.							
11	0	100.00	Set	113031.00	11303100.00	AT Par	11303100.00	
	Description:- Design of cable route plan, as per technical specification and supply of 6 sets of documents in proper binding from approved drawings shall be taken and submitted to Railways. This includes (but not limited to) circuit diagram, RFID Tag-TIN layouts, Table of Control for entire section, Stationary and Loco TCAS interface diagrams, power supply diagram and other manuals as specified by Railways.							
12	0	614.00	Route Kilo Meter (RKM)	11564.00	7100296.00	AT Par	7100296.00	
	Description:- Site survey for tower erection RSS Signals strength measurement, study of braking characteristic of electric /diesel loco, submission of drawings for installations of train borne and track equipments, design and installation of proto track equipments, design and installation of proto type for approval and obtaining approval of the same for radio survey.							

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

13	0	614.00	Kilometre	16642.55	10218525.70	AT Par	10218525.70	
	Description:- Survey of existing signaling infrastructure with LIDAR to obtain entire track profile for placement of RFID tags and mapping of absolute location for signals etc. (Insp Agency-Consignee)							
14	0	349.00	Station/IBH/Gate	2556.00	892044.00	AT Par	892044.00	
	Description:- Survey of Station/LC gate buildings for availability of space inside the Relay Room/Power Room for installing stationary TCAS equipment as per the enclosed format.							
15	0	240.00	Numbers	43453.00	10428720.00	AT Par	10428720.00	
	Description:- Alteration of database, faults, simulations in Data loggers and all connected places (like HQ, FEP, STATION, etc)							
16	0	50.00	Numbers	6760.00	338000.00	AT Par	338000.00	
	Description:- Supply Installation of of OFC joint enclosure and splicing of Optic fiber cable (24 fibres) and testing as per technical specification No. GR OJC- 2/02 Sept 2003. Supply of Splice Enclosure (24 fiber) shall be of TVS make or similar Part No.1500-L18X-XX as per Board specification of TEC (latest spec.) and Schedule of supply enclosed. All materials including Fusion splicing machine used for splicing and OTDR for testing and other testing materials if any shall be arranged by the contractor							
17	0	50.00	Numbers	8662.00	433100.00	AT Par	433100.00	
	Description:- Excavation of jointing pit without damaging the fiber and provision of joint chamber of 1.2 mtr dia, 60 cm height and 50 mm thickness with two piece top cover and bottom cover with holes for drainage and cable entry (the reinforcement drawing enclosed). This includes back filling and ramming of the trench after placing the joint closure and cable loop in the chamber without causing any damage to the same and consolidation of soil as well as disposal of soil as per plan and as advised by Railway Representative.							
18	0	370.00	Numbers	14750.00	5457500.00	AT Par	5457500.00	
	Description:- Supply and installation of fully loaded rack mounted 24F FMS fiber of Bestnet Make or similar to suit connectivity for switches and FMS with 24 nos. 0dB adaptors connected with suitable pigtails.							
19	0	150.00	Numbers	244.00	36600.00	AT Par	36600.00	
	Description:- Excavation of cable coil pit 1.5m length X 1.5m breadth in rear of relay room/AFTC huts.							
20	0	1000.00	Metre	1246.00	1246000.00	AT Par	1246000.00	
	Description:- Supply and Fixing of Perforated GI pipes of 100 mm dia for entry of cable on girder bridges, RCC bridges, drains, culverts, rocky places, tunnels/ deep cuttings or at places as advised by the engineer in charge of the work. This includes trenching up to the required depth as decided by the Engineer at site and making holes of 5 mm dia(approx.) at 20 cm intervals on the GI pipe. The pipes are to be fixed on the girder bridge by suitable bridge fixtures at an interval of 1.0 mts. (min) or directives of Railway Engineer. On RCC/masonry bridges or in rocky places, if required the entire length of the pipe is to be concreted up to a height of 100mm above the pipe. GI pipe shall be TATA or Jindal make.							
21	0	442.00	Numbers	8767.00	3875014.00	AT Par	3875014.00	
	Description:- Fixing of Class B&C arrestors supplied along with 63 Amp HRC input fuse and fuse base in wall mountable cabinet box of size 250mm (w)x 450mm(h)x 150mm(d) and commissioning. The box shall be made using MS sheet of 20 gauge or better with IP31 protection and power coating. A door knob shall be provided to open the front door to access the fuse. Provision shall be made to view the working condition of class C arrestors from front side of the cabinet. All the internal power wiring shall be made using 10Sq.mm PVC cable on suitable termination. The PF contacts of class C arrestor shall be wired using 2.5Sq.mm cable. The earthing point on the arrestor shall be connected to the maintenance free earth bus bar using insulated cadmium bronze cable of size 3/16". The connecting cable used to extend main power to surge arrestors shall be PVC insulated cable of multi-strand copper cable of 10Sq.mm size. All the materials required for the above work except surge arrestors and cadmium cable(Covered in supply portion) are to be arranged by contractor.							
22	0	443.00	Lumpsum	103.00	45629.00	AT Par	45629.00	
	Description:- Cutting and fixing of Hylam sheet of 6 mm thickness to suit to 1 way relay rack and fixing the following with contractors screws, bolts and nuts and fixing strips, condensers and resistances of various values - 50 No.							
23	0	3240.00	Day	608.00	1969920.00	AT Par	1969920.00	
	Description:- Providing the services of Computer oriented technical manpower to carryout works like Drawing, computation, write up etc., using computer, using software like AUTOCAD, MS Office etc., for 08.00 hrs in a day with all expenses of transportation, accommodation, food, consumables etc., with all ascents, descents, taxes, octroi, cess, fees, duties, duties with contractors cost etc., as per special conditions/ specifications/ regulations and as directed by Engineer-in-charge. Note: The person engaged for providing the services shall be convergent with computer working knowledge in above software.							
24	0	1.00	Per Unit	64900.00	64900.00	AT Par	64900.00	
	Description:- Supply and installation of Software for MS Project Plan 3 with two years subscription for monitoring the work at various levels. Per Unit stands for User.							
	0	60.00	Month	31027.00	1861620.00	AT Par	1861620.00	

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

25								
	Description:- Transportation of light materials/men with tools, documents from central location to the work spot and back (Per month).							
26	0	15.00	Numbers	9534.00	143010.00	AT Par	143010.00	
	Description:- Supply and installation of UPS 1000VA , 30 min backup, Numeric / APC, as per instructions of engineer in charge. Inspection by consignee.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 3-Supply of Signalling & Telecom materials							40575001.10	Above/ Below/Par
1	0	60.00	Kilometre	76811.00	4608660.00	AT Par	4608660.00	
	Description:- Supply of 40 mm diameter permanently lubricated HDPE telecom: ducts (with chord) as per RDSO SPEC. No. RDSO/SPN/TC/15/2013 Rev. 2.0 with latest amendments or Latest in length of 1000mtrs/roll for each km. Of HDPE duct following item are to be supplied (a) end plugs- 2 nos. (b) cable sealing plugs -2 nos .(c) plastic couplers slip fit /pushfit type - 2 nos. (d) end caps to be provided along with drum- 2 nos. Colors advised for pipe is 50% bright Orange & 50% bright Green. The following materials are to be supplied with every lot of 10 km (i) Rotary duct cutter - 1no. (ii) C spanner - 1no. (iii) Chamfering tool - 1no. Inspection by RITES.							
2	0	5000.00	Metre	394.00	1970000.00	AT Par	1970000.00	
	Description:- Cable PVC insulated single core unsheathed with plain annealed copper conductor as per the colour coding scheme of Railways. Spec. no: IRS-S-76/89 with latest ammendment. Inspection by Rep. of Railway Engineer.(i) Multi strand ISI copper cable (35 Sq.mm) (Red-45%, Black-45% & Green-10%).							
3	0	17680.00	Set	632.00	11173760.00	AT Par	11173760.00	
	Description:- Supply of clip on terminals (WAGO Terminal) as per RDSO Specification No. 189/2004 which consists as per following: a) 2 Conductor disconnect type terminal block as per Model No. 280- 870 -- Qty: 6 No. b) End plate type 280-374 suitable for disconnect terminal of Model No.280-870 -- Qty: 1 No. c) End stop terminal block type 249-117 -- Qty: 2 No. d) Shorting links (16A) as per model 280-402. Qty.6 Nos. (Inspection by RDSO)							
4	0	117.00	Numbers	3096.00	362232.00	AT Par	362232.00	
	Description:- Supply of Tag block 200 way to RDSO Spec. No. IRS.S.77/2006 (Rev.1) of Drg.No.SA.24751 (STATION+LC AU FOR TCAS WORK)							
5	0	220.00	Numbers	19499.00	4289780.00	AT Par	4289780.00	
	Description:- Supply of lightening and surge arrestors of class B&C suitable for single phase supply in TT network as per amendment 5 of RDSO spec. No. RDSO/SPN/165/2004 or or Latest and as recommended by RDSO letter No. STS /E/IPS/GENL dtd: 27.01.06 (Amendment 5). Inspection by RITES.							
6	0	220.00	Numbers	78.00	17160.00	AT Par	17160.00	
	Description:- Supply of Universal lock with one key for every 10 locks. Inspection by consignee.							
7	0	1000.00	Metre	158.00	158000.00	AT Par	158000.00	
	Description:- Supply & laying of DWC pipe of 77 mm outer dia/63 mm inner dia in length of 6 Mtr with coupler. Inspection by Rep. of Railway Engineer.							
8	0	15.00	Numbers	80102.00	1201530.00	AT Par	1201530.00	
	Description:- Handheld similar to MECO electronic earth tester make MECO model no 4680B/higher version or similar. Inspection by consignee.							
9	0	15.00	Numbers	6098.00	91470.00	AT Par	91470.00	
	Description:- Supply of Clip On Meter similar to MECO 2700 Model or equivalent with similar features. Inspection by consignee.							
10	0	15.00	Numbers	3888.00	58320.00	AT Par	58320.00	
	Description:- Supply of digital insulation tester: Specification range 50V-1000V DC, Voltage 25V-600V AC/DC, Continuity, Low ohms and strong memory last 50 reading with fuse blown indicator. Make Rishab/ Meco/Fluke or similar. Inspection by consignee.							
11	0	15.00	Numbers	25611.00	384165.00	AT Par	384165.00	
	Description:- Supply of Digital multimeter Fluke-289 or latest higher version with testing lead complete with case and spare set of batteries. Inspection by consignee.							
12	0	6.00	Numbers	296233.00	1777398.00	AT Par	1777398.00	
	Description:- Supply of portable Cable fault locator (Metallic Time Domain Reflectometer) suitable in RE/Non RE Railway territory with all accessories for locating faults such as loop and break in various twisted pair cable such as underground telecom quad cables, signalling cables , telephone jelly filled cables, LAN etc. Instrument to be supplied with protective nylon carrying bag and operators manual. make/model:Radio detection riser bond, Model 3300 or make/model;RC-RT (TDR) MRPC/Rail 2018 or latest equivalent along with other OEM or OEM authorized with documentary proof. Inspection by consignee.							

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

13	0	6.00	Numbers	519731.00	3118386.00	AT Par	3118386.00	
	Description:- Supply of Cable (route) locator - RIDGID make model SR-20 or similar. Inspection by consignee.							
14	0	324.00	Numbers	4071.00	1319004.00	AT Par	1319004.00	
	Description:- Supply of Reclining Chair for Camping to be used in field during inspection and SAT testing of Dechathlon make or similar. Inspection by consignee.							
15	0	160.00	Sqm	5224.45	835912.00	AT Par	835912.00	
	Description:- Supply of thick Kodak photo paper with lamination of various sizes with different letterin and lauguages in required size as per the instructions of site incharge. Proportionate payment to the size of boards. Inspection by consignee.							
16	0	15.00	Numbers	34466.00	516990.00	AT Par	516990.00	
	Description:- Supply of A3 Printer for printing NMS fault and exception reports similar to Epson L 1300 model or latest. Inspection by consignee.							
17	0	250.00	Numbers	1897.44	474360.00	AT Par	474360.00	
	Description:- Provision of CUG Sims for Train Collision Avoidance System. Inspection Agency: Consignee.							
18	0	15.00	Numbers	98850.00	1482750.00	AT Par	1482750.00	
	Description:- Supply of maintenance console (PC & printer) with one set of table and chair for datalogger/RTU for online tracking and monitoring of station position as per "Annexure-I" enclosed. Inspection by Rep. of Railway Engineer.							
19	0	1500.00	Numbers	1133.00	1699500.00	AT Par	1699500.00	
	Description:- Supply of Optical fibre Patch cords with SC-SC or suitable connectors on both ends as per site requirement for interconnection between FMS to FMS or other device of length 10 Mtrs. Each as per TEC 0 240 Numbers 1232.00 At Par 295680.00 Specification No. G/OFJ-01/03 JUN 99 (With latest amendment). Max Permissible loss-0.2dB. Inspection by Rep.of Railway Engineer.							
20	0	6.00	Numbers	192750.00	1156500.00	AT Par	1156500.00	
	Description:- Digital copier/Scanner and networking system for preparation of RFID Tag DATA, Tower Drawings, Station TCAS circuits, daily TCAS NMS reports to Divisions, HQRS, RDSO and Railway Board, documentation of other TCAS . Inspection by consignee.							
21	0	5.00	Numbers	69609.00	348045.00	AT Par	348045.00	
	Description:- Supply of Handheld service terminal/ portable service terminal compatible with EMS & NMS as per specification contained in tender document. It shall be capable to plug-in remote service terminal either in interface provided at ADM, Digital Cross connect or Multiplexer, Programming any network element from any location of the network. It shall be possible to read any fault status of any ADM, Cross connect, MUX by using service terminal. (Specification as per Annexure-II)							
22	Please see Item Breakup for details.				773500.00	AT Par	773500.00	
	Description:- Non-deteriorating type low voltage electric fuse for Railway signalling, rated voltage 240 V AC/DC fuse with cylindrical cap without indication size :14x 51 mm. Spec. no: IRS-S-78/92 with latest amendment if any. Inspection by RDSO.							
23	0	15.00	Numbers	15866.94	238004.10	AT Par	238004.10	
	Description:- Supply of EURO rack for Data logger (insp. by Consignee)							
24	0	15.00	Numbers	36000.00	540000.00	AT Par	540000.00	
	Description:- Supply of Analog Mother Board (EFF-827) for 99/0 for Datalogger (Insp Agency-RDSO)							
25	0	15.00	Numbers	60000.00	900000.00	AT Par	900000.00	
	Description:- Supply of Extension mother board for 99/06 Data Logger. (insp. by RDSO)							
26	0	40.00	Numbers	5250.00	210000.00	AT Par	210000.00	
	Description:- Supply of 128 inputs digital tag block for Datalogger (insp. by Consignee)							
27	0	30.00	Numbers	1420.00	42600.00	AT Par	42600.00	
	Description:- Supply of Protection strip for 99/06 DL with ribbons and other accessories for Datalogger (Insp. By Consignee)							
28	0	15.00	Numbers	23625.00	354375.00	AT Par	354375.00	
	Description:- Supply of Analog with Controller Card (EFF-828) for 99/06. for Datalogger (Insp. By RDSO)							
29	0	20.00	Numbers	8630.00	172600.00	AT Par	172600.00	
	Description:- Supply of Rare plate and 64 Pin Connectors for Datalogger (Insp. By Consignee)							
30	0	30.00	Numbers	10000.00	300000.00	AT Par	300000.00	
	Description:- Up gradation installation Testing & commissioning of Existing data logger							
S.No.	Item Cod	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl	Amount	Bidding Unit

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
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Schedule 4-Supply of Cables							20955340.00	Above/ Below/Par
1	0	60.00	Kilometre	88068.00	5284080.00	AT Par	5284080.00	
	Description:- Supply of 2 4 Fibre armoured OFC as per RDSO spec No. RDSO/SPN/TC/110/2020 or latest. Inspection by RDSO.							
2	0	60.00	Kilometre	217114.00	13026840.00	AT Par	13026840.00	
	Description:- Supply of Cable 12 core Un Screened, PVC insulated, Armoured, Under Ground railway signalling cable (copper conductor) 1.5 Sq.mm, RDSO specification No. IRS:S:63/2014 (Rev 4.0) or Latest. Inspection by RDSO.							
3	0	10.00	Kilometre	264442.00	2644420.00	AT Par	2644420.00	
	Description:- Supply of Underground Railway jelly filled 6 Quad cable with spec no. IRTS 30-2005 Ver 1. with amen. 1 to 5 or latest of size dia 0.9mm in drums of 1 km. Inspection by RDSO.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 5-Supply & Execution of Drawing							3312684.00	Above/ Below/Par
1	0	7632.00	Per Page	87.00	663984.00	AT Par	663984.00	
	Description:- Drafting, Correction, Editing and final Printing and binding of SWR/ GWR/Temporary working Rules of station to suite the SWRD, SIP etc in both Hindi and English. After signature Printing and binding of the SWR/GWR in 06 copies.							
2	0	3240.00	Sheet	817.50	2648700.00	AT Par	2648700.00	
	Description:- Design & Preparation of Circuits and drawings (a) Design and development of Route Control Chart (RCC) in size B(A3) as per SEM.(b) Design and development of Circuit Diagram/Logic in size B(A3) as per SEM sheet including contact analysis.(c) Other Signalling Drawing in size U(A3) as per SEM sheet (wiring in location box) (d) Miniature diagram in size B(A3)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 6-Execution of Civil Works(USSOR-2010)							37033000.00	Above/ Below/Par
1	0	1.00	Lumpsum	37033000.00	37033000.00	AT Par	37033000.00	
	Description:- Execution of all works as per Indian Railway Unified Standard Specifications (Works & materials) connected with the work covered under S.E.C. Railway USSOR (Works & Materials) 2010. This is the tentative value of works to be executed against different sections of SECR for guidance of tenderers (Item Directory -SECR HQ-USSOR-2010-1-Ver-2010). Details attached as Annexure-III.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 7-Supply of Electrical General materials for S&T Goomties(Non SOR)							1162755.00	Above/ Below/Par
1	0	400.00	Numbers	510.00	204000.00	AT Par	204000.00	
	Description:- Supply of 20W LED 4' tube light fitting with tube and all its standard accessories. Inspection by Rep. of Railway Engineer.							
2	0	100.00	Numbers	1342.00	134200.00	AT Par	134200.00	
	Description:- Supply of energy efficient Ceiling fan (5 star rating), 1200 mm sweep along with electronic fan regulator & all accessories to work on 230 Volts AC supply. (Crompton, Usha, Havells or Konark make). Inspection by Rep. of Railway Engineer.							
3	0	20.00	Numbers	1694.00	33880.00	AT Par	33880.00	
	Description:- Supply of exhaust fan of 300 mm sweep complete with all accessories to work on 230 Volts AC supply. (Crompton, Usha, Bajaj, Havells, Khaitan, Anchor or Surya make. Inspection by Rep. of Railway Engineer.							
4	0	100.00	Numbers	720.00	72000.00	AT Par	72000.00	
	Description:- Supply of DP MCB 32 A MCB complete with sheet steel enclosure , powder painted. Inspection by Rep. of Railway Engineer.							
5	0	100.00	Numbers	2880.00	288000.00	AT Par	288000.00	
	Description:- Supply of 25W LED outdoor LED street light with complete fitting & all its standard accessories,comprises of pressure die cast aluminium housing powder coated in graphite grey and toughened glass. Inspection by Rep. of Railway Engineer.							
	0	100.00	Numbers	164.00	16400.00	AT Par	16400.00	

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Tender No: 85-SNT-Proj-Tender-2024

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6	Description:- Supply of 5 pin modular socket outlet with switch of 6 Amps capacity & 250V grade complete with accessories. (ABB, Havells, Wipro, Anchor, HPL or any other make that confirms to respective IS). 230V. Inspection by Rep. of Railway Engineer.
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7	0	100.00	Numbers	251.00	25100.00	AT Par	25100.00	
Description:- Supply of 5 pin modular socket outlet with switch of 16/6 Amps capacity & 250V grade complete with accessories. (ABB, Havells, Wipro, Anchor, HPL or any other make that confirms to respective IS). Inspection by Rep. of Railway Engineer.								
8	0	100.00	Numbers	1485.00	148500.00	AT Par	148500.00	
Description:- Supply of MS distribution box of size 200 x 200 x 120 mm with 2 Nos suitable size aluminium busbar arrangement of 100 Amps capacity. Inspection by Rep. of Railway Engineer.								
9	0	25.00	Numbers	867.00	21675.00	AT Par	21675.00	
Description:- Supply of JB of 200 x 150 x 80 mm with Hylam sheet. Inspection by Rep. of Railway Engineer.								
10	0	100.00	Numbers	1434.00	143400.00	AT Par	143400.00	
Description:- supply of wall mounted 4 way metallic sub-distribution board with 04 Nos 250V, 16A SP MCB, busbar, neutral and earthing arrangement etc. Inspection by Rep. of Railway Engineer.								
11	0	100.00	Numbers	756.00	75600.00	AT Par	75600.00	
Description:- Supply of Bulk head fitting with glass dome, wire guard & 5W LED lamp and all its standard accessories. Inspection by Representative of Railway Engineer.								

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl . (%)	Amount	Bidding Unit
Schedule 8-Electrical(General) Execution work for S&T Goomties (Non SOR)							513965.00	Above/ Below/Par
1	0	100.00	Numbers	285.00	28500.00	AT Par	28500.00	
Description:- Fixing, wiring & testing of out door LED fitting with short arm fixture.								
2	0	400.00	Numbers	13.00	5200.00	AT Par	5200.00	
Description:- Fixing of of LED tube light, bulkhead, fitting								
3	0	100.00	Numbers	15.00	1500.00	AT Par	1500.00	
Description:- Fixing & connecting of ceiling fan								
4	0	20.00	Numbers	27.00	540.00	AT Par	540.00	
Description:- Fixing & connecting of exhaust fan								
5	0	600.00	Numbers	443.00	265800.00	AT Par	265800.00	
Description:- Concealed wiring for lights, exhaust & fans with modular type switches : Concealed wiring with modular type switches 1.5 sq mm single core flexible FRLS copper wire as per representative of Railway Engineer.								
6	0	100.00	Numbers	13.00	1300.00	AT Par	1300.00	
Description:- Fixing & connecting of socket outlet with switch of 5 pin, 16/6 Amp capacity & 250 volts								
7	0	100.00	Numbers	52.00	5200.00	AT Par	5200.00	
Description:- Erection, testing and commissioning of MCB-DP of 32 Amp capacity and 250V with sheet metal enclosure.								
8	0	100.00	Numbers	187.00	18700.00	AT Par	18700.00	
Description:- Fixing & Installation of MS distribution box								
9	0	25.00	Numbers	85.00	2125.00	AT Par	2125.00	
Description:- Fixing of Junction Box								
10	0	100.00	Numbers	1790.00	179000.00	AT Par	179000.00	
Description:- Supply of earthing materials & erection of earth electrodes/station as per details described in EXPLANATORY NOTES.								
11	0	100.00	Numbers	61.00	6100.00	AT Par	6100.00	
Description:- Erection of Metallic distribution board								

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl . (%)	Amount	Bidding Unit
Schedule 9-Hiring of Vehicle							4644000.00	Above/ Below/Par
1	0	108.00	Month	43000.00	4644000.00	AT Par	4644000.00	
Description:- Hiring of Vehicle for execution of the TCAS Project (Monthly basis cab & Taxi Hiring services-SUV or Similar; 2500 KM per month outstation 24*7)								

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl . (%)	Amount	Bidding Unit
Schedule 10-Supply & Execution of Man Power							2119050.00	Above/ Below/Par

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1	0	1500.00	Day	804.70	1207050.00	AT Par	1207050.00	
	Description:- Hiring of Skilled Labour assistance SE/JE in day to day works i.e. assisting for exact fixing of RFID tags, TCAS units, identifying ECR/ECPR contacts, static and dynamic testing, taking of measurements, nothing of daily work status, carrying the tools & equipments etc watch & ward during the course of execution of work as per the instructions of concerned SE/JE (as per chief labour commissioner letter No.1/131/1/2016-LS-II dt:31.3.16)							
2	0	1500.00	Day	608.00	912000.00	AT Par	912000.00	
	Description:- Hiring of Unskilled Labour assistance SE/JE in day to day works i.e. giving marking of cable route, cable laying, taking o f measurements, noting o f daily work status, carrying the tools & equipment etc., watch & ward during t he course o f execution o f work a s p e r t he instructions of cenerned SE/JE (as per chief labour commissioner letter No.1/131/1/2016-LS-II dt:31.3.16)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 11-SOR-(Schedule-A)-Execution of Out Door Signalling work							19251137.00	Above/ Below/Par
1	0	15.00	Kilometre	92115.00	1381725.00	AT Par	1381725.00	
	Description:- Excavation of trench and clearing of roots of trees, bushes, ballast and reconditioning etc., including bailing out water and disposal of extra soil. All soils including soft rocky area-Depth 1.2 Mtr. & width 0.3 Mtr. Note: This includes guarding of cables, relaying of cables and redoing of cable jointing in case of the thefts or otherwise at contractor's own cost till commissioned. [SOR-2021 for S&T works- Sch 'A' item no. 1(i)(a)]							
2	0	50.00	Kilometre	76590.00	3829500.00	AT Par	3829500.00	
	Description:- Excavation of trench and clearing of roots of trees, bushes, ballast and reconditioning etc., including bailing out water and disposal of extra soil. All soils including soft rocky area-Depth 1.0 Mtr. & width 0.3 Mtr. Note: This includes guarding of cables, relaying of cables and redoing of cable jointing in case of the thefts or otherwise at contractor's own cost till commissioned. [SOR-2021 for S&T works- Sch 'A' item no. 1(i)(b)]							
3	0	3000.00	Metre	115.00	345000.00	AT Par	345000.00	
	Description:- Excavation of trench and clearing of roots of trees, bushes, ballast and reconditioning etc., including bailing out water and disposal of extra soil. Hard rocky area including concreting-Chase cutting and smoothening of inside surface of sizes 0.08 m deep and 0.17 m width at platform and cemented floor area. Note: This includes guarding of cables, relaying of cables and redoing of cable jointing in case of the thefts or otherwise at contractor's own cost till commissioned. [SOR-2021 for S&T works- Sch 'A' item no. 1(ii)(a)]							
4	0	100.00	Kilometre	16740.00	1674000.00	AT Par	1674000.00	
	Description:- Laying of Signalling Cable/Power/Quad cable / PIJF cable in the excavated trench to Drg.No:CON/SK/T/5.Transportation, supply of 'U' clamps and anchoring of cable at every 10 Mtrs with 'U' clamp to Drg.No:CSTE/C/Cable/81 including back filling with excavated earth and ramming of trenches after cable laying. Note: This includes guarding of cables, relaying of cables and redoing of cable jointing in case of the thefts or otherwise at contractor's own cost till commissioned. [SOR-2021 for S&T works- Sch 'A' item no. 2(a)]							
5	0	3000.00	Metre	775.00	2325000.00	AT Par	2325000.00	
	Description:- Laying of RCC pipe including supply of required quantity at site with collars (for jointing pipe) 150 mm nominal dia to Spec.No:IS-458 in excavated trench and laying of Signalling/ Power cable/PIJF cable/ Quad cables/HDPE pipe through RCC pipe. Power cable shall be laid in the same trench alongwith signalling/Quad cables but in a separate pipe RCC pipe at track/pucca road/ Platform crossing/ level crossing gate etc. Note: This includes guarding of cables, relaying of cables and redoing of cable jointing in case of the thefts or otherwise at contractor's own cost till commissioned. [SOR- 2021 for S&T works-Sch 'A' item no. 2(d)]							
6	0	60.00	Per Unit	1282.00	76920.00	AT Par	76920.00	
	Description:- Shifting of cables in roll with or without wooden drums from other than nominated consignee depot and meggering before loading and after laying and recording the values in cable insulation register along with representative of Railways. Here per unit denotes Drum/Roll. [SOR-2021 for S&T works-Sch 'A' item no. 3]							
	0	220.00	Numbers	17067.00	3754740.00	AT Par	3754740.00	

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
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7	Description:- The excavation of pit, casting of concrete foundation including surrounding earthwork along the foundation, erection, installation and wiring of steel apparatus case, fixing of terminals, fuse blocks, signal transformer, current transformer, filament switching unit, track battery chargers, adjustable/fixed resistances, choke coils, Fuses, Relays, E type locks , termination of cables, cable insertion, wiring to draw 110V AC therefore in the new apparatus case as required, testing, commissioning including subsequent alterations (if required), bunching of cables, earthing of cable, armours etc. Painting of the apparatus case inside and outside after clearing the surface thoroughly and first coating of anti -corrosive paint and subsequent two coatings of Aluminum paint outside and Red Oxide inside and lettering. 18 mm Hylum sheet for location box shelf and 12 mm for cable termination in location box. Steel apparatus case (Large) to Drg. No. CON/SK/T/8 with 4 Nos. of foundation bolts 20mm x 460mm to Drg. No. SA-112 A/M or latest.NOTE: - Payment can be released in a part for the above said work after completion of- (i) Foundation- 30%,(ii) Erection - 15% , (iii) Wiring, testing, painting, sand filling, plastering, earthing & writings etc - 45% ,(iv) Commissioning - 10% of the rate.[SOR-2021 for S&T works-Sch 'A' item no. 4(a)]							
8	0	442.00	Numbers	1941.00	857922.00	AT Par	857922.00	
	Description:- Excavation of earth pit, transportation, placing and fixing of earth electrode with construction of cement enclosure to Drg. No. CON/SK/T/9 and CON/SK/T/9A and drawl of GI wire wrapped on MS strip (35 x 6 mm) from earth electrode to all signalling equipments, including fixing and soldering of lugs at both end of the wire.[SOR-2021 for S&T works-Sch 'A' item no. 8]							
9	0	200.00	Hour	603.00	120600.00	AT Par	120600.00	
	Description:- Deployment of Prokline/ Hydra operation at site for exposing the burried cables or relocation the Location Box/ Signal Post with foundation as per the advice of Railway site engineer. [SOR-2021 for S&T works- Sch 'A' item no. 28]							
10	0	1500.00	Numbers	415.00	622500.00	AT Par	622500.00	
	Description:- Fixing of concrete cable route marker at 30-40 meter and at diversion point including supply & transportation of cable route marker at site. Detail size & fixing of cable route marker should be followed as per drawing no. SDO/Cable laying/020.[SOR-2021 for S&T works-Sch 'A' item no. 32]]							
11	0	1000.00	Metre	241.00	241000.00	AT Par	241000.00	
	Description:- Physical tracing and opening/locating of existing working cables by precession digging for diversion of cables in connection with cable clearance for engineering earth work without interfering the circuits as per the advice of Railway site engineer. [SOR-2021 for S&T works- Sch 'A' item no. 30]							
12	0	60.00	Kilometre	32603.00	1956180.00	AT Par	1956180.00	
	Description:- Laying of second class bricks including supply of required quantity at site on single/multiple cable laid in the trench (Approx 9 bricks per mtr).NOTE : This includes guarding of cables, relaying of cables and redoing of cable jointing in case of the thefts or otherwise at contractor's own cost till commissioned.[SOR-2021 for S&T works- Sch 'A' item no. 2(g)]							
13	0	25000.00	MT-Km	38.00	950000.00	AT Par	950000.00	
	Description:- Collecting, stacking with deployment of Man power, Hydra etc for Loading/ Unloading and Transportation of Materials (Fresh/Released/ Unused) from (i) work site to GSD/Raipur, (ii) work site to the store of SSE(SIG)/CON,(iii) any store depot to any other store depot over Indian railways as decided by Railway Administration by suitable Trucks and stacking properly.[SOR-2021 for S&T works- Sch 'A' item no. 17]							
14	0	442.00	Sqm	2525.00	1116050.00	AT Par	1116050.00	
	Description:- Supply, Transportation, fabrication and fixing of Hylum sheet of 12 mm thickness as per site requirement.[SOR-2021 for S&T works-Sch 'A' item no.37]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 12-SOR-(Schedule-A1)-Execution of Indoor Signalling work							20206325.00	Above/ Below/Par
1	0	250.00	Numbers	48363.00	12090750.00	AT Par	12090750.00	
	Description:- Q-series/Composite Relay Racks and cable termination racks (New).NOTE: Payment can be released in a part for the above said work after completion of- (i) Erection- 15%,(ii) Wiring, testing, painting, earthing & writings etc - 75% ,(iii)Commissioning of Relay rack/Composite rack/CTR- 10% of Schedule rate.[SOR-2021 for S&T works-Sch 'A1' item no. 1(a)]							
2	0	405.00	Numbers	19785.00	8012925.00	AT Par	8012925.00	
	Description:- Alteration of existing Q-series/Composite Relay Racks and cable termination racks. [SOR-2021 for S&T works-Sch 'A1' item no. 1(b)]							
3	0	170.00	Each	310.00	52700.00	AT Par	52700.00	
	Description:- Charging and installation of secondary cell 2 V (lead acid type), and preparation of electrolyte for lead acid cells. If power is not available at site of work, charging may be done at nearby location as per convenience of the Railway. Initial Charging to be done in presence of Rlys representative from executive agency as well as maintenance org, with uninterrupted supply.(i) 2 Volt 40AH/80AH/120AH/200AH/300AH. [SOR-2021 for S&T works- Sch 'A1' item no. 4]							
	0	50.00	Numbers	999.00	49950.00	AT Par	49950.00	

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4	Description:- Installation, cable termination, wiring, testing of magneto telephones.[SOR-2021 for S&T works Sch 'A1' item no. 13]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 13-SOR-(Schedule-B)-SUPPLY OF FERROUS MATERIALS							6385666.00	Above/ Below/Par
1	0	230.00	Numbers	9386.00	2158780.00	AT Par	2158780.00	
	Description:- Relay Rack for 'Q' Series Relay as per Drg. No: SK/DRG/OL/SER/192 SH 2/2. The relay racks must be powder coated of stone grey colour. Inspection by Rep. of Railway Engineer.[SOR-2021 for S&T works-Sch 'B' item no. 17]							
2	0	20.00	Numbers	10935.00	218700.00	AT Par	218700.00	
	Description:- Composite Relay Rack as per drg.No.SK/DRG/OL/SER/192- SH1/2.The relay racks must be powder coated of stone grey colour. Inspection by Rep. of Railway Engineer.[SOR-2021 for S&T works-Sch 'B' item no. 18]							
3	0	442.00	Numbers	1213.00	536146.00	AT Par	536146.00	
	Description:- Earth Electrodes to Drg. No: Con/SK/8/3/84. Inspection by RITES. [SOR-2021 for S&T works-Sch 'B' item no. 25]							
4	0	220.00	Numbers	15782.00	3472040.00	AT Par	3472040.00	
	Description:- Steel Apparatus Case(Large) as per Drg.No.Con/SK/1/1/86 , with E type lock on both side having ward No.32.Inspection by RITES.[SOR-2021 for S&T works-Sch 'B' item no. 14]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 14-SOR-(Schedule-B1)-Supply of Signalling Battery (Secondary cell)							947580.00	Above/ Below/Par
1	0	170.00	Numbers	5574.00	947580.00	AT Par	947580.00	
	Description:- Low maintenance lead acid stationary secondary cells for S&T installations made of hard rubber container and with initial charging of nominal voltage 2 volts as per Specn.No.IRS-S-88/2004 with latest amd. Inspection by RDSO. - 200 AH. [SOR-2021 for S&T works- Sch 'B1' item no. 1(a)(iii)]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 15-SOR-(Schedule-B2)-Supply of Signalling materials							16453602.00	Above/ Below/Par
1	0	30.00	Kilometre	122245.00	3667350.00	AT Par	3667350.00	
	Description:- Cable PVC insulated single core unsheathed with plain annealed copper conductor as per the colour coding scheme of Railways. Spec. no: IRS-S-76/89 with latest amendment. Inspection by Rep. of Railway Engineer. Multi strand ISI copper cable (16 Sq.mm) (Red-45%, Black-45% & Green-10%).[SOR-2021 for S&T works- Sch 'B2' item no.1(ii)(e)]							
2	0	50.00	Kilometre	116166.00	5808300.00	AT Par	5808300.00	
	Description:- Cable PVC insulated single core unsheathed with plain annealed copper conductor as per the colour coding scheme of Railways. Spec. no: IRS-S-76/89 with latest amendment. Inspection by Rep. of Railway Engineer. Multi strand ISI copper cable (10 Sq.mm) (Red-50%, Black-50%).[SOR-2021 for S&T works-Sch 'B2' item no. 1(ii)(d)]							
3	0	400.00	Kilometre	10784.00	4313600.00	AT Par	4313600.00	
	Description:- Cable PVC insulated single core unsheathed with plain annealed copper conductor as per the colour coding scheme of Railways. Spec. no: IRS-S-76/89 with latest amendment. Inspection by RDSO. 16/0.2 mm dia. (50% grey, 30% black & 20% yellow). [SOR-2021 for S&T works-Sch 'B2' item no. 1(i)(c)]							
4	0	12.00	Kilometre	147469.00	1769628.00	AT Par	1769628.00	
	Description:- Cable PVC insulated single core unsheathed with plain annealed copper conductor as per the colour coding scheme of Railways. Spec. no: IRS-S-76/89 with latest amendment. Inspection by RDSO. Indoor cable as per IRS-S-76/89 with latest amendment. 60x0.6 mm dia, [SOR-2021 for S&T works- Sch 'B2' item no.1(i)(e)]							
5	0	884.00	Numbers	361.00	319124.00	AT Par	319124.00	
	Description:- ARA terminal for Signalling Installation with PBT materials. Inspection by RDSO.6 Way (ARA terminal) Drg No.SA-23756 Alt3, Specn No. IRS-S-75/2006 (Rev.-2) with latest amd. [SOR-2021 for S&T works-Sch 'B2' item no. 5]							
	0	20.00	Numbers	14375.00	287500.00	AT Par	287500.00	

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

6

Description:- Supply of the following furniture for SM / relay room. Inspection by Rep. of Railway Engineer. Table of Godrej make. Model No. WT 718 + ERU or latest. [SOR-2021 for S&T works- Sch 'B2' item no. 12(b)]

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

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7	0	20.00	Numbers	14405.00	288100.00	AT Par	288100.00	
Description:- Supply of the following furniture for SM / relay room. Inspection by Rep. of Railway Engineer. Chair. Model PCH-5001T(Revolving) or latest. Make: Godrej .[SOR-2021 for S&T works-Sch 'B2' item no. 12(a)]								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 16-SOR-(Schedule-B3)-Supply of Electrical & Electronics materials							69564215.00	Above/ Below/Par
1	0	77.00	Numbers	20052.00	1544004.00	AT Par	1544004.00	
Description:- Installation, Wiring, Testing and commissioning of Remote terminal unit with 64 digital & 16 analog inputs with modem as per RDSO spec. no - IRS-S- 99/2006 or latest.[SOR-2021 for S&T works-Sch 'B3' item no. 13(i)(b)]								
2	0	150.00	Set	9469.00	1420350.00	AT Par	1420350.00	
Description:- Transportation, installation, testing & commissioning of fuse indication cum monitoring and automatic changeover system as mentioned above.[SOR-2021 for S&T works-Sch 'B3' item no. 24(b)]								
3	0	350.00	Numbers	5882.00	2058700.00	AT Par	2058700.00	
Description:- Installation, testing and commissioning of Permanent and Maintenance Free Earth pits. Installation charges : Earth pit (1 Set) It includes, Civil works related to earth pit digging, PMF earth pit installation, backfilling and chamber making. Materials for chamber including Chamber Cover. [SOR-2021 for S&T works- Sch 'B3' item no. 7(B)]								
4	0	8000.00	Numbers	3821.00	30568000.00	AT Par	30568000.00	
Description:- Relay, Non-AC Immune, plug-in type, Style "QN1", Neutral line, 24V DC 12F/4B contacts, front and back contacts metal to carbon with plug board, retaining clip & connectors conforming to BRS:930, IRS:S 34 & IRS:S 23. The interlocking code for this unit shall be ABCDE. Inspection by RDSO. [SOR-2021 for S&T works- Sch 'B3' item no.1(a)]								
5	0	100.00	Numbers	4032.00	403200.00	AT Par	403200.00	
Description:- Relay, AC Immune, plug-in type, Style "QNAI", Neutral line, 24V DC 12F.4B contacts, front and back contacts metal to carbon with plug board, retaining clip & connectors conforming to BRS:931A, IRS:S 60, IRS:S 34 & IRS:S 23. The interlocking code for this unit shall be ABDFH . Inspection by RDSO.[SOR-2021 for S&T works- Sch-B3-1(c)]								
6	0	8.00	Numbers	497388.00	3979104.00	AT Par	3979104.00	
Description:- Supply of datalogger system for Railway S&T installation as per RDSO specification no. IRS:S-99/2006 (amendment - 3) or latest with -Digital Input 512, Analog Input 64. Inspection by RDSO. [SOR-2021 for S&T works-Sch 'B3' item no. 5(a)(i)]								
8	0	350.00	Numbers	23526.00	8234100.00	AT Par	8234100.00	
Description:- Earthing and bonding system as per RDSO Spec. No. RDSO/SPN/197/2008 , RDSO Drg. No. SDO/RDSO/E&B/001 dt. 19.09.08 and RDSO Drg. No. SDO/RDSO/E&B/002 dt. 19.09.08. Earthing and bonding system for Relay Room, IPS Room, SPD Box, Operator panel in SM's room, signalling equipments in Station building, Block circuit, SSDAC, etc. Inspection by Representative of Railway Engineer. Supply of "Permanent and Maintenance Free Earth pits materials". 1 Set PMF earth pit consisting of:17 mm diameter and minimum 3 m long Copper Bonded Steel Rod - 1No, GEM-25 lb - 3 Bags, 25*6*150 mm Cu Bus Bar- 2 No, Cu lugs and nut bolt 2 nos, Supply for Connection between Earth pits and MEBB It includes 35 sq mm multi-strand pvc insulated single core Cu cable (15 mtr Lump Sum). Supply for Internal connection from MEBB To SEBB and to other equipments. (50 mtr Lump Sum).It includes 16 sq mm and 10 sq mm multi strand pvc insulated single core Cu cable. [SOR- 2021 for S&T works- Sch 'B3' item no. 7(A)]								
9	0	150.00	Set	37882.00	5682300.00	AT Par	5682300.00	
Description:- Supply of fuse indication cum monitoring and automatic changeover system as per RDSO specification no. RDSO/SPN/209/2012 Rev. 0 or latest. The system shall be supplied along with all standby fuses placed in the system. In addition to it, spare quantity of 100% fuses of each type shall also be supplied along with the system. Inspection by RDSO. For 32 fuses per set (Upto 4Amps). [SOR- 2021 for S&T works-Sch 'B3' item no. 24(a)]								
10	0	77.00	Numbers	200509.00	15439193.00	AT Par	15439193.00	
Description:- Supply of Remote terminal unit with 64 digital & 16 analog inputs with modem as per RDSO spec. no - IRS-S- 99/2006 or latest. Inspection by RDSO.[SOR-2021 for S&T works-Sch 'B3' item no. 13(i)(a)]								
11	0	8.00	Numbers	29408.00	235264.00	AT Par	235264.00	
Description:- Installation, wiring, testing and commissioning of Digital Input 512, Analog Input 64 datalogger system as per RDSO specification no. IRS:S-99/2006 (ammedent - 3) or latest including networking and central monitoring along with installation of remote monitoring software and hardware. The contractor is also required to list out the no. of analog & digital inputs for wiring & operation of the datalogger by taking approval of the Rly. for those inputs. This includes training to 4 staffs at site.[SOR-2021 for S&T works-Sch 'B3' item no. 5(b)(i)]								

**PROJ-BSP-S AND T/SOUTH EAST CENTRAL
RLY TENDER DOCUMENT**

Tender No: 85-SNT-Proj-Tender-2024

Closing Date/Time: 04/03/2025 12:00

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 17-SOR-(Schedule-C)-Execution of Telecom work							5941930.00	Above/ Below/Par
1	0	10.00	Kilometre	336450.00	3364500.00	AT Par	3364500.00	
	Description:- Excavation of trenches including clearing of roots of trees etc. in hard/rocky soil by chiseling up to a depth of minimum 0.6 Mtr. and width 0.3 Mtr. at the bottom, supply and placing RCC hume pipe section as per drawing on sieved soil of 30mm over cable / HDPE pipe and concreting through - out the length upto a layer of 75mm. Then back filling the trench and then ramming of soil. [SOR-2021 for S&T works- Sch 'C' item no.2(b)]							
2	0	60.00	Kilometre	18672.00	1120320.00	AT Par	1120320.00	
	Description:- Transportation, loading/unloading of OFC from the stores of railway to the work site with care, pushing/pulling OFC through the HDPE pipes, sealing of the duct by sealling /caps plugs. The cable is to be laid by mechanised means. At inaccessible places where mechanised laying is not possible, the cable is to be laid manually. This also includes testing of cable drums in the store premises before transportation and submissions of results thereof. Empty cable drums to be returned by the contractor. The cable drums with unused cable at site to be returned by the contractor to the stores depot of SSE/Tele-Works/BSP.[SOR-2021 for S&T works- Sch 'C' item no. 7]							
3	0	60.00	Route Kilo Meter (RKM)	950.00	57000.00	AT Par	57000.00	
	Description:- Location survey of cable route and preparation of tentative and final cable route plan as per approved format in the section including supply of final route plan after the cables are laid and commissioned indicating clearly the exact position of the cable, joints and other critical items with reference to OHE mast & other fixed point, etc. in 12(twelve) Nos. hard bound copies on white bond paper of maximum A-3 size (well documented and bound with plastic covers)..[SOR-2021 for S&T works- Sch 'C' item no. 1]							
4	0	60.00	Kilometre	7762.00	465720.00	AT Par	465720.00	
	Description:- Transportation including loading/unloading of HDPE pipe from the stores of railway to the work site, laying of the same in excavated trench/already laid GI/RCC pipes/tubes, jointing, levelling and end sealing the pipes. [SOR-2021 for S&T works- Sch 'C' item no. 6]							
5	0	50.00	Numbers	1385.00	69250.00	AT Par	69250.00	
	Description:- Execution of straight through joint on Quad cable/10-20-50 pairs PIJF cable using thermoshrink jointing kit. This includes jointing kit, transformers, excavation of cable joint pit of size 1.2m x 1.2m x 1.0m for jointing of cables, back filling and ramming after jointing.[SOR-2021 for S&T works- Sch 'C' item no.12(b)]							
6	0	60.00	Kilometre	14419.00	865140.00	AT Par	865140.00	
	Description:- Supply and placing of warning tape Orange colour of 100 mm wide printed in black as "CAUTION OFC CABLE" at every 1 mtr. interval (minimum) and to be laid in the trench in station area and as directed by the representative of Railway. [SOR-2021 for S&T works-Sch 'C' item no. 9(a)]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl (%)	Amount	Bidding Unit
Schedule 18-SOR-(Schedule-D)-Supply of Telecom materials							104080.00	Above/ Below/Par
2	0	10.00	Numbers	3483.00	34830.00	AT Par	34830.00	
	Description:- Supply of Optical fibre joint closure for straight through joint with modification for 24 fibre OFC as per Specification. No. RDSO/SPN/TC/68/2013 (with latest amendment) complete with all accessories (sealing with mechanical clamp facility) make Raychem or similar. Inspection by Rep. of Railway Engineer.[SOR-2021 for S&T works- Sch 'D' item no. 1]							
2	0	50.00	Numbers	1385.00	69250.00	AT Par	69250.00	
	Description:- Transportation & Execution of following kinds of joints on Quad Cable using thermoshrink jointing kit. This also includes excavation of cable joint pit of size 1.2m x 1.2m x 1.0m in all types of soil for jointing of copper cables, back filling and ramming after jointing- straight through joint on Quad cable/10-20-50 pairs PIJF Cable [SOR-2021 for S&T works- Sch 'D' item no. 12(b)]							

3. ITEM BREAKUP

Schedule	Schedule 3-Supply of Signalling & Telecom materials					
Item- 22	Non-deteriorating type low voltage electric fuse for Railway signalling, rated voltage 240 V AC/DC fuse with cylindrical cap without indication size :14x 51 mm. Spec. no: IRS-S-78/92 with latest amendment if any. Inspection by RDSO.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

1	1	Fuse links 2 Amps.	Numbers	4420.00	78.00	344760.00
2	2	Fuse links 6 Amps	Numbers	4420.00	71.00	313820.00
3	3	Fuse holder 20 A capacity	Numbers	4420.00	26.00	114920.00
					Total	773500.00

END OF REPORT