



रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड
भारत सरकार का एक "नवरत्न" केंद्रीय सार्वजनिक क्षेत्र उद्यम

<u>पूर्वी क्षेत्र कार्यालय</u> 19वीं मंजिल, ऑरोरा वॉटरफ्रंट, जीएन 34/1, सेक्टर V, बिधाननगर, कोलकाता, पश्चिम बंगाल 700091	<u>कॉर्पोरेट कार्यालय</u> प्लेट-ए, 6वीं मंजिल, ऑफिस टॉवर-2, एनबीसीसी बिल्डिंग, ईस्ट किडवाई नगर, नई दिल्ली- 110023
<u>Eastern Region Office</u> 19th Floor, Aurora Waterfront, GN 34/1, Sector V, Bidhannagar, Kolkata, West Bengal 700091	<u>Corporate Office</u> Plate-A, 6th Floor, Office Tower-2, NBCC Building, East Kidwai Nagar, New Delhi-110023

ईओआई संख्या (EOI No.):

RAILTEL/ER/MKT/EOI/2026-27/003, DTD 08-04-2026

रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, (जिसे आगे रेलटेल कहा जाएगा) विशिष्ट आइटमों के लिए रेलटेल के सूचीबद्ध व्यवसाय सहयोगी से उपयुक्त साझेदार के चयन के लिए EOIs आमंत्रित करता है (SOR के अनुसार) टेंडर "श्यामचाक, बालिचाक, हौर, भोगपुर, फुलेश्वर और मौरीग्राम फ्लाईओवर ब्लॉक हट में पुराने इलेक्ट्रॉनिक इंटरलॉकिंग को नए इलेक्ट्रॉनिक इंटरलॉकिंग से बदलने के लिए भवन निर्माण छोड़कर सभी S&T कार्यों" के खिलाफ।

Invitation for Expression of Interest For

RailTel Corporation of India Ltd., (hereafter referred to as RailTel) invites EOIs for Selection of Suitable Partner from RailTel Empanelled Business Associate **for Specific Items ONLY (as per the SOR) against the tender "All S&T works excluding the construction of building for Replacement of old Electronic Interlocking with new Electronic Interlocking at Shyamchak, Balichak, Haur, Bhogpur, Fuleshwar and Mourigram Flyover Block Hut in Kharagpur Division."**

EOI NOTICE

RailTel Corporation of India Ltd.

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

EXPRESSION OF INTEREST

EOI Notice No: RAILTEL/ER/MKT/EOI/2026-27/003, DTD 08-04-2026

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विवरण निम्नानुसार है/ The details are as under:

1	ईओआई फ्लोटिंग की तिथि Date of EOI Floating	08.04.2026
2	ईओआई के तहत बोलियां प्रस्तुत करने की अंतिम तिथि Last date for submission of Bids against EOI	15.04.2026 up to 11:00 Hours
3	ईओआई के तहत प्राप्त बोलियों को खोलना Opening of Bids received against EOI	15.04.2026 up to 11:30 Hours
4	बोली प्रणाली Bidding System	Single Stage – Single Packet System
5	ईओआई का अनुमानित मूल्य Estimated Value of EOI	Total: Rs.18,74,92,501/- (incl GST) (Eighteen crore seventy-four lakh ninety-two thousand five hundred one rupees and zero paise only.)
6	ईओआई दस्तावेज लागत (कर सहित) (वापसी योग्य नहीं)	Rs. 5,900/- Incl. GST (Five Thousand Nine Hundred only)

	EOI document cost (inclusive tax) (non-refundable)	
7	बयाना राशि जमा (ईएमडी)/ Earnest Money Deposit (EMD)	Total EMD to be Paid is ₹ 41,67,000/- (Forty-one lakh sixty-seven thousand rupees and zero paisa only.) 1. Token EMD (to be submitted along with bid/response in eNivida Portal): Rs.5,00,000/- (Rupees Five Lakhs Only) 2. Balance EMD of ₹ 36,67,000/- (Forty-one lakh sixty-seven thousand rupees and zero paisa only.) (to be submitted by successful partner before RailTel's Bid Submission in CoR Tender) 3. Refer Clause 3.6 for more details
8	प्रस्तावों की वैधता/ Validity of offers	90 days from the date of opening of Offers

नोट: रेलटेल अपने विवेकानुसार उपरोक्त तिथियों में परिवर्तन करने का अधिकार सुरक्षित रखता है।/

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

ईओआई सूचना और ईओआई दस्तावेज रेलटेल की वेबसाइट पर उपलब्ध हैं और इसे <https://www.railtel.in> या ई-निविदा पोर्टल <https://railtel.enivida.com> से डाउनलोड किया जा सकता है। ऑनलाइन बोली जमा करने के लिए निविदाकर्ता को <https://railtel.enivida.com> पोर्टल से ईओआई दस्तावेज की आधिकारिक ऑनलाइन प्रति अनिवार्य रूप से डाउनलोड करनी होगी।

EOI Notice and EOI Document are available on RailTel's website and can be downloaded from <https://www.railtel.in> or from the e-Tendering portal <https://railtel.enivida.com>. For online bid submission, the tenderer will have to necessarily download an official online copy of the EOI document from the portal <https://railtel.enivida.com>.

प्रस्ताव जमाकर्ता रुचि की अभिव्यक्ति की तैयारी, प्रस्तुत करने/भाग लेने से संबंधित सभी लागतों को वहन करेगा। रेलटेल इन लागतों के लिए किसी भी तरह से जिम्मेदार या उत्तरदायी नहीं होगा, चाहे बोली प्रक्रिया के आचरण या परिणाम कुछ भी हों।

The Respondent shall bear all cost associated with preparation, submission/participation of the Expression of Interest. RailTel in no way will be responsible or liable for these costs regardless of the conduct or outcome of the bidding process.

इस ईओआई के लिए भविष्य की सभी जानकारी अर्थात शुद्धिपत्र / परिशिष्ट / संशोधन आदि केवल ई-निविदा पोर्टल पर पोस्ट किए जाएंगे। ईओआई दस्तावेज की मुद्रित प्रति रेलटेल कार्यालय से उपलब्ध नहीं की जाएगी।

All future information viz. corrigendum /addendum/ amendments etc. for this EOI shall be posted on this e-Tendering Portal only. Printed copies of the EOI document will not be provided from the RailTel office.

प्रस्ताव उपर्युक्त तिथि को उन प्रस्ताव जमाकर्ताओं की उपस्थिति में खोले जाएंगे जो उपस्थित होना चाहते हैं। यदि बोली प्राप्ति/खोलने की तिथि को अवकाश होता है, तो इसे अगले कार्य दिवस पर किया जाएगा।

The offers shall be opened on above mentioned date in the presence of those Respondents who choose to be present. If the receipt/opening bid date happens to be a holiday, the same shall be done on the next working day.

आरसीआईएल बिना किसी कारण के प्रस्तावों को स्वीकार/अस्वीकार करने का अधिकार सुरक्षित रखता है होगा।

RCIL reserves the right to accept/reject the offers without any reason.

ईएमडी ईनिविदा पोर्टल के माध्यम से ऑनलाइन कोलकाता में देय रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड के पक्ष में जमा होना चाहिए। बोलीदाता को प्रस्ताव के साथ ऑनलाइन बैंक ट्रांसफर विवरण जैसे यूटीआर नंबर दिनांक और बैंक साझा करने की आवश्यकता है।

The EMD should be submitted in the favour of RailTel Corporation of India Limited payable at KOLKATA through online via eNivida Portal. Bidder needs to share the online bank transfer/DD/Pay Order/Banker's Cheque details like UTR No. date and Bank along with the proposal.

टिप्पणी : एक कार्यशील ईओआई होने के नाते, इस ईओआई के लिए एमएसई के लिए ईओआई दस्तावेज लागत और ईएमडी प्रस्तुत करने से कोई छूट उपलब्ध नहीं है। इसलिए, बोलीदाताओं को अपने प्रस्ताव के साथ ईओआई दस्तावेज लागत और ईएमडी प्रस्तुत करना चाहिए, जिसमें विफल होने पर उनके प्रस्ताव को मूल्यांकन के लिए नहीं माना जाएगा, और सरसरी तौर पर अस्वीकार कर दिया जाएगा। एमएसई के लिए खरीद वरीयता भी इस ईओआई के लिए लागू नहीं है

Note: ~~Being a works EOI~~, No exemption from submission of EOI document cost and EMD is available for MSEs for this EOI. Hence, the bidders should submit the EOI Document Cost & EMD along with their offer, failing which their offer will not be considered for evaluation,

and will summarily be rejected. Purchase preference to the MSEs is also not applicable for this EOI

बोलियों की भाषा: बोली में सभी जानकारी हिंदी या अंग्रेजी में होगी। किसी अन्य भाषा में सूचना के साथ हिंदी/अंग्रेजी में उसका अनुवाद संलग्न होगा। इसका अनुपालन करने में विफल रहने पर बोली को अयोग्य घोषित कर दिया जाएगा। अर्थ में किसी भी विसंगति की स्थिति में, सभी दस्तावेजों की अंग्रेजी भाषा की प्रति मान्य होगी।

Language of Bids: All information in the bid shall be in Hindi or English. Information in any other language shall be accompanied by its translation in Hindi/English. Failure to comply with this shall disqualify a bid. In the event of any discrepancy in meaning, the English Language copy of all documents shall prevail.

पात्र बीए(एस)/ओईएम/ओईएम अधिकृत भागीदार/वितरक को ईओआई दस्तावेज के लिए इस आमंत्रण से संबंधित सभी संचार निम्नलिखित नामित संपर्क व्यक्तियों के माध्यम से निर्देशित करना आवश्यक है:/

Eligible BA(s) are required to direct all communications related to this Invitation for Eoi document, through the following Nominated Point of Contact persons:

Level: 1 Contact:

Sh. Sridip Das (Asst GM/Marketing/ER)

Email: sridip.das@railtelindia.com;

Contact: +91- 9007041225

Level: 2 Contact:

Sh. Abhishek Mani (Sr Dy GM/Marketing/ER)

Email: abhishekmani@railtelindia.com;

Contact: +91-6289857500

Level: 3 Contact:

Sh. Narayan Mukherjee (ED/Marketing/ER)

Email: narayan@railtelindia.com

Contact: +91-9007044110

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CHAPTER 1 SUBMISSION OF BID

1. This EOI should be duly submitted online using e-Procurement Portal <https://railtel.enivida.com>.

- 1..1 The offer shall be submitted in Single packet on eNivida Portal as per instructions given.
- 1..2 Tenderer shall quote in SOR provided in eNivida portal. In case the schedule of requirement quoted by tenderer is incomplete with reference to EOI document, the offer is liable to be rejected.
- 1..3 Any document submitted/uploaded in eNivida portal must be duly signed & stamped/digitally signed by the tenderer in each page.
- 1..4 The rates quoted should be written both in words and figures. The unit of rates should be in metric system and as per EOI specification/schedule. In case of difference between words and figures, the rate in words will prevail. If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the purchaser accordingly.
- 1..5 Tenderers are requested to go through all the conditions of the EOI document and note that, by submitting the EOI documents, duly signed, they have accepted these conditions and undertake to abide by these conditions (unless specifically disagreed to clause wise).
- 1..6 **ATTESTATION OF ALTERATION:** No scribbling is permissible in the EOI documents. Bids containing erasures and alterations in the EOI documents are liable to be rejected. Any correction made by the tenderer/ tenderers in his/their entries must be signed (not initiated) by him/them.

2. COVER-01:

- i. EOI Document Fee, EMD, Credential & Technical Bid: This shall contain UTR Numbers of transaction/ Date of online transaction of EMD and EOI Fee amount paid online in RailTel Collection Account/proof of transaction to be enclosed.
- ii. Documents as per the eligibility criteria and Credential & Technical Bid shall be submitted. These documents should be in conformance to the eligibility criteria/Credential. These documents shouldn't contain the financial bids, in either explicit or implicit form; otherwise, the bid may be rejected.
- iii. Financial Part: This shall contain only the Price bid against the SOR in excel format.

Cover -02 : In case of two packet system : Financial bid and/or related annexures if applicable.

3. E-tendering Instructions to Bidders

- i. **GENERAL:** These Special Instructions (for e-Tendering) supplement, as given above. Submission of Bids only through online process is mandatory for this EOI.

E-Tendering is a methodology for conducting Public Procurement in a transparent and secured manner. Now, the Government of India has made e-tendering mandatory. Suppliers/ Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, RailTel has decided to use the portal <https://railtel.enivida.com>. Bidder Enrolment can be done using "Online Bidder Enrolment".

The instructions given below are meant to assist the bidders in registering on the e- tender Portal, and submitting their bid online on the e-tendering portal as per uploaded bid. More information for submitting online bids on the eNivida Portal may be obtained at: <https://railtel.enivida.com>

ii. **GUIDELINES FOR REGISTRATION:**

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

format on e-tender portal.

8. After completion of registration payment, bidders need to send their acknowledgement copy on our help desk mail id eprocurement@railtelindia.com for activation of account.

iii. **SEARCHING FOR EOI DOCUMENT:**

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

iv. **PREPARATION OF BIDS:**

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

v. SUBMISSION OF BIDS:

1. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the EOI document as a token of acceptance of the terms and conditions laid down by RailTel.
3. Bidder has to select the payment option as “e-payment” to pay the EOI fee / EMD as applicable and enter details of the instrument.
4. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the financial bid has been given as a standard BOQ format with the EOI document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the **Sky-Blue Coloured** (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the file name. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
5. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
6. The uploaded EOI documents become readable only after the EOI opening by the authorized bid openers.
7. Upon the successful and timely submission of bid click “Complete” (i.e. after Clicking “Submit” in the portal), the portal will give a successful Bid submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
8. The EOI summary has to be printed and kept as an acknowledgement of the submission of the Bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

9. For any clarification in using eNivida Portal:
- Any queries relating to the EOI document and the terms and conditions contained therein should be addressed to the EOI Inviting Authority for a EOI or the relevant contact person indicated in the EOI Document.
 - Any queries relating to the process of online bid submission or queries relating to e- tender Portal in general may be directed to the Helpdesk Support.
 - Please feel free to contact eNivida Helpdesk (as given below) for any query related to e-tendering.
 - Phone No. 011-49606060/8448288988
 - Mail id: - enividahelpdesk@gmail.com
10. Documents to be submitted: Following documents shall be submitted in Technical and Financial bid as given below:
- (a) **“TECHNICAL BID”**; -The bid shall consist of the following: -
- Offer Letter.
 - Signed Copy of EOI Document/ Corrigenda.
 - E-receipt of EMD.
 - E-receipt of EOI Document fee.
 - Power of attorney/Authorization (The original/Notarized copy also to be submitted offline).
 - Complete technical solution documents data and particulars.
 - Clause wise compliance to EOI conditions.
 - Documentary proof of qualifying criteria.
 - Affidavit (The original copy also to be submitted offline).
 - Certificate by bidders sharing a land border with India.
 - Any other document asked in the EOI Document but not listed above.
- (b) **“PRICE BID”** Shall contain the financial bid for “Schedule of requirements” only.

Note: ~~Non submission of the above mentioned documents may lead to rejection of the bid.~~

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CHAPTER 2: LIST OF DOCUMENTS TO BE SUBMITTED OFFLINE

2.1 The below-mentioned documents are to be submitted in offline mode and these should reach RailTel Office before opening of the bids:

- a) Power of attorney/Authorization.
- b) Affidavit (Annexure-4).
- c) Integrity pact (2 copies) (if value of work is more than 15 Crs)

2.2 Address for submission of offline documents:

RailTel Corporation of India Limited, Eastern Region,
Aurora Waterfront, 19th floor, GN 34/1, Sector V,
Salt Lake, Bidhannagar, Kolkata-91 (WB)

Or RailTel's Territory Office ()

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CHAPTER 3: IMPORTANT POINTS

1. RailTel Empanelled Business Associate(s) are required to submit soft copy of response through Online on RailTel's eNivida portal at <https://railtel.enivida.com> duly signed by Authorized Signatories with Company seal and stamp.
2. The EOI response is invited from BA(s). A prospective bidder can be empanelled during the preboarding /onboarding process i.e. Partner who have applied for empanelment with RailTel can also participate duly submitting the mail sent to RailTel & proof of payment of empanelment fee. **However, final selection or award of work will be done only after empanelment of partner by RailTel CO.**
3. BA(s) can participate as a sole bidder or as a consortium (maximum three members are allowed in the consortium). In case of consortium, lead bidder of the consortium must be RailTel's Empanelled partner and will be responsible for all the conditions mentioned in the end customer RFP. The roles & responsibilities of each consortium partner shall be defined clearly.
4. If, the interested partner is OEM/OEM authorised partner/distributor, it should submit the supporting document for the same.
5. All the documents must be submitted with proper indexing and page numbering.
6. This is an EOI for BA(s) for participating in the end customer tender/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.
7. Transfer and Sub-letting. The Partner has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present.
8. Partner/Consortium has to submit MAF/OEM Documentation & other docs required as per EOI (in case work is awarded to RailTel).

/OR/

Partner has to facilitate RailTel in getting MAF/OEM Documentation in name of RailTel to be submitted along with other documents against the referred tender. Interested partner may intimate the probable OEMs (item wise) through above given email IDs prior to their EOI response (in case RailTel is participating in the Tender).

9. Partner has to agree to comply with all scope of work and term and conditions including special term and condition, SLA and OEM technical, Proven ness Criteria & Financial documentation including MAF, Technical certificates/others as per end-to-end requirement mentioned in the end customer's tender/RFP & its corrigendum (if any) as mentioned below:

RFP Ref. No.	ST-PROJ-KGP-HWH-6EI-R
Date of floating	17-03-2026
Floated on portal	https://www.ireps.gov.in/

10. Partner once selected has to ensure all technical documents/ solution documents related to OEM before submission of RailTel's Proposal / Bid to End Customer.
11. Installation, commissioning and integration should be done by OEM or their authorized agencies only. If authorized agencies are involved, RailTel should be informed in writing before finalization.
12. Partner/Consortium has to ensure OEM support (of its product including customization part) till the expiry of contract period.
13. Partner/Consortium has to ensure validity of all licenses from implementation stage to the expiry of contract period. To maintain confidentiality, RailTel reserves the right to show/not show the competition bids in eNivida Portal.
14. Anything which is not mentioned in the EOI, however written in Customer tender/RFP and its corrigendum (if any), then partner may refer the end customer document & consider in their pricing.
15. To maintain confidentiality, RailTel reserves the right to show/not show the competition bids in eNivida Portal.
16. Manpower deployment to be done by selected bidder as per the scope of the work and as per end customer RFP. The charges for necessary deployment to be borne by the bidder. RailTel will be responsible for overall supervision of the Project and any part scope as defined by RailTel (if any).
17. The successful Bidder has to arrange for the demonstration of the Proof of Concept as per the End Customer RFP/Tender and at No Extra Cost to RailTel.
18. In case of any ambiguity, discrepancy, or interpretation issue arising out of the Eoi document, the decision of RailTel shall be final, binding, and conclusive on all bidders. RailTel reserves the right to clarify, modify, or interpret any clause of the Eoi document as deemed necessary, and such decision shall not be subject to further challenge or dispute by the participating bidders.
19. If to complete the project new items are required as per customers requirements, BA shall have to execute the same with approved rates, as per discretion of RailTel.

RAILTEL

CHAPTER 4: DETAILS OF THE PROJECT

1. PROJECT BACKGROUND AND OBJECTIVE OF EOI

RailTel intends to participate in the tender floated by CSTE/Project, South Eastern Railway vide Tender Ref. No. ST-PROJ-KGP-HWH-6EI-R Dated 17/03/2026 for All S&T works excluding the construction of building for Replacement of old Electronic Interlocking with new Electronic Interlocking at Shyamchak, Balichak, Haur, Bhogpur, Fuleshwar and Mourigram Flyover Block Hut in Kharagpur Division.

RailTel is inviting EOIs from RailTel Empanelled Business Associate for the selection of suitable partner for Specific Items ONLY (as per the SOR) against the tender "All S&T works excluding the construction of building for Replacement of old Electronic Interlocking with new Electronic Interlocking at Shyamchak, Balichak, Haur, Bhogpur, Fuleshwar and Mourigram Flyover Block Hut in Kharagpur Division.

It will be responsibility of Partner to comply all extent guidelines and regulations of Central/State Govt. including Make in India or any other concerned entities including DoT/TEC in respect of supply of new equipment and services from time to time. In addition, Partner will also comply any change in the rules and regulations by Govt. or any other entities DoT/TEC. Partner should submit an undertaking in this regard in their bid.

The Empanelled partner is expected to have excellent execution capability and good understanding of customer local environment.

2. SCOPE OF WORK

The scope of work will be as mentioned in the pertinent tender of CSTE/Project, South Eastern Railway vide Tender Ref. No. ST-PROJ-KGP-HWH-6EI-R Dated 17/03/2026 for the work of "All S&T works excluding the construction of building for Replacement of old Electronic Interlocking with new Electronic Interlocking at Shyamchak, Balichak, Haur, Bhogpur, Fuleshwar and Mourigram Flyover Block Hut in Kharagpur Division."

The successful bidder shall submit a detailed implementation plan as per the project deliverables timelines before the commencement of the project.

The successful bidder shall conduct a detailed study of functional and technical requirements of the work to make the required system configuration and design modifications to its solution if required in order to achieve the desired functionality. However, the same must be accepted and approved by RailTel/Customer.

Partner has to submit the detailed bifurcation in as per Price Schedule (**Annexure 12A**)

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

3. RESPONSE TO EOI GUIDELINES

3.1 Language of Proposals

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

3.2 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 partner or Business Associate or without any obligation to inform the affected partner or partners about the grounds for RailTel's action.

3.3 EOI response Document

The partner 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 partner's risk and may result in rejection of its bid without any further reference to the partner.

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

3.4 Period of Validity of bids and Bid Currency

Bids shall remain valid for a period of **90 days** from the date of opening of EOI.

3.5 Bidding Process

The bidding process as defined in Chapter-1.

Bid Earnest Money (EMD)

3.6.1. The Partner 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 or directly through e-Nivida portal. This will be called as EOI EMD.

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

3.6.3. Deleted

- 3.6.4. Return of EMD for unsuccessful Business Associates: EOI EMD of the unsuccessful Business Associate shall be returned without interest after completion of EOI process.
- 3.6.5. Return of EMD for successful Business Associate: EOI-EMD (Earnest Money Deposit) of the successful partner will be discharged / returned:
- 3.6.5.1. **In case where RailTel has won the case & been awarded the work:**
On receipt of Security Deposit and Performance Bank Guarantee as applicable (clause no. 3.7) from Business Associate.
 - 3.6.5.2. **In case where RailTel has lost or the End Customer Tender/RFP:**
After return of EMD Submitted (if any) by RailTel from End Customer.
 - 3.6.5.3. **In case where the End Customer has cancelled the Tender/RFP:**
After return of EMD Submitted (if any) by RailTel from End Customer.
- 3.6.6. Forfeiture of EOI EMD and or Penal action as per EMD Declaration.
- 3.6.6.1. The EOI EMD may be forfeited and or penal action shall be initiated if a Business Associate withdraws his offer or modifies the terms and conditions of the offer during validity period.
 - 3.6.6.2. In case of non-submission of SD/PBG (as per clause no. 3.7) lead to forfeiture of EOI EMD and or suitable action as prescribed in the EMD Declaration shall be initiated as applicable.
- 3.7 Security Deposit / Performance Bank Guarantee (PBG):
- 3.7.1 **SECURITY DEPOSIT:** Applicable on Back-to-Back Basis and only if the end customer requires. ~~The successful tenderer shall submit 5% of total value of the Service including GST detailed in the Purchase Order/ Letter of Acceptance towards Security Deposit in the form of online transfer or irrevocable Bank Guarantee from any scheduled commercial bank (either private or PSU) but not from any cooperative bank or NBFC, within 30 days of issue of the Purchase Order/Letter of Acceptance or may be recovered at the rate of 10% of the bill amount till the full Security Deposit is recovered. Provided also that in case of defaulting Contractor, the RailTel may retain any amount due for payment to the Contractor on the pending "on account bills" so that the amounts so retained (including amount guaranteed through Performance Guarantee) may not exceed 10% of the total value of the contract. The Irrevocable Bank Guarantee submitted towards Security deposit shall be initially valid up to the stipulated date of Maintenance period plus 90 days and shall be extended from time to time, depending upon extension of contract granted. All other terms & Conditions of Bank Guarantee shall be applicable as mentioned in clause No. 3.7.2.~~
- 3.7.2 **Performance Bank Guarantee :** The successful tenderer shall submit 5% or 10% (as per end customer RFP) of total value of the Service including GST detailed in the Purchase Order/ Letter of Acceptance towards Performance Guarantee* in the form of online transfer or irrevocable Bank Guarantee from any scheduled

commercial bank (either private or PSU) but not from any cooperative bank or NBFC, within 30 days of issue of the Purchase Order/Letter of Acceptance, failing which a penal interest of 15% per annum shall be charged for the delayed period i.e. beyond 30 (thirty) days from the date of issue of PO/LOA, till the date PBG is received.

If, the PBG is not submitted by the successful partner within 60 days of issuance of PO/LOA, RailTel reserves the right to terminate the contract.

* Round off to higher Rs. 1000/- (One thousand).

3.7.2.1 The PBG shall be initially valid up to stipulated completion of all contractual obligations including warranty obligations (if applicable) plus 90 days along with a claim period of 12 months (time period between expiry date and claim date) on top of guarantee period (if applicable) under the contract.

3.7.2.2 If end customer requirements of claim of PBG varies, then RCIL reserves the right to vary the claim period.

Note:

A separate advice of the BG will invariably be sent by the BG issuing bank to the RailTel's Bank through SFMS and only after this the BG will become acceptable to RailTel. It is therefore in own interest of bidder to obtain RailTel's bank IFSC code, its branch and address and advise these particulars to the BG issuing bank and request them to send advice of BG through SFMS to the RailTel's Bank.

Detail for online SFMS confirmation using the platform is as below:

BG advising message – IFN 760COV/ IFN 767COV via SFMS

To mandatorily send the Cover message at the time of BG issuance.

IFSC Code of ICICI Bank to be used (ICIC0000007).

Mention the unique reference (RAILTEL6103) in field 7037

3.7.2.3 Any performance security up to a value of Rs. 5 Lakhs is to be submitted through online transfer only.

RailTel's Bank Account Details for online submission of Performance Guarantee amount are given as below:

- Company Name: RailTel Corporation of India Ltd.
- Bank Name: Union Bank of India
- Branch Name: Camac Street Branch
- Bank IFSC: UBIN0540161
- Account Type: Current Account
- Account No.: 401601010519491

- 3.7.2.4 No Interest on Earnest Money and Performance Security: No interest shall be paid on the amount of earnest money and Performance Security held by RailTel, at any stage.
- 3.7.2.5 The Performance Bank Guarantee shall be submitted by the successful bidder after the Letter of Acceptance (LOA)/Purchase Order has been issued, but before signing of the contract agreement. In case, the time for completion of work gets extended, the contractor shall get the validity of PBG. extended to cover such time for completion of work plus 90 days with a claim period of 12 months (time period between expiry date and claim date) on top of guarantee period. If end customer requirements of claim of PBG varies, then RCIL reserves the right to vary the claim period.
- 3.7.2.6 The value of PBG to be submitted by the contractor will not change for variation up to 25% (either increase or decrease). In case during the course of execution, value of the contract increases by more than + 25% of the original contract value, an additional Performance Bank Guarantee amounting to 10% (ten percent) for the excess value over the original contract value shall be deposited by the contractor.
- 3.7.2.7 The Performance Bank Guarantee (PBG) shall be released on completion of Contract including warranty period obligations under the contract, as applicable duly adjusting any dues recoverable from the successful tenderer.
- 3.7.2.8 Wherever the contracts are rescinded, the Performance Bank Guarantee shall be en-cashed and the balance work should be got done separately.

3.8 Last date & time for Submission of EOI response
EOI response must be submitted to RailTel at eNivida Portal of RailTel not later than the specified date and time mentioned in the preamble.

3.9 Modification and/or Withdrawal of EOI response

- 3.9.1 EOI response once submitted will be treated as final and no modification will be permitted except with the consent of the RailTel.
- 3.9.2 No Partner shall be allowed to withdraw the response after the last date and time for submission.
- 3.9.3 The successful Partner 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.

3.10 Deleted

3.11 Clarification of EOI Response:

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

3.12 Period of Association/Validity of Agreement: RailTel will enter into an agreement with selected partner with detailed Terms and conditions.

4. EVALUATION CRITERIA

4.1 The BA(s) are first evaluated on the basis of the Eligibility Criteria as per clause 14.

4.2 The BA(s) who fulfils the Eligibility criteria of Bidding shall be further evaluated on the basis of Technical Evaluation and Financial evaluation.

4.3 For the opened bid as per outcome of the Eligibility criteria above, the partner will be selected on the lowest quote (L-1) basis /QCBS (if applicable) for complete 'Scope of Work' as mentioned in the EOI document and documents of technical specifications of Customer, subject to the respective overall bid is in compliance to the requirements of this EOI. The so selected partner will be termed as 'Commercially Suitable Partner (hereafter referred to as 'CSP')'. It is re-mentioned, that the final selection of CSP will be on the L-1 basis only. Further, RailTel reserves the right to have negotiation with the CSP at any stage before issuing Work Order.

4.4 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.

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

5. PAYMENT TERMS

5.1 Payment Terms are levied on back-to-back basis including any advance/Mobilization advance.

5.2 However, for any Advance / Mobilisation Advance, the requisite amount of Bank Guarantee / FDR (in lien to RailTel Corporation of India Ltd (Payable at Kolkata) shall be submitted to RailTel. The BG/FDR shall be valid till at least till 1 Month after "Go-Live" of Respective SOR. Claim period of 12 month will be require in case of PBG submission.

5.3 Payment will be released after receipt of payment from end customer for the same work / services. Any deduction /Penalties levied on RailTel invoices will be deducted in totality (full amount, which ever levied by Customer) from CSP's invoices.

5.4 Deleted

5.5 Documents list required at the time of payment/invoice submission by selected partner shall be:

- i. PO/LOA copy issued to selected partner.
- ii. Submission/Declaration of applicable SD/BG amount against PO issued to selected partner/vendor.
- iii. Signed Agreement Copy
- iv. Original Invoice for the period/item claimed.
- v. TDS declaration.
- vi. Receipted Challan/ Consignment Note of all the consignments.
- vii. Manufacturer's Test / Inspection Certificate shall be provided as part of the payment documentation. **(NA for Software)**
- viii. Manufacturer's Warranty /Guarantee Certificate. **(NA for Software)**
- ix. Partners Certificate of Dispatch
- x. E-way bill
- xi. Insurance of the materials/project if applicable for end customer in favour of RailTel. **(NA for Software)**
- xii. PAN, GST Registration Certificates
- xiii. Any other document mentioned as required by End Customer.

**** Any deduction/LD/Penalties levied by Customer on invoices of RailTel will be deducted from CSP's invoices or PBG.**

5.6 Payment will only be released once GSTR-1 and GST-3B is filed by the partner for claimed invoice.

5.7 The last bills shall be settled after end of the contract period after adjusting all outstanding dues.

5.8 No interest is payable on any amount whatsoever to the successful Partner.

5.9 Bill Passing Authority: Territory Manager of State or RailTel's authorized representative

5.10 Bill Paying Authority: Finance Head/ER

6. SERVICE LEVEL AGREEMENT (SLA)

6.1 The selected partner 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 on the selected partner, as specified in the end Customer organization tender. The SLA scoring and penalty deduction mechanism for in-scope of work area shall be followed as specified in the tender. All associated clarifications, responses to queries, revisions, addendum and corrigendum, associated Prime Services Agreement (PSA)/

MSA/ SLA also included. Any deduction by Customer from RailTel payments on account of SLA breach which is attributable to Partner will be passed on to the Partner proportionately in terms of value based on its scope of work.

- 6.2 Penalty (full amount, which ever levied by Customer will be deducted at the time of payment.
- 6.3 An additional penalty clause will be applicable beyond the back-to-back arrangement in following cases. In cases where the vendor fails to perform as per contractual obligations, but the customer does not impose any penalty due to own expenditure by RailTel, RailTel will reserve the right to penalize the partner irrespective of the customer's decision.

7. Insurance

Projects should be covered under Contractors All Risk Insurance policy irrespective of the fact whether terms and conditions of the customers agreement/Tender requires the same or not.

A. The Project Insurance cover should be effective from the date of commencement of project till the project is handed over to the customer.

B. Insurance of capex items shall be valid till completion of the contract.

Responsibility of taking the Project insurance should be of Business Associates (BAs)/sub-contractors and RailTel shall be the beneficiary in the said policy.

The insurance policy shall remain live during entire period of the project execution till the project is handed over to the customer. The insurance policy shall cover the entire material purchased under the project including installation cost. In case terms and conditions of agreement with customers requires any additional insurance such as warranty period the compliance of the same should also be ensured.

The following insurance should be taken:

- a. Transit Insurance by the Supplier of the material.
- b. Contractors All Risk Insurance till PAC by the Business Associates (BAs) or Contractors who is responsible for Installation and commissioning.

The CSP shall take out and keep in force a policy or policies of insurance from the date, the delivery of material starts (including the transit portion) against all liabilities of the CSP or RailTel as per customer tender specified terms. The CSP shall take out and keep in force a Policy or policies of Insurance for all materials covered in schedule of requirement irrespective of whether used up in the portion of work already done or kept for the use in the balance portion of the work. The risk of goods shall remain with CSP till the completion of contract. The insurance shall be as per end Customer tender specified terms. Claimant of insurance shall be in the name of RailTel Corporation of India Ltd and shall be kept valid till completion of contract.

7.1. INSURANCE OF MATERIALS: The Contractor shall take out and keep in force a Policy or policies of Insurance for all machine & materials including RailTel supply materials/equipment.

- (i) The Contractor should, however, insure the stores brought to HQ, site, against risks in consequence of war and invasion, as required under the Emergency Risk (Goods) Insurance Act on force from time to time.

(ii) It may be noted that the beneficiary of the insurance policy should be RailTel or the policies should be pledged in favour of RailTel/Railway. The contractor shall keep the policy/policies current till the completion of the contract.

(iii) For the purpose of enabling the contractor to take the insurance cover in connection with this contract, the Executive Director or its representatives will advise the approximate price of all the RailTel supply materials to the Contractor.

8. Liquidated Damages:

RailTel will levy the liquidated damages imposed by customer to partner on value terms at the time of releasing of payment.

Note: Full amount of LD will be charged, which ever levied by customer on RailTel.

An additional penalty clause will be applicable beyond the back-to-back arrangement in following cases. In cases where the vendor fails to perform as per contractual obligations, but the customer does not impose any penalty due to own expenditure by RailTel, RailTel will reserve the right to penalize the partner irrespective of the customer's decision.

If the total value of penalty on account of delay in implementation exceeds 10% of contract value, RailTel will be, within its rights, to terminate the contract.

A standard LD clause will be applicable at 0.5% per week or part thereof on the undelivered portion, at the sole discretion of RailTel, irrespective of whether the customer imposes LD or not (if back-to-back is not applicable).

Extension of the PO without Liquidated Damages (LD) shall not be granted on a back-to-back basis in following cases. If the delay is attributable to the vendor and RailTel receives an extension without LD from the customer due to own expenditure by RailTel, RailTel reserves the right to grant extension with or without LD, as deemed fit.

9. Delivery & Inspection

- 9.1 Delivery, Installation and Commissioning Period: as per Customer RFP.
- 9.2 All the material should be made available for Inspection by RailTel nominated person/agency.
- 9.3 Partner will be custodian of all the material till installation and commissioning of system.
- 9.4 Charges for any 3rd party inspection should be under scope of Partner.

10. PROVISIONAL ACCEPTANCE TESTING

- 10.1 Immediately after the completion of the work in all aspects, the Bidder shall certify and advise the purchaser in writing that the installation is complete, commissioned and ready for handing over to customer.
- 10.2 The tests will be conducted jointly by purchaser and Bidder as soon as possible after receipt of such advice of completion of the work from the Bidder. The test schedule shall be finalized mutually between the Bidder and RailTel. Any component/modules/sub-assemblies or equipment failing during the commissioning shall be replaced/repared free of cost by bidder.
- 10.3 Purchaser's Engineer shall issue a Provisional Acceptance Certificate (PAC) after successful Supply, installation, integration & commissioning covering all materials and services included in the Schedule of Requirements after the acceptance test as per the approved test procedure have been completed and the performance has been found to meet the specifications. RailTel's decision in this respect shall be final. The Provisional Acceptance Certificate (PAC) shall be signed by both the parties. The period of Comprehensive Maintenance shall commence from the date of issue of Provisional Acceptance Certificate (PAC).

11. FINAL ACCEPTANCE TESTING

- 11.1. The final acceptance of the works shall take effect after completion of the project from the issue of Provisional Acceptance Certificates, provided in any case that the Bidder has complied fully with his obligations in respect of each item under the contract
- 11.2. Notwithstanding the issue of Final Acceptance Certificate (FAC), the Bidder and the purchaser (subject to Sub Clause as above) shall remain liable for fulfilment of any obligation incurred under the provision of the contract prior to the issue of Final Acceptance Certificate which remains unperformed at the time such certificate is issued and for determining the nature and extent of such obligation the contract shall be deemed to remain in force between the parties hereto.
- 11.3. For cases where the scope of work and services are not back-to-back, RailTel shall reserve the right to deduct costs for damaged CAPEX items till issue of FAC as deemed fit by RailTel.

12. INSPECTION

- 12.1 All third-party inspection charges applicable on RailTel's Purchase Order (PO) amount, as received from the customer, shall be borne by the Business Associate (BA). In addition to the mentioned inspection charges, any other charges of inspection as required by end customer will be borne by BA.
- 12.2 Pre-shipment / pre-dispatch inspection shall be carried out at manufacturers/supplier's premises by RailTel's authorized representative, if it is mentioned. Traveling, lodging & boarding expenses of RailTel's representative and charges for 3rd party inspection, if any, shall be borne by RailTel but necessary facilities to carry out tests/inspection shall be provided by the manufacturer/supplier free of cost.

- 12.3 Along with inspection call, the supplier/manufacturer shall submit details of test procedures, program, parameters together with permissible values, etc., and their Quality Assurance Plan.
- 12.4 In case material/equipment fails during inspection, the fresh lot of material shall be offered without any extra cost, by the manufacturer/supplier. In such a case, total cost of re-inspection including travel, lodging & boarding of the inspecting officials shall be to manufacturer's /supplier's account.
- 12.5 Material on arrival at customer premises/project site (other than third party) will be inspected by QA/Inspection Department/Authorised Inspection Authority as per appropriate Quality Assurance Plan and RailTel/end customer's decision in the matter will be final. The test certificate and relevant supporting documents has to be sent by the partner along with the consignment.

All testing shall be facilitated by the BA/SI, and full responsibility for compliance of all features shall lie solely with the BA/SI.

Any item, including hardware or hardware with license, shall be deemed accepted only upon formal acceptance by the RailTel/end customer. RailTel shall not be liable or responsible for any damages or payments in the event of rejection of such hardware or hardware with license by the end customer. Responsibility of acceptance of goods by end customer fully lies with BA/SI. In the event of any rejection of goods at any stage, the BA/SI shall not raise any claims against RailTel. RailTel shall not be a party to any disputes arising from the rejection of goods or licenses.

13. PARTNER'S PROFILE

The partner shall provide the information in the below table:

SN	ITEM	Details
1.	Full name of Partner'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 partner's organization as a whole, including contact numbers and email Address	
4.	Full address, telephone and fax numbers, and email addresses of the office of the organization dealing with this EOI	
5.	Name, designation and full address of the person dealing with the EOI to whom all reference shall be made regarding the EOI enquiry. His/her telephone, mobile, Fax and email address	
6.	Bank Details (Bank Branch Name, IFSC Code, Account number)	
7.	GST Registration number	
8.	Whether owned by SC/ST	

9	Whether owned by Women entrepreneur	
10	Whether MSME (attach Udhyam Aadhaar certificate and Number)	

14. ELIGIBILITY CRITERIA FOR BUSINESS PARTNER OF RAILTEL

SN	Description	Requirement	Compliance
A	General, Technical, Financial & OEM Eligibility		
1	General	Partner should be a Limited/Pvt. Limited/LLP/Partnership/Startup/Proprietary)	1. Certificate of Incorporation/partnership deed/Start Up certificate/ Trade License (As applicable) 2. PAN, GSTIN Certificate
2	Financial	1. Partner / Any Consortium member should have average annual financial turnover during the last 3 years, ending 31st March of the previous financial year of at least 30% of the advertised value against EOI. 2. Sole partner/ All consortium members should also have a positive net worth & be profitable in the last 3 financial years..	Documentary Evidence Required 1. Financial Capability & Viability Certificate from Chartered Accountant. Certificate should contain UDIN no. issued by ICAI. 2. Certificate from Chartered Accountant. Certificate should contain UDIN no. issued by ICAI.
3	Technical	The Partner/any consortium member must have completed similar nature of work during last 3 (Three) years ending Bid submission date as per following capacity 1. One Similar work, each costing not less than the amount equal to 35% of the advertised value of the EOI OR 2. Two Similar works, each costing not less than the amount equal to 20% of the advertised value of the EOI OR 3. Three Similar works, each costing not less than the amount equal to 15% of the advertised value of the EOI OR The partner should possess a proven track record in implementation of similar nature of work in at least 6 station through one order in last 7 years for any Central / State Government Organization / Public Sector Unit (PSU)/Large Enterprise in India.	Documentary Evidence Required: The bidder shall also furnish Supply/ Work Commissioning/ work completion certificate issued by customer/s for the Purchase Orders/ Work Orders.

SN	Description	Requirement	Compliance
		Similar Work means: Panel Interlocking (Indoor + Outdoor) or Route Relay Interlocking (Indoor) or Route Relay Interlocking (Indoor + Outdoor) or Electronic Interlocking/Solid State Interlocking (Indoor) or Electronic Interlocking/Solid State Interlocking (Indoor + Outdoor) OR Full Execution/ Modification/Alteration of Panel Interlocking (Indoor + Outdoor) OR Full Execution/ Modification/ Alteration of Route Relay Interlocking (Indoor) OR Full Execution/ Modification/ Alteration of Electronic Interlocking (Indoor) OR Full Execution/ Modification/ Alteration of Solid State Interlocking (Indoor) OR Full Execution/ Modification/ Alteration of Electronic Interlocking (Indoor+ Outdoor) OR Full Execution/ Modification/ Alteration of Solid State Interlocking (Indoor + Outdoor) OR Supply, installation, Commissioning of relays/field Interface Units for RRI/EI/PI/SS OR OFC laying/any Telecom Works For any Central / State Government Organization / Public Sector Unit (PSU)/Large Enterprise in India Large Enterprise means: Company having turnover of more than 250 Crs in previous audited financial year.	
B. Annexures			
i)	Annexure 1	Covering Letter: Self-certification duly signed by authorized signatory on company letter head.	
ii)	Annexure 2	The Partner should agree to abide by all the technical, commercial & financial conditions of the end customer RFP for which EOI is submitted. Self-certification duly signed by authorized signatory on company letter head.	
iii)	Annexure 3	An undertaking signed by the Authorized Signatory of the Partner to be provided on letter head. The Partner/any of the OEM	

SN	Description	Requirement	Compliance
		should not have been blacklisted/debarred by any Governmental/ Non-Governmental Organization in India as on bid submission date.	
iv)	Annexure-4	Format for Affidavit to be uploaded by Partner/Consortium with the EOI Response documents.	
v)	Annexure-5	Non-disclosure agreement by Partner/Consortium with RailTel.	
vi)	Annexure-6	Checklist of Documents	
vii)	Annexure-7	MAF Format (if Applicable)	
viii)	Annexure-8	Technical Proposal Document	
ix)	Annexure-9	CONSORTIUM AGREEMENT /MEMORANDUM OF AGREEMENT	
x)	Annexure-10	Undertaking of Service Level Compliance	
xi)	Annexure-11	Statement of No Deviation Declaration	
xii)	Annexure-12	Commercial Proposal Document	
xiii)	Annexure-13	Undertaking on Exit Management and Transition	
xiv)	Annexure-14	Declaration – Exclusivity of Participation	
xv)	Annexure-15	Integrity Pact Program & Proforma	
xvi)	Annexure -16	PROFORMA FOR PERFORMANCE BANK GUARANTEE	
xvii)	Annexure – 17	Contract Agreement	
xviii)	Annexure – 18	Standing Indemnity Bond	
xix)	Annexure – 19	Land Border Certificate	
xx)	Annexure – 20	Specification of Documents	
D	Other Documents		
i)	Power of Attorney	Power of Attorney and Board Resolution in favour of one of its employees who will sign the Bid Documents.	
ii)	BA empanelment letter & BG	Empanelment letter issued by RailTel and valid BG copy till bid opening date / Proof of Payment of empanelment fee & mail sent to RailTel CO.	
iii)	Additional Documents to be Submitted	Technical Proposal with overview of the project: • Partner's Understanding of the Project & Scope of Work • Solution Architecture & Design (IT)-If Applicable • Approach & Methodology • Project Plan & Project Team's Experience Operation and Maintenance Plan	
iv)	Integrity Pact	PROFORMA FOR "SIGNING THE INTEGRITY PACT" (If bid value is above 15 Crore)	
v)	OEM Documents	1. MAF as per Annexure 7 (if applicable) Compliance of Specification as given in Annexure 20 (in OEM Letterhead – if applicable)	

RailTel at its discretion may select an offer which does not fulfil the eligibility criteria, if otherwise found suitable as per the requirement of CoR.

15. FAILURE AND TERMINATION

15.1 Failure and Termination: If the Contractor fails to deliver the supply and services or any instalment thereof within the period fixed for such delivery in the contract or as extended or at any time repudiates the contract before the expiry of such period the Purchaser may without prejudice to his other rights:

- 15.1.1 Recover from the Contractor as agreed liquidated damages and not by way of penalty a sum equivalent to Half per cent of the price of any stores (including elements of taxes, duties, freight, etc.) which the Contractor has failed to deliver within the period fixed for delivery in the contract or as extended for each week or part of a week during which the delivery of such stores may be in arrears where delivery thereof is accepted after expiry of the aforesaid period The upper limit for recovery of liquidated damages will be 10% (Ten Percent) of Total contract value provided in the contract or
- 15.1.2 Cancel the contract or a portion thereof and forfeit the security deposit and encash performance bank guarantee. Or
- 15.1.3 Cancel the contract or a portion thereof and if so desired purchase or authorize the purchase of the stores not so delivered or others of a similar description (where stores exactly complying with particulars are not, in the opinion of the Purchaser, which shall be final, readily procurable) at the risk and cost of the contractor.

It shall, however, be in the discretion of the Purchaser to collect or not the security deposit from the firm/firms on whom the contract is placed at the risk and expense of the defaulted firm.

Where action is taken under sub-clause (15.1.2) above, the contractor shall be liable for any loss which the purchaser may sustain on the account provided the purchase, or if there is an agreement to purchase, such agreement is made, in case of failure to deliver the stores within the period fixed for such delivery in the contract or extended as per a reasonable period as per the discretion of the purchaser from the date of such failure and in case of repudiation of the contract before the expiry of the aforesaid period of delivery, a reasonable period as per the discretion of the purchaser from the date of cancellation of the contract. The contractor shall not be entitled to any gain on such purchase and the manner and method of such purchase shall be in the entire discretion of the purchaser. It shall not be necessary for the purchaser to serve a notice of such purchase to the contractor.

- 15.1.4 Any further condition asked by End customer RFP.

15.2 Termination for Default: The purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the Tenderer, terminate this contract in whole or in part.

- 15.2.1 If the tenderer fails to deliver any or all of the goods within the time period(s) specified in the contract.
- 15.2.2 If the tenderer fails to perform any other obligation(s) under the contract; and
- 15.2.3 If the tenderer, in either of the above circumstance(s) does not remedy his failure within a period of 30 days (or such longer period as the Purchaser may authorize in writing) after receipt of the default notice from the Purchaser.
- 15.2.4 In case of any of the above circumstances the RailTel shall pay the supplier for all products and services delivered till point of termination as per terms and conditions of the contract.

However, any recovery and losses occurred to RailTel will be recovered from Contractor up to the value of contract.
- 15.2.5 If 10% or more equipment found to be failed frequently again and again, the bidder may be barred for participating in the tender for a period of two years besides the above penalties to be imposed. RailTel keeps the right to terminate the contract in case of poor performance of quality and reliability of product supplied.
- 15.2.6 In the case of failure by the BA partner to implement the project as per the scheduled timeline, RailTel may issue a 7 days notice & subsequently a 48 hours notice before proceeding to terminate the contract. RailTel will not be liable to any loss/dispute on the part of BA partner on account of this termination.

16. INDEMNITY BY CONTRACTOR:

- 16.1 The selected partner agrees to indemnify and hold harmless RailTel, its officers, employees and agents (each an "Indemnified Party") promptly upon demand at any time and from time to time, from and against any and all losses, claims, damages, liabilities, costs (including reasonable attorney's fees and disbursements) and expenses (collectively, "Losses") to which the Indemnified party may become subject, in so far as such losses directly arise out of, in any way relate to, or result from.
 - a) Any mis-statement or any breach of any representation or warranty made by CSP or
 - b) The failure by the CSP to fulfill any covenant or condition contained in this contract by any employee or agent of the Bidder. Against all losses or damages arising from claims by third Parties that any Deliverables (or the access, use or other rights thereto), created by CSP pursuant to this contract, or any equipment, software, information, methods of operation or other intellectual property created by CSP pursuant to this contract, or the SLAs (i) infringes a copyright, trade mark, trade design enforceable in India, (ii) infringes a patent issues in India, or (iii) constitutes misappropriation or unlawful disclosure or used of another Party's trade secrets under the laws of India (collectively, "Infringement Claims"); or

c) Any compensation / claim or proceeding by any third party against RailTel arising out of any act, deed or omission by the CSP or

d) Claim filed by a workman or employee engaged by the CSP for carrying out work related to this agreement. For the avoidance of doubt, indemnification of Losses pursuant to this section shall be made in an amount or amounts sufficient to restore each of the Indemnified Party to the financial position it would have been in had the losses not occurred

16.2 Any payment made under this contract to an indemnity or claim for breach of any provision of this contract shall include applicable taxes.

16.3 Indemnity bond of proportionate amount to be submitted by contractor.

17. Materials supplied by RailTel will be supplied at customer designated store. Transportation of this material to site for installation shall be the responsibility of contractor. Free of Cost

MATERIAL HANDLING

17.1. If the stores are to be kept at RailTel's end prior to execution, but customer has paid for these materials as per payment terms-

The Partner will be responsible for storing materials prior to execution of the work at their designated store, against which they will submit a standing indemnity bond. The Partner will make an insurance policy for this store and submit the document to RailTel. Monthly rent, Guarding and other costs for this store will be borne by Partner.

RailTel will be the custodian of the material and will manage the transaction of the material from this store and issue materials as per weekly/fortnightly/monthly consumption of the materials to the Partner. Partner will submit a monthly statement of material reconciliation (Received/used/balance) to RailTel. To make the transaction easy and reduce additional cost of storing part material at a separate store, the Partner may make a small exclusive enclosure inside the main store to keep the weekly/fortnightly/monthly consumables received from RailTel, if need be.

17.2. If the stores are directly dispatched to customers and to be kept under custody of customers:

RailTel will receive the materials at customer premises and issue the store to customers through a separate delivery challan to be issued by RailTel. Further steps will be followed for issuing the stores as per weekly/fortnightly/monthly consumption of the materials to the SI/BA against a standing indemnity bond.

In both cases the SI/BA has to take a contractor's all risk project insurance policy (CAR) in favour of RailTel/customer (as per requirement) apart from storage insurance apart from storage insurance.

18. VARIATION IN QUANTITY: RailTel reserves the right to reduce or increase the quantity of any item as mentioned in the BoM/BoQ, either back-to-back as per requirement of End Customer or mutual agreement between RailTel & BA partner.

18 A : New Item : If end customer approves new item to complete the project, the same shall be executed by BA at mutually agreed rates and finalised by RailTel.

19. Purchase Preference to bidders under make in India Policy: The provisions of the revised "Public Procurement (Preference to Make in India) Order 2017" dated. 15.06.2017 & dated 16.09.2020 (or subsequent revisions, if any till opening of tender) by Department of Promotion of Industry and Internal Trade (DPIIT), GoI shall apply to this EOI. If applicable in end customer RFP/Tender/EOI/Proposal.

20. FORCE MAJEURE CLAUSE: On the occurrence of any unforeseen event, beyond the control of either Party, directly interfering with the delivery of Services arising during the currency of the contract, such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the affected Party shall, within a week from the commencement thereof, notify the same in writing to the other Party with reasonable evidence thereof. Unless otherwise directed by RailTel in writing, the contractor shall continue to perform its obligations under the contract as far as reasonably practicable and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. If the force majeure condition(s) mentioned above be in force for 90 days or more at any time, either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days' notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract before such termination.

Notwithstanding the remedial provisions contained in GCC-clause 22 or 29, none of the Party shall seek any such remedies or damages for the delay and/ or failure of the other Party in fulfilling its obligations under the contract if it is the result of an event of Force Majeure.

21. RESOLUTION OF DISPUTES:

21.1 Disputes and Excepted Matters

All disputes and differences between the parties hereto, as to the construction or operation of this contract, or the respective rights and liabilities of the parties on any matter in question; or any other account whatsoever, but excluding the Excepted Matters (detailed below); arising out of or in connection with the contract, within twenty one (21) days from aggrieved Party notifying the other Party of such matters; whether before or after the completion/ termination of the contract, that cannot be resolved amicably between the Procurement Officer and the contractor within twenty one (21) days from aggrieved Party notifying the other Party of such matters, shall be hereinafter called the "Dispute". The aggrieved party shall give a 'Notice of Dispute' indicating the Dispute and claims citing relevant Contractual clause to the designated authority and requesting for invoking the following dispute resolution mechanisms. The Dispute shall be resolved without recourse to courts through dispute resolution mechanisms detailed subsequently, in the sequence as mentioned below, and the next mechanism shall not be invoked unless the earlier

mechanism has been invoked or has failed to resolve it within the deadline mentioned therein.

1.1.1 Adjudication

1.1.2 Conciliation

1.1.3 Arbitration

21.2 Excepted Matters

Matters for which provision has been made in any Clause of the contract shall be deemed as 'excepted matters' (matters not disputable/ arbitrable), and decisions of RailTel, thereon shall be final and binding on the contractor. The 'excepted matters' shall stand expressly excluded from the purview of the sub-clauses below, including Arbitration. However, where RailTel has raised the dispute, this sub- clause shall not apply. Unless otherwise stipulated in the contract, excepted matters shall include but not limited to:

21.2.1 any controversies or claims brought by a third party for bodily injury, death, property damage or any indirect or consequential loss arising out of or in any way related to the performance of this Contract ("Third Party Claim"), including, but not limited to, a Party's right to seek contribution or indemnity from the other Party in respect of a Third-Party Claim.

21.2.2 Issues related to the pre-award tender process or conditions

21.2.3 Issues related to ambiguity in contract terms shall not be taken up after a contract has been signed. All such issues should be highlighted before the signing of the contract by the contractor.

21.2.4 Provisions incorporated in the contract, which are beyond the purview of RailTel or are in pursuance of policies of Government, including but not limited to:

21.2.4.1 Provisions of restrictions regarding local content and Purchase Preference to Local suppliers in terms of Make in India policy of the Government;

21.2.4.2 Provisions regarding restrictions on Entities from Countries having land- borders with India in terms of the Government's policies in this regard;

21.2.4.3 Purchase preference policies regarding MSEs and Start-ups.

21.3 Adjudication

After exhausting efforts to resolve the Dispute with the Purchasing Officer executing the contract on behalf of RailTel, the contractor shall give a 'Notice of Adjudication' specifying the matters which are in question, or subject of the dispute or difference indicating the relevant contractual clause, as also the amount of claim item-wise to Head of Procurement or any other authority mentioned in the contract (hereinafter called the "Adjudicator") for invoking resolution of the dispute through Adjudication. During his adjudication, the Adjudicator shall give adequate opportunity to the contractor to present his case. Within 60

days after receiving the representation, the Adjudicator shall make and notify decisions in writing on all matters referred to him. The parties shall not initiate, during the adjudication proceedings, any conciliation or arbitral or judicial proceedings in respect of a dispute that is the subject matter of the adjudication proceedings. If not satisfied by the decision in adjudication, or if the adjudicator fails to notify his decision within the abovementioned time-frame, the contractor may proceed to invoke the process of Conciliation as follows.

21.4 Conciliation of disputes

21.4.1 Any party may invoke Conciliation by submitting "Notice of Conciliation" to the Head of the RailTel Corporation of India Ltd. Since conciliation is a voluntary process, within 30 days of receipt of "Notice of Conciliation", the Head of the RailTel Corporation of India Ltd shall notify a sole Conciliator if the other party is agreeable to enter Conciliation. If the other party is not agreeable to Conciliation, the aggrieved party may invoke Arbitration.

21.4.2 The Conciliator shall proactively assist the parties to reach an amicable settlement independently and impartially within the terms of the contract, within 60 days from the date of appointment of the Conciliator.

21.4.3 If the parties reach an agreement on a dispute settlement, they shall draw up a written settlement agreement duly signed by the parties and conciliator. When the parties sign the settlement agreement, it shall be final and binding on the parties. The dispute shall be treated as resolved on the date of such agreement.

21.4.4 The parties shall not initiate, during the conciliation proceedings, any arbitral or judicial proceedings in respect of a dispute that is the subject matter of the conciliation proceedings.

21.4.5 Termination of Conciliation: Disputes shall remain alive if the conciliation is terminated as follows:

21.4.5.1 By written declaration of the conciliator, after consultation with the parties, to the effect that further efforts at conciliation are no longer justified, on the date of such declaration; or

21.4.5.2 By a written declaration of any party to the conciliator to the effect that the conciliation proceedings are terminated, on the date of such declaration; or

21.4.5.3 If the parties fail to reach an agreement on a settlement of the dispute, within 60 days of the appointment of Conciliator

21.4.6 On termination of Conciliation, if the dispute is still alive, the aggrieved party shall be free to invoke Arbitration.

21.5 Arbitration Agreement

21.5.1 This Arbitration Agreement (hereinafter referred to as this "Agreement") relating to this Contract (hereinafter called the "Main Agreement" for this agreement) is made under the provisions of The Arbitration and Conciliation Act, 1996 as amended from time to time and the rules

thereunder (hereinafter called The Arbitration Act). This Agreement shall continue to survive termination, completion, or closure of the Main Agreement for 120 days after that.

21.5.2 Subject to aforesaid provisions, relevant clauses of the contract shall apply to the appointment of arbitrators and arbitration proceedings under this Agreement.

21.5.3 The Micro, Small and Medium Enterprises Development (MSMED) Act, 2006 provides parties to a dispute (where one of the parties is a Micro or Small Enterprise) to be referred to Micro and Small Enterprises Facilitation Council if the dispute is regarding any amount due under Section 17 of the MSMED Act, 2006. If a Micro or Small Enterprise, being a party to dispute, refers to the provisions in MSMED Act 2006, these provisions shall prevail over this Agreement.

21.6 Notice for Arbitration

21.6.1 Authority to Appoint Arbitrator(s): For this Arbitration Agreement 'The Appointing Authority', to appoint the arbitrator shall be Head of the RailTel Corporation of India Ltd named in the contract and includes if there be no such authority, the officer who is for the time being discharging the functions of that authority, whether in addition to other functions or otherwise.

21.6.2 In the event of any dispute as per GCC-clause 28.1 above, if the Adjudicator fails to decide within 60 days (as referred in GCC-clause 28.3 above), or the Conciliation is terminated (as referred in sub-clause 28.4 above) then, parties to the contract, after 60 days but within 120 days of 'Notice of Dispute' (clause 28.1 above) shall request the Appointing Authority through a "Notice for Arbitration" in writing requesting that the dispute or difference be referred to arbitration.

21.6.3 The "Notice for arbitration" shall specify the matters in question or subject of the dispute or difference indicating the relevant contractual clause, as well as the amount of claim item-wise.

21.7 Reference to Arbitration

After appointing Arbitrator(s), the Appointing Authority shall refer the Dispute to them. Only such dispute or difference shall be referred to arbitration regarding which the demand has been made, together with counter-claims or set off. Other matters shall be beyond the jurisdiction of Arbitrator(s)

21.8 Appointment of Arbitrator

21.8.1 Qualification of Arbitrators:

21.8.1.1 In the case of retired officers of The RailTel Corporation of India Ltd, he shall have retired in the rank of Senior administrative

grade (or equivalent) and shall have retired at least 1 years prior and must not be over 70 years of age on the date of Notice for arbitration.

- 21.8.1.2 He/ they shall not have had an opportunity to deal with the matters to which the contract relates or who, in the course of his/ their duties as officers of the RailTel Corporation of India Ltd, expressed views on any or all of the matters under dispute or differences. A certification to this effect shall be taken from Arbitrators. The proceedings of the Arbitral tribunal or the award made by such Tribunal shall, however, not be invalid merely for the reason that one or more arbitrators had in the course of his service, an opportunity to deal with the matters to which the contract relates or who in the course of his/ their duties expressed views on all or any of the matters under dispute.
- 21.8.1.3 An Arbitrator may be appointed notwithstanding the total no. of arbitration cases in which he has been appointed in the past.
- 21.8.1.4 Not be other than the person appointed by The Appointing Authority and that if for any reason that is not possible, the matter shall not be referred to arbitration at all.

21.9 Replacement of Arbitrators

If one or more of the arbitrators appointed as above refuses to act as arbitrator, withdraws from his office as arbitrator, or in the event of the arbitrator dying, neglecting/ unable or unwilling or refusing to act for any reason, or his award being set aside by the court for any reason, or in the opinion of The Appointing Authority fails to act without undue delay, the Appointing Authority shall appoint new arbitrator/ arbitrators to act in his/ their place in the same manner in which the earlier arbitrator/ arbitrators had been appointed. Such a re-constituted Tribunal may, at its discretion, proceed with the reference from the stage at which it was left by the previous arbitrator (s).

21.10 Appointment of Arbitrator

- 21.10.1 In cases where the total value of all claims in question added together does not exceed Rs 50,00,000/- (Rupees Fifty Lakh only), the Arbitral Tribunal shall consist of sole Arbitrator. For this purpose, The Appointing Authority shall send to the contractor, within 60 days from the day of receipt of a written and valid notice for arbitration, a panel of at least four (4) names of retired officers, duly indicating their retirement dates.
- 21.10.2 The contractor shall be asked to nominate at least two names out of the panel for appointment as his nominee within 30 days from the dispatch date of the request by The Appointing Authority. The Appointing Authority shall appoint at least one out of them as the sole arbitrator within 30 days from the receipt of the names of the contractor's nominees.
- 21.10.3 In cases where the total value of all claims in question added together

exceeds Rs 50,00,000/- (Rupees Fifty Lakh only), the Arbitral Tribunal shall consist of three (3) retired Officers of the RailTel Corporation of India Ltd. For this purpose, The

Appointing Authority shall send a panel of at least four (4) names of such Officer(s) empaneled to work as Arbitrators duly indicating their retirement date to the contractor within 60 days from the day when a written and The Appointing Authority receives valid demand for arbitration.

21.10.4 The contractor shall be asked to nominate at least 2 names out of the panel for appointment as his nominee within 30 days from the dispatch date of the request by The Appointing Authority. The Appointing Authority shall appoint at least one out of them as the contractor's nominee. It shall also simultaneously appoint the balance number of arbitrators either from the panel or outside the panel, duly indicating the 'Presiding Arbitrator' from amongst the 3 arbitrators so appointed, within 30 days from the receipt of the names of Contractor's nominees.

21.10.5 If the contractor does not suggest his nominees for the arbitral tribunal within the prescribed timeframe, The Appointing Authority shall proceed for appointment of the arbitral tribunal within 30 days of the expiry of such time provided to the contractor.

21.11 Failure to appoint Arbitrators.

If The Appointing Authority fails to appoint an arbitrator within 60 (sixty) days, then subject to the survival of this Arbitration Agreement, in international commercial arbitration, the Supreme Court of India shall designate the arbitral institution for the appointment of arbitrators. In case of national arbitrations, the High Court shall designate arbitral institutions. The Arbitration Council of India must have graded these arbitration institutions. These arbitral institutions must complete the selection process within thirty days of accepting the request for the arbitrator's appointment.

21.12 Arbitral Procedure

21.12.1 Effective Date of Entering Reference: The arbitral tribunal shall be deemed to have entered the reference on the date on which the arbitrator(s) have received notice of their appointment. All subsequent time limits shall be counted from such date.

21.12.2 Seat and Venue of Arbitration: The seat of arbitration shall be the place from which the Purchase Order or the contract is issued. The venue of arbitration shall be the same as the seat of arbitration. However, in terms of section 20 of The Arbitration Act, the arbitrator, at his discretion, may determine a venue other than the seat of the arbitration without in any way affecting the legal jurisdictional issues linked to the seat of the arbitration.

21.12.3 If the Adjudication and/ or Conciliation mechanisms had not been exhausted before such reference to Arbitration, the Arbitrator should ask

the aggrieved party to approach designated authority for such mechanisms before the Arbitration proceedings are started.

- 21.12.4 The claimant shall submit to the Arbitrator(s) with copies to the respondent his claims stating the facts supporting the claims along with all the relevant documents and the relief or remedy sought against each claim within 30 days from the date of appointment of the Arbitral Tribunal unless otherwise extension has been granted by Arbitral Tribunal.
- 21.12.5 On receipt of such claims, the respondent shall submit its defence statement and counter claim(s), if any, within 60 days of receipt of the copy of claims, unless otherwise extension has been granted by Arbitral Tribunal.
- 21.12.6 No new claim shall be added during proceedings by either party. However, a party may amend or supplement the original claim or defence thereof during arbitration proceedings subject to acceptance by the Tribunal having due regard to the delay in making it.
- 21.12.7 Statement of claims, counterclaims and defence shall be completed within six months from the effective reference date.
- 21.12.8 Oral arguments to be held on a day-to-day basis: Oral arguments as far as possible shall be heard by the arbitral tribunal on a day-to-day basis, and no adjournments shall be granted without sufficient cause. The arbitrator(s) may impose an exemplary cost on the party seeking adjournment without sufficient cause.
- 21.12.9 Award within 12 (twelve) months: The arbitral tribunal is statutorily bound to deliver an award within 12 (twelve) months from the date when the arbitral tribunal enters reference. The award can be delayed by a maximum of six months only under exceptional circumstances where all parties consent to such extension of time. The court's approval shall be required for further extension if the award is not made out within such an extended period. During the period of an application for extension of time is awaiting before the court, the arbitrator's proceedings shall continue until the disposal of the application.

21.13 Fast Track Procedure

The parties to arbitration may choose to opt for a fast-track procedure either before or after the commencement of the arbitration. The award in fast-track arbitration is to be made out within six months, and the arbitral tribunal shall be entitled to additional fees. The salient features of the fast-track arbitration are:

- 21.13.1 The dispute is to be decided based on written pleadings only.
- 21.13.2 Arbitral Tribunal shall have the power to call for clarifications in addition to the written pleadings where it deems necessary.
- 21.13.3 An oral hearing may be held only if all the parties request or the arbitral tribunal considers it necessary.

- 21.13.4 The parties are free to decide the fees of the arbitrator(s) for fast-track procedure.

21.14 Powers of Arbitral Tribunal to grant Interim Relief

The parties to arbitration may approach the arbitral tribunal for seeking interim relief on the grounds available under section 9 of the act. The tribunal has the powers of a court while making interim awards in the proceedings before it.

21.15 Confidentiality

As provided in Section 42A of The Arbitration Act, all the details and particulars of the arbitration proceedings shall be kept confidential, except in certain situations like if the disclosure is necessary for the implementation or execution of the arbitral award.

21.16 Obligation During Pendency of Arbitration

Performance of the contract shall, unless otherwise directed by RailTel, continue during the arbitration proceedings, and no payment due or payable by RailTel shall be withheld on account of such proceedings, provided; however, it shall be open for Arbitral Tribunal to consider and decide whether or not the performance of the contract or payment therein should continue during arbitration proceedings.

21.17 The Arbitral Award

- 21.17.1 In the case of the Tribunal, comprising of three members, any ruling on award shall be made by a majority of members of the Tribunal. In the absence of such a majority, the views of the Presiding Arbitrator shall prevail.
- 21.17.2 The arbitral award shall state item-wise the sum and reasons upon which it is based. The analysis and reasons shall be detailed enough so that the award can be inferred from it.
- 21.17.3 It is further a term of this arbitration agreement that where the arbitral award is for the payment of money, no interest shall be payable on whole or any part of the money for any period till the date on which the award is made in terms of Section 31 (7) (a) of The Arbitration Act.
- 21.17.4 The award of the arbitrator shall be final and binding on the parties to this contract.
- 21.17.5 A party may apply for corrections of any computational errors, typographical or clerical errors, or any other error of similar nature occurring in the award or interpretation of a specific point of the award to the Tribunal within 60 days of receipt of the award.
- 21.17.6 A party may apply to the Tribunal within 60 days of receiving the award to make an additional award as to claims presented in the arbitral

proceedings but omitted from the arbitral award.

21.18 Savings

The Arbitral Tribunal shall decide any matter related to Arbitration not covered under this Arbitration Agreement as per the provisions of The Arbitration Act.

21.19 Cost of Arbitration and fees of the Arbitrator(s)

- 21.19.1 The concerned parties shall bear the cost of arbitration in terms of section 31 (A) of The Arbitration Act. The cost shall inter-alia include fees of the Arbitrator. Further, the fees payable to the Arbitrator shall be governed by instructions issued on the subject by RailTel and/ or the Government from time to time, in line with the Arbitration and Conciliation Act, irrespective of the fact whether the Arbitrator is appointed by RailTel or the Government under this clause or by any court of law unless directed explicitly by Hon'ble court otherwise on the matter. A sole arbitrator shall be entitled to a 25% extra fee over such a prescribed fee.
- 21.19.2 The arbitrator shall be entitled to a 50 percent extra fee if the award is made within 6 months in terms of provisions contained in section 29(A) (2) of The Arbitration Act.
- 21.19.3 Besides the above, Arbitrator shall also be entitled to this extra fee in cases where Fast Track Procedure in terms of section 29 (B) of The Arbitration Act is followed.

22. **APPLICABLE LAW:** The work orders will be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing. Any default in the terms and conditions of the EOI by the bidder will lead to rejection of bid/work order and forfeiture of EMD/Security Deposit & Performance Guarantee Amount.

23. **INTELLECTUAL PROPERTY RIGHTS:** The Selected Partner will indemnify RAILTEL of any infringement of third-party rights be they under the Patents Act or the IPR.

24. Eligibility of bidders from specified countries

24.1 Orders issued by the Government of India restricting procurement from bidders from certain countries that share a land border with India shall apply to this EOI.

- 1) Any bidder (as defined in GCC-clause 2.5) from a country that shares a land border with India, excluding countries as listed on the website of the Ministry of External Affairs, to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects (hereinafter called 'Restricted Countries') shall be eligible to bid in this tender only if Bidder is registered with the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Bidders shall enclose the certificate in this regard in Form 1.2.

- 2) In Bids for Turnkey contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from such Restricted Countries unless such contractor is similarly registered. In such cases, the bidders shall enclose the certificate in Form 1.2.
- 3) If Bidder has proposed to sub-contract Services or incidental Goods directly/ indirectly from the vendors from such countries, such vendor shall be required to be registered with the Competent Authority. However, if Bidder procures raw material, components, and sub-assemblies from such countries' vendors, such vendors shall not require registration.
- 4) "Bidder from such Restricted Countries" means:-
 - a. An entity incorporated, established, or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established, or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established, or registered in such a country; or
 - d. An entity whose beneficial owner is situated in such a country; or
 - e. An Indian (or other) agent of such an entity. Agent is a person employed to do any act for another, or to represent another in dealings with third persons.; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium/ joint venture where any member falls under any of the above
- 5) The beneficial owner shall mean:
 - a. In a company or Limited Liability Partnership, the beneficial owner is the natural person(s). Whether acting alone or together or through one or more juridical persons, controlling ownership interest or exercises control through other means.

Explanation-

- i. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five percent of the company's shares or capital or profits.
- ii. "Control" shall include the right to appoint a majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder agreements or voting agreements;
- b. In the case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together or through one or more juridical persons, has ownership of entitlement to more than fifteen percent of capital or profits.
- c. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- d. Where no natural person is identified under 5 (a) or (b) or (c) above, the

beneficial owner is the relevant natural person who holds the position of senior managing official.

- e. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

25. EXIT MANAGEMENT

25.1 Exit Management Purpose

- b) This clause sets out the provision, which will apply during Exit Management period. The parties shall ensure that their respective associated entities carry out their respective obligation set out in this Exit Management Clause.
- c) The exit management period starts, in case of expiry of contract, at least 03 months prior to the date when the contract comes to an end or in case of termination contract, on the date when the notice of termination is sent to the CSP. The exit management period ends on the date agreed upon by RailTel or Three (03) months after the beginning of the exit management period, whichever is earlier.

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

- a) Information relating to the current services rendered and performance data relating to the performance of the services; documentation relating to the project, project's customized source code (if any); any other data and confidential information created as part of or is related to this contract;
- b) All other information (including but not limited to documents, records and agreements) relating to the services reasonably necessary to enable RailTel and its nominated agencies, or its replacing vendor to carry out due diligence in order to transition the provision of the services to RailTel or its nominated agencies, or its replacing vendor (as the case may be).

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

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

26. MANPOWER DEPLOYMENT

- 26.1. The Bidder shall be responsible for thoroughly reviewing and understanding the End Customer's RFP in its entirety and shall acquaint itself with the detailed Scope of Work specified therein. The Bidder shall, at its own cost, deploy and maintain the requisite manpower, resources, and infrastructure as mandated under the End Customer's RFP for the entire Project duration, including the Warranty and Annual Maintenance Contract (AMC) period (if applicable.) RailTel's role and responsibility shall be limited solely to the supervision and oversight of the Project, without prejudice to the obligations and liabilities of the Bidder under the End Customer's RFP and the Contract.
- 26.2. The successful bidder shall place and keep on the works at all times efficient and competent staff to give the necessary directions to his workmen and to see that they execute their work in sound & proper manner and shall employ only such supervisors, workmen & labourers in or about the execution of any of these works as are careful and skilled in the various trades.
- 26.3. In the event of the RailTel Official being of the opinion that the Contractor is not employing on the works a sufficient number of staff and workmen as is necessary for proper completion of the works within the time prescribed, the Contractor shall forthwith on receiving intimation to this effect deploy the additional number of staff and labour as specified by the RailTel.

27. SITE CLEARANCE

- 27.1. Clearance of Site on Completion: On completion of the works, the Contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and works clean and in a workman like condition to the satisfaction of the RailTel Official. No final payment in settlement of the accounts for the works shall be paid, held to be due or shall be made to the, Contractor till, in addition to any other condition necessary for final payment, site clearance shall have been affected by him, and such clearance may be made by the Engineer at the expense of the Contractor in the event of his failure to comply with this provision within 7 days after receiving notice to that effect.

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Annexure 1: Format for OFFER LETTER

OFFER LETTER (To be on company letter head)

Eol Reference No:

Date:

To,
The Principle Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

Dear Sir,

SUB: Participation in the Eol process

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

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

We hereby declare that all the information and supporting documents furnished as a part of our response to the said Invitation for Eol 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 Eol is liable to be rejected.

We hereby Submit EMD amount of Rs. _____ issued vide _____ from Bank _____.

Authorized
Signatory Name
Designation

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Annexure 2: Format for Self-Certificate & Undertaking

Self-Certificate (To be on company letter head)

EOI Reference No:

Date:

To,

The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector
V, Bidhannagar, Kolkata, West Bengal
700091

Dear Sir,

Sub: Self Certificate for Tender, Technical & other compliances

- 1) Having examined the technical specifications mentioned in this EOI & end customer tender / EOI/ asked proposal, we hereby confirm that we meet all specification.
- 2) We _____ agree to abide by all the technical, commercial & financial conditions of the end customer tender / asked proposal for which EOI is submitted if applicable or as per requirement mentioned in EOI (except pricing, termination & risk purchase rights of the RailTel). We understand and agree that RailTel shall release the payment to selected sole partner after the receipt of corresponding payment from end customer by RailTel. Further we understand that in case we fail 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 partner.
- 3) We agree to abide by all the technical, commercial & financial conditions of the end customer's tender / asked proposal 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 tender/ EOI/ asked proposal. We are hereby enclosing the arrangement of OEMs against each of the BOQ item quoted as mentioned end customer's tender / EOI/ asked proposal. We also undertake to submit MAF and other documents required in the end Customer organization tender / EOI/ asked proposal 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 or any latest order in this regards.

- 6) We hereby undertake to work with RailTel as per end customer's tender / agreed proposal terms and conditions. We confirm to submit all the supporting documents constituting/ in compliance with the Criteria as required in the end customer's tender terms and conditions like technical certificates, OEM compliance documents.
- 7) We understand and agree that RailTel is intending to select CSP who is willing to accept all terms & conditions of end customer organization's tender / EOI/ asked proposal for the agreed scope of work. RailTel will strategies to retain scope of work where RailTel has competence.
- 8) We hereby agree to submit that in case of being selected by RailTel as sole partner/ consortium for the proposed project(for which EOI is submitted), we will submit all the forms, appendix, relevant documents etc. to RailTel that is required and desired by end Customer well before the bid submission date by end customer and as and when required.
- 9) We hereby undertake to sign Agreement and Non-Disclosure Agreement with RailTel on a non-judicial stamp paper of Rs. 100/- in the prescribed Format.

Authorized

Signatory

Name &

Designation

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Annexure 3: Undertaking for not Being Blacklisted/Debarred

<On Company Letter Head>

To,

The Principle Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

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

We, Company Name, having its registered office at Address hereby declares that that the Company has not been blacklisted / debarred / “put on Holiday” by any Government or quasi-Government agencies or PSUs in India for past 3 Years as on bid submission date.

Date and Place

Authorized Signatory's Signature:

Authorized Signatory's Name and Designation:

Partner's Company Seal:

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Annexure 4: Format of Affidavit

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

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

I..... (Name and designation)** appointed as the attorney/authorized signatory of the partner (including its constituents),

M/s (hereinafter called the partner) for the purpose of the EOI

documents for the work of as per the EOI No.

of (RailTel Corporation of India Ltd.), do hereby solemnly affirm and state on the behalf of the BA including its constituents as under:

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

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

Place: Dated:

SEAL AND SIGNATURE
OF THE PARTNER

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

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Annexure-5: Non-Disclosure Agreement (NDA) Format**NON-DISCLOSURE AGREEMENT**

This Non-Disclosure Agreement (this "**Agreement**") is made and entered into on this _____ day of _____, 20XX (the "**Effective Date**") at _____.

By and between

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

And

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

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

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

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

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

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

1. Permitted Use.

(a) Receiving Party shall:

- (i) hold all Information received from Disclosing Party in confidence;
- (ii) use such Information for the purpose of evaluating the possibility of entering into a commercial arrangement between the Parties concerning such Information; and

(iii) restrict disclosure of such Information to those of Receiving Party's officers, directors, employees, affiliates, advisors, agents and consultants (collectively, the "**Representatives**") who the Receiving Party, in its reasonable discretion, deems need to know such Information, and are bound by the terms and conditions of (1) this Agreement, or (2) an agreement with terms and conditions substantially similar to those set forth in this Agreement.

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

(i) is wholly and independently developed by Receiving Party without the use of Information of Disclosing Party;

(ii) at the time of disclosure to Receiving Party, was either (A) in the public domain, or (B) known to Receiving Party;

(iii) is approved for release by written authorization of Disclosing Party; or

(iv) is disclosed in response to a valid order of a court or other governmental body in the India or any political subdivision thereof, but only to the extent of, and for the purposes set forth in, such order; provided, however, that Receiving Party shall first and immediately notify Disclosing Party in writing of the order and permit Disclosing Party to seek an appropriate protective order.

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

2. **Designation.**

(a) Information shall be deemed confidential and proprietary and subject to the restrictions of this Agreement if, when provided in:

(i) written or other tangible form, such Information is clearly marked as proprietary or confidential when disclosed to Receiving Party; or

(ii) oral or other intangible form, such Information is identified as confidential or proprietary at the time of disclosure.

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

4. **Ownership of Information.** All Information remains the property of Disclosing Party and no license or other rights to such Information is granted or implied hereby. Notwithstanding the foregoing, Disclosing Party understands that Receiving Party may currently or in the future be developing information internally, or receiving information from other parties that may be similar to Information of the Disclosing Party. Notwithstanding anything to the contrary, nothing in this Agreement will be construed as a representation or inference that Receiving Party will not develop products, or have products developed for it, that, without violation of this Agreement, compete with the products or systems contemplated by Disclosing Party's Information.

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

6. **Return or Destruction of Information.**

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

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

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

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

8. Notice.

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

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

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

RailTel Corporation of India limited:

Attn: _____
 Address: _____
 Phone: _____
 Email: _____

 Attn: _____
 Address: _____
 Phone: _____
 Email: _____

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9. Term, Termination and Survivability.

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

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

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

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

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

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

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

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

13. Settlement of Disputes:

- a) The parties shall, at the first instance, attempt to resolve through good faith negotiation and consultation, any difference, conflict or question arising between the parties hereto relating to or concerning or arising out of or in connection with this agreement, and such negotiation or consultation shall begin promptly after a Party has delivered to another Party a written request for such consultation.
- b) In the event of any dispute, difference, conflict or question arising between the parties hereto, relating to or concerning or arising out of or in connection with this agreement, is not settled through good faith negotiation or consultation, the same shall be referred to arbitration by a sole arbitrator.
- c) The sole arbitrator shall be appointed by CMD/RailTel out of the panel of independent arbitrators maintained by RailTel, having expertise in their respective domains. The seat and the venue of arbitration shall be New Delhi. The arbitration proceedings shall be in accordance with the provision of the Arbitration and Conciliation Act 1996 and any other statutory amendments or modifications thereof. The decision of arbitrator shall be final and binding on both parties. The arbitration proceedings shall be conducted in English Language. The fees and cost of arbitration shall be borne equally between the parties.

14. CONFIDENTIALITY OF NEGOTIATIONS

Without the Disclosing Party's prior written consent, the Receiving Party shall not disclose to any Person who is not a Representative of the Receiving Party the fact that Confidential Information

has been made available to the Receiving Party or that it has inspected any portion of the Confidential Information or that discussions between the Parties may be taking place.

15. REPRESENTATION

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

16. ASSIGNMENT

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

17. EMPLOYEES AND OTHERS

Each Party shall advise its Representatives, contractors, subcontractors and licensees, and shall require its Affiliates to advise their Representatives, contractors, subcontractors and licensees, of the obligations of confidentiality and non-use under this Agreement, and shall be responsible for ensuring compliance by its and its Affiliates' Representatives, contractors, subcontractors and licensees with such obligations. In addition, each Party shall require all persons and entities who are not employees of a Party and who are provided access to the Confidential Information, to execute confidentiality or non-disclosure

agreements containing provisions no less stringent than those set forth in this Agreement. Each Party shall promptly notify the other Party in writing upon learning of any unauthorized disclosure or use of the Confidential Information by such persons or entities.

18. NO LICENSE

Nothing in this Agreement is intended to grant any rights to under any patent, copyright, or other intellectual property right of the Disclosing Party, nor will this Agreement grant

the Receiving Party any rights in or to the Confidential Information of the Disclosing Party, except as expressly set forth in this Agreement.

19. RELATIONSHIP BETWEEN PARTIES:

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

20. UNPULISHED PRICE SENSITIVE INFORMATION (UPSI)

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

21. MISCELLANEOUS

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

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

_____ :

RailTel Corporation of India Limited:

By _____

By _____

Name:

Name:

Title:

Title:

Witnesses

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Annexure-6: CHECKLIST**A. Required Documents**

S. No.	Document	Remarks	Submitted (Yes/No)	Pg Ref
1	Power of Attorney/ Authorization			
2	Empanelment letter issued by RailTel and valid BG copy till bid opening date OR Proof of Payment of empanelment fee & mail sent to RailTel CO			
3	Annexure 1: Offer Letter			
4	Annexure 2: Self-Certificate for Tender, Technical & other compliances			
5	Annexure 3: Undertaking for not Being Blacklisted/Debarred			
6	Annexure 4: Notarized Affidavit			
7	Clause 14. A. 1 of Eligibility Criteria			
8	Clause 14. A. 2 of Eligibility Criteria			
9	Clause 14. A. 3 of Eligibility Criteria			
10	Annexure 5: Non-disclosure agreement by Partner/Consortium with RailTel.			
11	Annexure 8: Technical Proposal Document			
12	Annexure 9: CONSORTIUM AGREEMENT /MEMORANDUM OF AGREEMENT	In case of Consortium Bid		
13	Annexure 10: Undertaking of Service Level Compliance			
14	Annexure 11: Statement of No Deviation Declaration			
15	Annexure 12: Commercial Proposal Document			
16	Annexure 13: Undertaking on Exit Management and Transition			
17	Annexure 14: Declaration – Exclusivity of Participation	In case of RailTel has floated EOI for participation in Tender		
18	Annexure 15: Integrity Pact Program & Proforma	For more than 15 Crores Case – 2 Copies Required		
19	Annexure 18: Standing Indemnity Bond			
20	Annexure 19: Land Border Certificate			
21	Annexure 12(A): Price Bid Format			

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B. Other Documents

S. No.	Document	Remarks	Submitted (Yes/No)	Pg Ref
1	OEM Documents 1. MAF as per Annexure 7 2. Compliance of Specification as given in Annexure 20 (on OEM's Letterhead)	If Required		
2	Signed Copy of EOI			
3	Solution Document			
4	Document Outlining Approach & Methodology			

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Annexure-7: MAF/ MOU and other Documents

Dated: DD/MM/YYYY

To,
The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

Reference: EOI Number RAILTEL/ER/MKT/EOI/2024-25/XXX dtd. XX-01-2025

Sir,

We _____, (name and address of the manufacturer) who are established and reputed manufacturers of _____ having factories at _____ (addresses of manufacturing locations) do hereby authorize M/s _____ (name and address of the Bidder) to bid, negotiate and conclude the contract with you against the above-mentioned tender for the above equipment manufactured by us.

Yours faithfully,

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

Seal & Signature of OEM _____

Name and Title of Signatory: _____

Designation : _____ Date: _____

Note: This letter of authority should be on the letterhead of all the hardware manufacturer (OEM) and should be signed by the person (from OEM Side) competent and having the power of attorney to bind the manufacturer.

Partner shall also arrange other OEM Authorisations/Documents as required in CoR Tender.

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Annexure 8 - Technical Proposal Document**(On the Partner's Letterhead)****Tender Ref. No.:****Date:**

To,

The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

Subject: Submission of Technical Proposal

Dear Sir/Madam,

We, the undersigned, express our commitment to provide Systems Implementation solutions to RailTel Corporation of India Limited in response to your Request for Proposal dated [insert date] and our Proposal. Our submission comprises this Technical Bid and the Financial Bid, submitted separately.

We affirm that all information and statements in this Technical Bid are accurate, and we acknowledge that any misrepresentation may result in our disqualification.

If our Proposal is accepted, we commit to initiating the Implementation services related to the assignment no later than the date indicated in the Data sheet.

We agree to adhere to all the terms and conditions outlined in the tender document and confirm that the validity of our bid extends for 60 days, as specified in the tender document.

Furthermore, we declare that we are not insolvent, in receivership, bankrupt, or undergoing winding up. Our affairs are not administered by a court or a judicial officer, our business activities have not been suspended, and we are not subject to legal proceedings for any of the aforementioned reasons.

We acknowledge that RailTel Corporation of India Limited is not obligated to accept any Proposal received.

Yours sincerely,

(Seal & Signature of the Authorized signatory of the Partner)

Name:**Designation:****Place:****Date:**

Annexure-9: CONSORTIUM AGREEMENT / MEMORANDUM OF AGREEMENT

(On Stamp Paper of appropriate value)

This Consortium Agreement is executed at on this _ day of . BETWEEN

M/s. , a Company incorporated under the Companies Act, 1956 and having its Registered Office at acting through its Managing Director, duly authorized by a resolution of the Board of Directors dated (hereinafter referred to as the „LEAD MEMBER“ which expression unless excluded by or repugnant to the subject or context be deemed to mean and include its successors in interest, legal representatives, administrators, nominees and assigns) of the ONE Part;

AND

M/s. , a Company having its Office at and Office at
 , acting through its Joint President/ MD/.. , duly authorized by a resolution of the Board of Directors dated (hereinafter referred to as the (“Participant member”) which expression unless excluded by or repugnant to the subject or context be deemed to mean and include its successors in interest, legal representatives, administrators, nominees and assigns) of the OTHER PART”

AND

M/s. , a Company having its Office at and Office at
 , acting through its Joint President/ MD/.. , duly authorized by a resolution of the Board of Directors dated (hereinafter referred to as the (“Participant member”) which expression unless excluded by or repugnant to the subject or context be deemed to mean and include its successors in interest, legal representatives, administrators, nominees and assigns) of the OTHER PART”

Whereas RailTel Corporation of India Ltd. (hereinafter referred to as „RCIL”) has invite tenders for the “(NAME OF WORK)” in terms of the tender documents issued for the said purpose and the eligibility conditions required that the applicants bidding for the same should meet the conditions stipulated by RCIL for participating in the bid by the Consortium for handling the project for which the tender has been floated by RCIL.

AND WHEREAS in terms of the bid documents the parties jointly satisfy the eligibility criteria laid down for a bidder for participating in the bid process by forming a Consortium between themselves.

AND WHEREAS the parties hereto have discussed and agreed to form a Consortium for participating in the aforesaid bid and have decided to reduce the agreed terms to writing.

NOW THIS CONSORTIUM Agreement hereby WITNESSES:

- b. That in the premises contained herein the Lead Member and the Participant Member having decided to pool their technical know-how, working experiences and financial resources, have formed themselves into a Consortium to participate in the tender process for “(NAME OF WORK)” in terms of the tender invited by RailTel Corporation of India Ltd., (RCIL).
- c. That the members of the Consortium have represented and assured each other that they shall abide by and be bound by the terms and conditions stipulated by RCIL for awarding the tender to the Consortium so that the Consortium may take up the
1. aforesaid “(NAME OF WORK)” in case the Consortium turns out to be the successful bidder in the bid being invited by RCIL for the said purpose.

2. That the members of the Consortium have satisfied themselves that by pooling their technical know-how and technical and financial resources, the Consortium fulfills the prequalification/eligibility criteria stipulated for a bidder, to participate in the bid for the said tender process for “(NAME OF WORK)”
3. That the Consortium have agreed to nominate any one of , and as the common representative who shall be authorized to represent the Consortium for all intents and purposes for dealing with the Government and for submitting the bid as well as doing all other acts and things necessary for submission of bid documents such as Tender Application Form etc., Mandatory Information, Financial Bid. Etc., and such other documents as may be necessary for this purpose.
4. That if any change in the membership of the Consortium be required to be made by the members of the Consortium, the same shall be done with the consent of RCIL subject to the conditions as may be stipulated by them in this regard.
5. That in case to meet the requirements of bid documents or any other stipulations of RCIL, it becomes necessary to execute and record any other documents amongst the members of the Consortium, they undertake to do the needful and to participate in the same for the purpose of the said project.
6. That it is clarified by and between the members of the Consortium that execution to this Consortium Agreement by the members of the Consortium does not constitute any type of partnership for the purposes of provisions of the Indian Partnership Act and that the members of the Consortium shall otherwise be free to carry on their independent business or commercial activities for their own respective benefits under their own respective names and styles. This Consortium Agreement is limited in its operation to the specified project.
7. That the Members of the Consortium undertake to specify their respective roles and responsibilities for the purposes of implementation of this Consortium Agreement and the said project, if awarded to the Consortium, to meet the requirements and stipulations of RCIL.
8. The consortium formed will not be subject to alteration with regard to change in constituting firms and/or reorientation of roles. Any changes, if proposed by Consortium to take advantage of certain developments during evaluation stage will render the bid liable to be REJECTED.
9. All partners of the consortium shall be jointly and severally liable to RailTel for the execution of the entire contract in accordance with its terms.
10. Each Consortium member has minimum 20% contribution in the work and role/scope of each member is enclosed.
11. Power of Attorney by all members of the Consortium in favor of the Lead Member is also enclosed

IN FAITH AND TESTIMONY WHEREOF, THE PARTIES HERETO HAVE SIGNED
THESE PRESENTS ON THE DATE, MONTHS AND YEAR FIRST ABOVE WRITTEN

1. () 2. () 3. ()

Managing Director

Managing Director

Managing Director

For (Name of company)

For (Name of company)

For (Name of company)

WITNESSES:

1.

2.

Enclosure:

Board resolution of each of the Consortium Members authorizing:

- (i) Execution of the Consortium Agreement and Appointing the authorized signatory for such purpose.

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Annexure 10- Undertaking of Service Level Compliance

(On the Partner's Letterhead)

Tender Ref. No.:

Date:

To

The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN,
Sector V, Bidhannagar, Kolkata, West
Bengal 700091

Dear Sir/Madam,

Sub: Undertaking on Service Level Compliance

1. I/We as Implementing Agency do hereby undertake that we shall monitor, maintain, and comply with the service levels stated in the tender to provide quality service to end customer of RailTel referred in this tender.
2. However, if the proposed resources, Infrastructure and ICT components are found to be insufficient in meeting the tender and/or the service level requirements given by RCIL, then we will augment the same without any additional cost to RCIL.

Yours sincerely

(Seal & Signature of the Authorized signatory of the System Integrator)

Name:

Place:

Designation:

Date:

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**Annexure 11 - Statement of No Deviation from Requirement Specifications
(On the Partner's Letterhead)**

Tender Ref. No.:

Date:

To,

The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

Sir,

There are no technical deviations (null deviations) from the requirement specifications of Tender items and schedule of requirements. The entire work shall be performed as per your specifications and documents.

This is to certify that our proposed solution meets all the requirements of the Tender including but not limited to Scope of Work, stated Project Outcomes (including SLAs), Business Requirements and Functional Specifications/ Requirements.

We further certify that our proposed solution meets, is equivalent or better than the minimum technical specifications as given in the tender.

We understand that the Bill of Quantity provided in the tender is indicative, we confirm that we have undertaken our own assessment to finalize the components and quantity.

In case, any item of hardware or software is found non-compliant at any stage during project implementation, it would be replaced with a fully compliant product/solution at no additional cost to end customer. In case of non-adherence of this activity, RCIL reserves the right to cancel the contract, in case the said Contract is awarded to us by RCIL.

We further confirm that our commercial proposal is for the entire scope of work, comprising all required components and our obligations, for meeting the scope of work.

Thanking you, Yours sincerely,

(Seal & Signature of the Authorized signatory of the System Integrator)

Name:

Place:

Designation:

Date:

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Annexure 12 - Commercial Proposal Document

EOI Ref. No.:

Date:

(Format for reporting commercials and mandatory letters that needs to be part of the commercial proposal document. Breakdown of cost mentioned, cost of each component, operating cost, employee cost, cost of operations and management, any other cost which the Partner feels.)

To

The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

Subject: Submission of Commercial proposal

Reference: EOI No:

Dated:

We, the undersigned Partner, having read and examined in detail the EOI documents for
“_____
_____. I / we do hereby propose to provide services as specified in the EOI documents number -----
---Dated <dd/mm/yy>

1. PRICE PROPOSAL AND VALIDITY

All the prices mentioned in our tender are in accordance with the terms as specified in the tender documents. All the prices and other terms and conditions of this tender are valid for a period of 60 days from opening of EOI.

We hereby confirm that our tender prices include all taxes. However, all the taxes are quoted separately under relevant sections.

We have studied the clause relating to Indian Income Tax and hereby declare that if any income tax, surcharge on Income Tax, Professional and any other corporate Tax in altered under the law, we shall pay the same.

2. UNIT RATES

We have indicated in the relevant schedules enclosed the unit rates for the purpose of on account of payment as well as for price adjustment in case of any increase to / decrease from the scope of work under the contract.

3. DEVIATIONS

We declare that all the services shall be performed strictly in accordance with the tender documents except for the variations and deviations, all of which have been detailed out exhaustively in the following statement, irrespective of whatever has been stated to the contrary anywhere else in our proposal. Further, we agree that additional conditions, if any, found in the tender documents, other than those stated in deviation schedule, shall not be given effect to.

4. TENDER PRICING

We further confirm that the prices stated in our proposal are in accordance with your Instruction to Partners included in TENDER documents.

5. QUALIFYING DATA

We confirm having submitted the information as required by you in your Instruction to Partners. In case you require any other further information/documentary proof in this regard before evaluation of our tender, we agree to furnish the same in time to your satisfaction.

6. PROPOSAL PRICE

We declare that our Proposal Price is for the entire scope of the work as specified in the Schedule of Requirements and TENDER documents.

7. PERFORMANCE BANK GUARANTEE BOND

We hereby declare that in case the contract is awarded to us, we shall submit the PBG in the form prescribed in Proforma of Bank Guarantee towards PBG. We hereby declare that our TENDER is made in good faith, without collusion or fraud and the information contained in the TENDER is true and correct to the best of our knowledge and belief. We understand that our TENDER is binding on us and that you are not bound to accept a TENDER you receive. We confirm that no Technical deviations are attached here with this commercial offer.

Yours sincerely,

(Seal & Signature of the Authorized signatory of the System Integrator)

Name:

Designation:

Place:

Date:

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Annexure 12-A – Price Bid Format

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR		Design and supply of the following drawings to office records as per requirement of the Railways. This includes alteration at different stages and finally supply of all the drawings including tracings within 30 days or as defined in the tender document from the date of commissioning of the work, otherwise penalty to be imposed as per tender document. This includes the following drawings for each station: (1) Cable layout plan, (2) Cable corrage plan, (3) Location Hut drawing, (4) Termination chart of end goomties and location hut, (5) Traction bonding plan, (6) Contact Analysis Chart, (7) SWRD & GWRD, (8) Equipment Layout Plan, (9) Power Supply arrangement diagram, (10) Relay Disposition chart, (11) Any other drawing as found relevant as per site condition. Office record if online maintenance is not implemented includes the following: (i) Battery History book, (ii) Track	-	-		

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		Circuiting Register, (iii) Track circuit maintenance Register, (iv) Cable Meggering Register, (v) Signal History Register, (vi) LED Register, (vii) Glued joint/ Block joint Register, (viii) Point machine Maintenance Register, (ix) Joint Inspection Register such as P. Way, Electrical & Signal, (x) Relay Register, (xi) Route cancellation Register, (xii) Relay Room Key Register, (xiii) Emergency Point operation Register, (xiv) Crank Handle Register, (xv) Emergency Route Cancellation Register, (xvi) Axle counter reset register, etc. Note:- (i) All the diagram will be made on Auto CAD. The paper size of wiring diagram will be A-3 or as per IRSEM or as per IRSEM. Soft Copy/AUTOCAD file of all drawings to be submitted alongwith paper drawing. Wiring diagram will be made in 'Black colour'. Alteration to wiring diagram will be done using 'RED' and 'Green' colouring scheme. RED = new equipment/contact to				

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		be installed or commissioned. GREEN = redundant equipment/contact to be recovered.)				
A1 - S&T Execution SOR	01013 601	Up to 5 line yard.	Station	6.00	₹ 34,864	₹ 2,09,185
A1 - S&T Execution SOR	01013 900	Preparation of Station Working Rules (SWR) in English on the basis of station working rule diagram and gate working rule diagram to be supplied by the contractor. Submission of two draft copy to railway for checking and resubmission of draft in three copies for approval of division after making corrections. Editable Soft copy to be supplied in pen drive.	Set	6.00	₹ 12,236	₹ 73,413

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	01014 000	Preparation of Station Working Rules (SWR) in Hindi/Regional Language of that station on the basis of station working rule diagram and gate working rule diagram to be supplied by the contractor. Submission of two draft copy to railway for checking and resubmission of draft in three copies for approval of division after making corrections. Editable Soft copy to be supplied in pen drive.	Set	6.00	₹ 12,236	₹ 73,413
A1 - S&T Execution SOR	01014 100	Supply of 1 copy of SWR in English finally approved by railways along with spiral binding. This has to be done after CRS sanction has been obtained.	Numbers	36.00	₹ 470	₹ 16,913
A1 - S&T Execution SOR	01014 200	Supply of 1 copy of SWR in Hindi/Regional Language of that station finally approved by railways along with spiral binding. This has to be done after CRS sanction has been obtained.	Numbers	36.00	₹ 470	₹ 16,913
A1 - S&T Execution SOR	01014 300	Preparation of Gate Working Rules (GWR) in English on the basis of station working rule diagram and gate working rule diagram to be supplied by the	Set	5.00	₹ 6,577	₹ 32,886

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		contractor. Submission of two draft copy to railways for checking and resubmission of draft in three copies for approval of division after making corrections. Editable Soft copy to be supplied in pen drive.				
A1 - S&T Execution SOR	01014 400	Preparation of Gate working rules (GWR) in Hindi/Regional Language of that LC Gate on the basis of gate working rule diagram to be supplied by the contractor. Submission of two draft copy to railways for checking and resubmission of draft in three copies for approval of division after making corrections. Editable Soft copy to be supplied in pen drive.	Set	5.00	₹ 6,577	₹ 32,886
A1 - S&T Execution SOR	01014 500	Supply of 1 copy of GWR in English finally approved by railways along with spiral binding. This has to be done after CRS sanction has been obtained.	Numbers	72.00	₹ 352	₹ 25,337
A1 - S&T Execution SOR	01014 600	Supply of 1 copy of GWR in Hindi/Regional Language that LC gate finally approved by railways along with spiral binding. This has to be done	Numbers	72.00	₹ 352	₹ 25,337

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		after CRS sanction has been obtained.				
A1 - S&T Execution SOR		Excavation of trench in all kinds of soils including soft rocky area and clearing of roots of trees, rocks, bushes, ballast & reconditioning etc., including bailing out water and disposal of extra soil including back filling with excavated earth and ramming of trenches after cable laying for the following depths and widths as specified in Technical Circular No. 2 of 1988 & 01/2010 issued by CSTE/SER or any other latest guidelines. Note: In case, trenches are other than prescribed depth & width, Proportionate payment shall be released.	-	-		
A1 - S&T Execution SOR	02010 201	Depth 1.2 meter, Width 0.5 meter.	Kilometre	6.00	₹ 86,304	₹ 5,17,822
A1 - S&T Execution SOR	02010 202	Depth 1.0 meter, Width 0.3 meter.	Kilometre	22.50	₹ 71,882	₹ 16,17,347
A1 - S&T Execution SOR	02010 203	Depth 0.8 meter, Width 0.3 meter.	Kilometre	3.00	₹ 63,837	₹ 1,91,511

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Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	02010 300	Excavation of trenches including clearing of roots of trees etc. in hard/rocky soil by chiselling up to a depth of 0.5 meter to 0.8 meter and width 0.3 meter at the bottom. Supply & placing split RCC pipes with collar (for jointing pipes) of 100 mm nominal diameter to Spec. No. IS: 10262-2019 or latest and IS-456-2000 as per SEM Drawing No. 15- D3 (Sheet-2) on sieved soil of 30 mm over cable and concreting(1:2:3) throughout the length upto a layer of 75mm approximately, then back filling the trench by digging and carrying earth from a distance of maximum 30 meters and then ramming of soil after cable laying. This also includes supply of collar and all the materials for concreting by the contractor.	Metre	1,000.00	₹ 530	₹ 5,30,100

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Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	02010 400	Excavation of trench in all kinds of soils including soft rocky area and clearing of roots of trees, rocks etc. to a depth of 1 metre and width 0.3 metre. Track/Pucca road/Platform crossing/Level crossing as per SEM Drawing No.15-D5 or latest including supply, transportation and laying of RCC Pipes (full) with collar (for jointing pipes) Inner diameter/Outer diameter: 100mm/150mm to Specification No. IS:10262-2019 or latest and IS-456-2000. RCC structural drawings should be as per SEM Drawing No. 15-D3 (Sheet-2) and drawing of cable through RCC Pipes with collar (for jointing pipes) including back filling and ramming after cable laying as specified in Technical Circular No. 2 of 1988 & 01/2010 issued by CSTE/SER for S&T Cables or any latest guidelines. This includes repairing and plastering of platform/pucca road after cable laying.	Metre	600.00	₹ 1,090	₹ 6,53,940

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	02010 500	Excavation of trench in all kinds of soils including soft rocky area and clearing of roots of trees, rocks etc. to a depth of 1 metre and width 0.3 mtr. Track/ Pucca road/Platform crossing/ Level crossing as per SEM Drawing No.15-D5 including supply, transportation and laying of DWC pipes (full) with collar(for jointing pipes) Inner diameter/Outer diameter:103mm/120mm to Specification No.14830 (Part-2):2001 as per SEM Drawing No. 15-D4 and drawing of cable through DWC pipes with collar(for jointing pipes) including back filling and ramming after cable laying as specified in Tech. Circular No. 2 of 1988 & 01/2010 issued by CSTE/SER for S&T Cables or any latest guidelines. This includes repairing and plastering of Platform/Pucca road after cable laying.	Metre	3,310.00	₹ 622	₹ 20,58,489
A1 - S&T Execution SOR	02010 600	Excavation of trenches at kacha roads/under the low flooded bridges/culverts or places as advised by the site in-charge of the Railway and	Metre	300.00	₹ 401	₹ 1,20,420

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		placing of full RCC pipe 100 mm dia. inside excavated trenches of suitable depth at kacha road/ culverts and Concreting the collars at the places of joints and at both ends. Note:-RCC pipe 100 mm dia. with collars Spec. No. IS: 10262-2019 or latest and IS-456-2000 as per RCC structural drawing of SEM Drawing No. 15-D3 (Sheet-2) Class NP2 and concreting materials for collars will be supplied by the contractor.				
A1 - S&T Execution SOR	02010 700	Cutting and smoothening of inside surface of sizes 80 mm deep and 170 mm width for single/multiple cable chase in concrete or hard rocks or platform or cemented floor. This work includes laying and covering of cable laid in the chase with standard sizes Second class/Fly Ash brick placed and embedded longitudinally and plastered on the top of the bricks and curing 72 hrs. as per Drawing No. Con/SK/T/1 Note: Sundries materials such as Bricks, sand, cement etc., shall be supplied by the contractor at site	Metre	250.00	₹ 230	₹ 57,600

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		and to be inspected by Railway Site Engineer before placing in the chase. Note: In case, chase cutting & smoothening are other than prescribed depth & width, Proportionate payment shall be released.				
A1 - S&T Execution SOR	02010 800	Chase cutting and smoothening of inside surface of sizes 80 mm deep and 170 mm width for single/multiple cable chase in concrete or hard rocks or platform or cemented floor. Note: Sundries materials such as sand, cement, etc., shall be supplied by the contractor at site and to be inspected by Railway Site Engineer before placing in the chase. Note: In case, chase cutting & smoothening are other than prescribed depth & width, Proportionate payment shall be released.	Metre	300.00	₹ 131	₹ 39,420
A1 - S&T Execution SOR	02011 300	Physical tracing and opening/locating of existing working cables by precision digging for diversion of cables in connection with cable clearance for engineering earth work or for utility shifting without	Metre	600.00	₹ 231	₹ 1,38,780

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		interfering the circuits as per the advice of Railway site engineer.				
A1 - S&T Execution SOR	02011 400	Supply, transportation and fixing of Galvanised Iron Pipe (make: TATA/Jindal or better) with threaded collars (for jointing pipe) of 80 mm nominal bore Specification No. IS: 1239, Pt-1, 2004 thickness 3.2 mm medium grade, on bridges, culverts, drain or at places as per instruction of the site Engineer including supply and transportation of materials required for fixing the pipe as per SEM Drawing No.15-D7 on culverts and others including drawing of cables inside the pipe with masonry work at bridge entry and exit of the culvert and curing for 72 hours and pipes are to be clamped at max. 2 meter apart with drilling of holes on the pipe at 10 cm apart for S&T Cables. Note:- This also includes dismantling of released GI Pipe/Trough and released material should be returned at concerned store.	Metre	486.00	₹ 916	₹ 4,45,273

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	02012 000	Supply, Transportation and laying of Split RCC pipe as per Spec. No. IS: 10262-2019 or latest and IS-456-2000 & SEM Drawing No.15-D3 having plain ends with their jointing loose split collar half round of size 150 mm (inner diameter)/25mm thickness at site over the single/multiple cable laid in the trench.	Metre	600.00	₹ 203	₹ 1,21,500
A1 - S&T Execution SOR	02012 100	Transportation and laying including supply of Split RCC pipe as per Spec. No. IS: 10262-2019 or latest and IS-456-2000 & SEM Drawing No.15-D3 having plain ends with their jointing loose split collar half round of size 200 mm (inner diameter)/25mm thickness at site over the single/multiple cable laid in the trench.	Metre	600.00	₹ 277	₹ 1,66,320
A1 - S&T Execution SOR	02012 800	Transportation of cables in rolls with or without wooden drums (S&T Cables) from concerned store to the site of works. Note: The unit Drum-KM indicates Drum X length of cable in that drum. It doesn't have any significance over the distance it has to be	Drum-Km	785.00	₹ 2,095	₹ 16,44,732

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		carried for execution of the work.				
A1 - S&T Execution SOR	02013 400	Laying of S&T Cables (Signal/Quad/Power) in the excavated trench to Drawing No. CON/SK/T/5 or latest. Supply and transportation of 'U' clamps, anchoring of cable at every 10 metres interval with 'U' clamp on trench to Drawing No. CSTE/CON /CABLES/81 or latest. Supply, transportation, and placing of cable demarcating led belt to Drawing No. CON/SK/T/6 or latest punched at an interval of 30 metres and wrapped round each cable throughout the cable route and also at every track/Road/ platform crossing as above specified in Technical Circular No. 2/1988 & 01/2010 issued by CSTE/SER or as per latest guidelines and guarding the cables. Collecting empty drums with left over cable and to be returned to the stores of stock holder. Note: Cables will be meggered before & after its laying by	Kilometre	785.00	₹ 18,215	₹ 1,42,98,854

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		contractor under supervision of Railway representative & Contractor will submit their reports.				
A1 - S&T Execution SOR	02013 500	Transportation including loading/unloading of Optical Fibre Cable along with HDPE pipe from the stores of SSE/Store or from any store of SE Railway to the site with care laying of HDPE pipe & blowing of OFC in it as per procedure and returning empty cable drums with or without left over cable to the stores of SSE/Store. It also includes supply and placing of warning & Detection tape orange colour of 100 mm wide printed in black as "CAUTION OFC CABLE" and laid throughout the trench as directed by the Representative of Railway. Note: OTDR of cables will be done before & after its laying by contractor under supervision of Railway representative &	Kilometre	33.00	₹ 31,261	₹ 10,31,600

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		contractor will submit their reports.				
A1 - S&T Execution SOR	02013 800	Hiring of JCB/Hydra/Poclain machine in good working condition for earth cutting, levelling, dressing etc., of ground/dismantling structures including disposal of debris through dumpers/Shifting the location box or signal post with foundation etc. with contractor's labour including machine operator, fuel etc. Payment shall be made for actual working hours at site & proportionate payment to be made in case less than hours. Note: Vehicle shall not be more than 3 years old.	Hour	36.00	₹ 896	₹ 32,238
A1 - S&T Execution SOR	02013 900	Removal of normally 13m Rail in the way of cable route trench, signal/location box foundation, track crossing etc. In case of less or more than 13 m, proportionate payment to be done. These obstructions will be removed by	Numbers	120.00	₹ 105	₹ 12,636

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		the contractor for ensuring proper execution of related works.				
A1 - S&T Execution SOR	02014 000	Removal of PSC/Wooden/Steel sleeper in the way of cable route trench, signal/location box foundation, track crossing etc. These obstructions will be removed by the contractor for ensuring proper execution of related works. Note: In case of broken sleepers, proportionate payment will be made.	Numbers	120.00	₹ 106	₹ 12,744
A1 - S&T Execution SOR	02014 900	Supplying and placing of one layer of standard size of 'B' grade quality bricks spreading on cables laid as per instructions of the site Engineer.	Numbers	28,000.00	₹ 7	₹ 2,01,600

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RAILTEL

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	03010 200	Execution of Full Apparatus Case with earth excavation for pit, concrete foundation, surrounding earth work, erection and installation as per Drawing No. Con/SK/T/8 or latest and wiring to be done as per SEM Drawing No.19-D8 or as per direction of site engineer. Supply and fixing of Hylam sheet strip of appropriate size of 3 mm or 6 mm as required with hole for fixing of terminals, fuse blocks, relay and other accessories for signal/track circuit, termination of cable with number embossed ferrules, bunching of cables with PVC tape, proper soldering of cable armour with earth catenary wire, earthing of cable armour as required. Writing & terminal description including Painting of the apparatus case inside and outside after clearing the surface thoroughly and first coating of anticorrosive paint and subsequent two coats of Aluminium paint outside and red oxide inside and lettering etc. This also includes transportation of	Numbers	290.00	₹ 8,232	₹ 23,87,367

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		25 mm/12mm Hylam sheet for shelf or as required and also includes minor modification in L/Boxes as per site requirement. The contractor shall supply 4 no. of foundation nuts & bolts of size 22 mm dia. x 450 mm long with 2 flat spring washers, with each nut & bolts, sand for filling up cable pit inside the apparatus case including plaster and bolts, nuts, screws, MS Clamps for fixing equipment/cable. Note: - Part payment shall be released after completion of- (i) Foundation- 40%, (ii) Erection - 10%, (iii) Wiring, earthing, testing - 20%, (iv) Painting, writings - 10%, (v) Plastering, sand filling & etc. - 10%, (vi) Commissioning - 10%.				
A1 - S&T Execution SOR	03010700	Alteration/modification in existing location boxes, includes fixing/Removal or both the equipment, cable insertion, termination, wiring, testing & commissioning, two coat painting, lettering to suit the circuits as per approved wiring diagram. This includes filling with	Numbers	46.00	₹ 2,461	₹ 1,13,188

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		sand and plastering the same. Note: All the sundry materials such as paint, sand, cement, screws etc to be supplied by the contractor.				
A1 - S&T Execution SOR	04010 300	Transportation and installation of 2-Aspect Signal Post for MACLS as per drawing no. Con/SK/T/12 or SEM- Drawing No. 19-D3 or RDSO/M-00011RU dated 12.01.18 or latest complete with signal units, base, ladder and other fittings, excavation of earth pit, casting concrete foundation, erection of posts, thereof as specified in the note given in drawing, fixing of complete fittings of the signals with necessary earth screen protection arrangement as required including termination of cables, painting and lettering as required. Foundation nuts & bolts of appropriate size as per above drawings or latest as per RDSO Drawing No. SA-116 A/M confirming to IS: 226 and IRS:S-10/78 Rev.8. or latest to be supplied.	Numbers	30.00	₹ 9,709	₹ 2,91,276

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	04010 800	Transportation and installation of 3/4 - Aspect Signal Post for MACLS as per Con/SK/T/12 or SEM-Drawing No. 19-D3 or RDSO/M-00011RU dated 12.01.18 or latest complete with signal units, base, ladder and other fittings, excavation of earth pit, casting concrete foundation, erection of posts, thereof as specified in the note given in drawing, fixing of complete fittings of the signals with necessary screen protection arrangement including termination of cables, painting and lettering as required. Foundation nuts & bolts of size appropriate size as per above drawings or latest as per RDSO Drawing No. SA-116 A/M confirming to IS: 226 and IRS:S-10/78 Rev.8. or latest to be supplied.	Numbers	48.00	₹ 10,368	₹ 4,97,664
A1 - S&T Execution SOR		Transportation and fixing of Junction type Route Indicator with Route arm on the erected signal post including termination of cables, painting lettering as required.	-	-		

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	04012 804	Route Indicator with Route arm Four way.	Numbers	57.00	₹ 1,074	₹ 61,201
A1 - S&T Execution SOR	04013 400	Transportation, installation of Position light Shunt Signal as per Con/SK/T/13 or SEM Drawing No. 19-D4 or latest complete with units, base and other fittings, excavation of earth pit, casting of concrete foundation thereof as per note given in drawing, fixing in complete fittings of signal including termination of cables, painting and lettering as required. Foundation nuts & bolts of size 20 mm x 305 mm as per RDSO Drawing No. SA-110 A/M confirming to IS: 226 and IRS:S-10/78 Rev.8.	Numbers	15.00	₹ 4,591	₹ 68,864
A1 - S&T Execution SOR	04013 900	Transportation and fixing of Calling ON Signals/ Guard Repeater unit/Dependent Shunt Signals / Illuminated 'A' /Illuminated 'AG' marker for MACLS on the erected signal post complete with marker including termination of cables, wiring, painting and lettering as required.	Numbers	62.00	₹ 2,130	₹ 1,32,079
A1 - S&T Execution SOR	04014 300	Fixing of 'P'/'G'/'C'/'A'/'AG'/'IB' /Marker/Arrow marker/ Signal Number plates with	Numbers	195.00	₹ 176	₹ 34,398

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		complete fittings as per site requirement.				
A1 - S&T Execution SOR	04014 700	Transportation, Installation, Wiring, Testing & Commissioning of LED Signals Lamps for Main signals Lighting Unit (i.e. Red/Yellow/Green) as per instruction of railway Engineer at the site. Note: LED particulars such as aspect, make, type, Sr. No. etc. to be recorded in proper in proper register.	Numbers	255.00	₹ 989	₹ 2,52,221
A1 - S&T Execution SOR	04015 200	Transportation, Installation, Wiring, Testing & Commissioning of LED Signals Lamps for Subsidiary signals lighting unit (i.e. Route aspect/Shunt Signal/Calling on aspect/A marker/AG marker etc.) as per instruction of railway Engineer at the site. Note: LED particulars such as aspect, make, type, Sr. No. etc. to be recorded in proper register.	Numbers	540.00	₹ 833	₹ 4,50,036
A1 - S&T Execution SOR	04015 300	Supply, transportation, installation and painting of SLB/BSLB/Legend/S top Board etc. as per SEM Drawing No. 19- D4 or latest. This includes i) Excavation of earth	Numbers	24.00	₹ 7,682	₹ 1,84,356

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		pit of depth 900 mm, width 600 mm, ii) casting in the ratio of cement concrete mixture shall be 1:3:6, iii) foundation, (iv) Erection etc. Note: The sighting board supplied by the contractor to be as per SEM Drawing No. 12-D1 or specified by Railway.				
A1 - S&T Execution SOR	04015 400	Transportation, installation and painting of SLB/BSLB/Legend Board/Stop board etc. as per SEM Drawing No. 19-D4. This includes i) Excavation of pit of depth 900 mm, width 600 mm, ii) excavation & shifting of old boards to new position. Note: The contractor shall supply all the materials required for the work except Boards which are to be supplied by the railway and lighting arrangement to the SLB/BSLB.	Numbers	12.00	₹ 4,591	₹ 55,091
A1 - S&T Execution SOR	04015 500	Alteration/Modification, testing, commissioning, two coat painting, wiring, lettering of the existing Multi aspect signals/Shunt/Calling-On Signals to suit the circuit as per approved wiring diagram.	Numbers	24.00	₹ 2,423	₹ 58,147

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	05010200	Transportation, Grouting/Erection, wiring as per approved wiring diagram on 19" Relay rack/Composite/Q-Series Relay Rack with subsequent alteration. This includes supply of 3/4 X 9" anchor nuts & bolts, washer, D-bracket & 60mm insulator, supply & fixing of M.S. ladder as per requirement for rack to rack connection, on CTR and control panel, fixing of plug boards, relays, terminal blocks, terminals, filter units, tag blocks, fuses, bus bars, shelves, strips, 6mm Hylam sheet of required length for writing terminal description etc., fixing and termination of cables on the relay racks with number embossed ferrules, bunching of cables with PVC tape, earthing of cable armour including painting and lettering. Wiring and testing of complete relay rack accommodating all relays as per wiring diagram. Cement, stone chips & sand as required for mounting to be provided by contractor. All	Numbers	46.00	₹ 42,874	₹ 19,72,213

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		materials such as eyelets, Hylam sheets, ferrules, trough etc., if required for modification of rack shall be supplied by the contractor and to be carried out at site with no extra cost to the Railway.				
A1 - S&T Execution SOR	05010 400	Transportation, grouting/erection, fixing and installation of Cable Termination rack (CTR), fixing of MS Wiring ladder from relay rack to CTR, and on to top of the CTR- including supply of 3/6mm Hylam sheet of required size for fixing terminal blocks & writing terminal description, termination of cables, bunching of cables by PVC tape and earthing of cable armours, painting, lettering as required. The contractor shall draft terminal analysis chart on the white bond paper of appropriate size & supply wiring materials like eyelets of sizes, trough, condensers and resistances as per required capacity, HV protection cover with fixing top caps and danger symbol,	Numbers	29.00	₹ 46,750	₹ 13,55,738

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		soldering material of approved quality etc. shall be supplied by the contractor. Cement, stone chips and sand as required for mounting CTR, Sand for filling of cable pit and other required masonry work, Sundry materials such as MS plate/angles, MS wiring ladders as per approved Drawing, , Anchor bolt 5/8" X 9" with nut and washers -4 No., Nickel plated screws 2BA X1" with nuts and washers for fixing Hylam sheet, numbers embossed ferrules 2.5 sq. mm, PVC bunching tapes and buttons, paint synthetic enamel of smoke grey colour for painting, MS clamps with bolts and nuts of sizes, D-bracket and 60mm insulator, for fixing cables, screws of sizes as required shall be supplied by the contractor. Cables should be routed properly through ladder.				

RAILTEL

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	05010500	Alterations/modifications works on existing relay rack (Q-series/ Composite Relay Racks)/Cable Termination Racks (CTR) including works of installation, wiring, termination, testing and commissioning. The work includes fixing of aluminium/steel/M. S ladder along with supply as per requirement to accommodate additional plug board, relays, terminals/blocks, terminals, tag blocks, fuses, transformers, bus bars, TW shelves/strips etc. in the existing relay racks/CTR's, 6 mm Hylam sheets of required length for writing terminal description etc. fixing and termination of cables on the relay racks, CTR's with number embossed ferrules, bunching of cables with PVC tapes, earthing of cable armours, covers including painting and lettering, making anti tilting arrangement. Note:- a) Relay rack (Q-series/ Composite Relay Racks) : Payments for alterations in	Numbers	22.00	₹ 19,103	₹ 4,20,255

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		existing relays upto 20 nos. relays & above 20 nos. shall be made 50% & 100% respectively. b) Cable Termination Racks (CTR):- Payments for alterations in existing CTR upto 120 cores & above 120 nos. cores shall be made 50% & 100% respectively.				
A1 - S&T Execution SOR	06010 400	Installation, Wiring, Testing, Validation and commissioning of Remote terminal unit with 128 Digital & 16 Analog inputs with modem as per Specification No. IRS:S-99/2006 (Amdt-3) or latest.	Set	6.00	₹ 16,717	₹ 1,00,300
A1 - S&T Execution SOR	06010 600	Installation, Wiring, Testing, Validation & and commissioning of Data logger with 512 Digital and 32 Analog input with modem as per Specification No. IRS:S-99/2006 (Amdt-3) or latest.	Set	18.00	₹ 35,640	₹ 6,41,520
A1 - S&T Execution SOR	06012 100	Testing & commissioning of LED based Safety Point Alarm unit with indications, Buzzers, acknowledgment Button upto 6 lines station with interface facility to existing Data Logger and Modification of data logger embedded software when a	Set	6.00	₹ 6,712	₹ 40,273

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		station master fails to set the point against the occupied line within stipulated time after arrival of the train for the specified station.				
A1 - S&T Execution SOR	09013 200	Transportation, installation and wiring of Rotary key transmitters/KLCR on Hylam sheet board including wiring & fixing of push button bell switch on Hylam sheet of 12mm including termination, painting & lettering. The sundry materials such as Hylam sheet, push bell switch etc. to be supplied by contractor.	Numbers	60.00	₹ 1,398	₹ 83,862
A1 - S&T Execution SOR	10010 800	Transportation, grouting and laddering of Integrated Power Supply (IPS) System including laying & termination of power & signalling cables through ladder on Hylam sheet, fixed on MS angle, by contractor on wall in panel/IPS room of adequate size, painting & lettering. Note: Transportation of batteries, electrolyte, bolts & nuts, screws, trough etc. and other sundry materials required for the above work shall be supplied by	Set	18.00	₹ 39,493	₹ 7,10,872

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		the contractor as required. The IPS to be commissioned by the OEM.				
A1 - S&T Execution SOR		Transportation, installation and charging of 2V lead acid type Secondary Cell and preparation of electrolyte for each cell. Charging to be done as per OEM's instruction with uninterrupted power supply in presence of Railway representative. After charging, it should be kept at the dedicated location as per use. Note- If power is not available at site of work, charging may be done at nearby location as per convenience of the railway. This includes transportation of uncharged cells at the site of charging, supply of acid, distilled water at the site of charging and transportation of charged cells back to the site of work.	-	-		
A1 - S&T Execution SOR	10013 601	2 Volt 80AH	Numbers	747.00	₹ 365	₹ 2,72,282

RAILTEL

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	11011 000	Installation, wiring, testing and commissioning of track circuit on Straight Portion of Track (without involving points and crossings) as per Drawing No. SK/DRG/OL/27 or latest and track bonding plan. The work includes drilling of 9/32" hole on Rails, provision of bonding, fixing and painting of Track Lead Junction Boxes, termination of tail cables, termination of Track lead wires, double Jumper wires, Installation & wiring of track feed set (Track Charger, Adjustable Resistance, choke coil, fuses, battery, relays etc.), testing of Glued/Block Joints and also lettering/numbering of track lead junction boxes, block joints and track circuits. This also includes transportation of all materials required for the above installation. Note: Track feed set, bonding wires, TLJB, channel pin, tail cable to be supplied by Railway.	Set	134.00	₹ 7,139	₹ 9,56,599

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	11011 100	Installation, testing and commissioning of track circuit on Point & Crossings as per Drawing No. SK/DRG/OL/27 or latest and track bonding plan. The work includes drilling of 9/32" hole on Rails, provision of bonding, fixing and painting of Track Lead Junction Boxes, termination of tail cables, termination of Track lead wires, double Jumper wires, Installation & wiring of track feed set (Track Charger, Adjustable Resistance, choke coil, fuses, battery, relays etc.), testing of Glued/Block Joints and also lettering/numbering of track lead junction boxes, block joints and track circuits. This also includes transportation of all materials required for the above installation. Note: Track feed set, bonding wires, TLJB, channel pin, tail cable to be supplied by Railway.	Set	115.00	₹ 7,297	₹ 8,39,178

RAILTEL

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	12010 300	Transportation and installation of Electric point machine on MS plate fixed on concrete sleepers complete with fixing of anti-theft cover, crank handle key interlocking arrangements, Junction boxes, ground connections including smithy works, insulation of MS plate on which the point machines to be fixed from the gauge tie plate involving riveting/welding of angle cleats, termination of cables, preliminary adjustment of operation of points by crank handle, wiring, painting and lettering as required. Drilling of holes for fixing of switch extended bracket and leading stretcher bar, lubrication etc. Note: All the required nut-bolt, washer, MS-plate for anti-theft, eyelets, etc. for fixing of point machine to be supplied by contractor.	Numbers	122.00	₹ 12,171	₹ 14,84,825

RAILTEL

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	13010 300	Transportation, installation, testing and commissioning of Electric lifting barrier (ELB) which includes excavation of pit, casting of foundations, fixing of pedestals, Boom rest etc., installation and wiring of control panel, booms for level crossing gate complete in all respect including provision of boom locking arrangements with fixing of boom light box, stop board boom rest and equipment of operation of gate from control panel, painting, lettering with following accessories:- (i) 2 (two) nos. lifting barriers with all accessories. (ii)1 (one) Control panel (iii) Positive boom locking arrangements for above. (iv) Emergency crank handle attachment (v) Timer unit to adjust the time for operating the barrier (vi) Fixing of Hooters/Flashers on either side of gate barrier.	Set	6.00	₹ 48,461	₹ 2,90,768
A1 - S&T Execution SOR	13010 500	Transportation, installation, testing and commissioning of Emergency Sliding Boom at LC gates which includes casting of	Set	6.00	₹ 44,474	₹ 2,66,846

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		total 10 nos. concrete foundation including surrounding earthwork, fixing of lock post, clamps, welding of channel, cutting of rail post if required as per site condition. Note: All materials to be supplied by the contractor except Sliding Boom gates & key lock 'E' type.				
A1 - S&T Execution SOR	13012 500	Installation, wiring, testing and commissioning of the Control cum Indication panel type at Mid-section interlocked LC Gate/IBS/Siding motor operated point operation panel /Non- Interlocking panel of Single/Double line section as per approved interlocking plan, FPD, circuit diagram etc	Set	6.00	₹ 5,456	₹ 32,735
A1 - S&T Execution SOR	14010 500	Excavation of earth pit, placing & fixing of Earth electrode with construction of cement enclosure to SEM Drawing No. 19-D6 and drawl of 6 SWG GI/Copper cable from earth electrode to goomtires/relay room/cabin/station, etc. and drawl of MS flat 35mm x 6mm for signal post/Location box shall be used as the case may be, including fixing at	Numbers	350.00	₹ 1,612	₹ 5,64,165

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		both ends of the wire/MS flat. This includes transportation of materials. Note: Materials such as charcoals, salt, sal ammoniac, 6 SWG GI wire, copper lugs with Steel bolts & nuts etc. shall be supplied by the contractor. MS flat 35mm x 6mm/Copper cable shall be supplied by Railway.				
A1 - S&T Execution SOR	14010 800	Installation of Single Maintenance Free Earth pit as per RDSO Drawing No. SDO / RDSO/ E&B/001 which includes the following, a) Digging/Auguring/Boring of single earth pit of 100mm to 125mm dia. to the depth of approx. 3 meter. b) Insertion of 3.0 meter electrode and penetrating it minimum 150 mm by pushing gently with sledge hammer where the natural soil is assumed. (c) Filling of earth pit with Earth Enhancement Compound (EEC) in slurry form and backfilling. (d) Carrying out exothermic weld connection on single earth electrode to a copper tape of 200 x 25 x 6 mm. (e) Carrying out	Set	120.00	₹ 5,488	₹ 6,58,584

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		exothermic weld connection on the copper tape of 200 x 25 x 6 mm on Earth Electrode for connecting two 35 Sq. mm cables for redundancy. (f) The exothermic welding material for bonding the earth system shall be procured from RDSO approved firms, which includes graphite modules, clamps, weld metal powders etc. (g) The dimension of the chamber will be of 300 x 300 x 300 mm (inside dimension) of RCC with 50mm thick and fine finish, Inspection chamber should be as per IEC 62561-5 or latest. The top RCC cover size shall be 400 mm X 400 mm X 50mm. The date of testing and earth resistance value shall be written on the cover with black base with yellow paint or as per instruction of site engineer.				
A1 - S&T Execution SOR	14010 900	Supply of basic material to construct Maintenance Free Earth for Ring Earth consisting as per Specification No. RDSO/SPN/197/2016 Ver 1.0 or latest, bonding connections drawing no. SDO/RDSO/E&B/00	Set	115.00	₹ 11,351	₹ 13,05,342

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		2 or latest. (a) Copper bonded steel electrodes of 3.0 m long, 17.0 mm dia. minimum with copper bonding thickness of min 250 micron and UL listed and marked -1 No. (b) Earth Enhancement compound supplied in sealed bags of min 30-35 Kg.- 1 Nos. (c) Copper Strip of 200mm x 25mm x 6mm to exothermically welded to Earth electrode- 1 No. (d) Copper Strip of 300mm x 25mm x 6mm (MEEB) - 1 No. (e) Copper Strip of 150mm x 25mm x 6mm (SEEB)- 1 No.				
A1 - S&T Execution SOR	14011 100	Digging a trench to a minimum depth of 0.5 meter and laying 50 mm X 6 mm bare Galvanized steel tape connecting all the earth pits. Carrying out exothermic weld connections on all the earth electrodes. It shall be ensured that the distance between any two earth electrodes shall be minimum 3 meter (length of the earth electrode) and maximum up to 6 meter (twice the length of the earth electrode) to avoid mutual resistance	Metre	350.00	₹ 81	₹ 28,350

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		effects. Earth enhancement compound of 10 Kg along each meter also to be spread along the Galvanized steel tape.				
A1 - S&T Execution SOR	14011 300	Routing and termination of 25 mm X 2 mm copper tape/8 mm solid copper round conductor which is to be fixed inside the equipment room with 60 mm, 6KVA insulation studs including supply of insulation studs. The separation of the two successive insulation studs should be 600mm apart.	Metre	350.00	₹ 81	₹ 28,350
A1 - S&T Execution SOR	14011 400	Routing and connecting of all the equipment in the equipment/relay room to SEEB with 10 sq. mm copper cable using copper lugs with stainless steel nut and bolts and fixtures. The work includes laying and routing the copper cable in PVC / conduits and fixing them on wall. The PVC/conduit pipe to be supplied by Railway.	Metre	1,750.00	₹ 52	₹ 91,350
A1 - S&T Execution SOR	14011 500	Routing and connecting of all the SPDs in the equipment room/SEEB to MEEB with 16 sq. mm copper cable using copper lugs with stainless steel	Metre	340.00	₹ 52	₹ 17,748

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		nut and bolts. The work includes laying and routing the copper cable in PVC / conduits and fixing them on wall. The PVC/conduit pipe to be supplied by Railway.				
A1 - S&T Execution SOR	14011 600	Digging a trench to a depth of at least 0.5 meter and run the two 35 sq. mm earth conductor in protective PVC conduit pipe, procured against supply item, from Earth pit to MEEB. Routing and exothermic termination of two 35 sq. mm cable on earth conductors as well as on 300 mm X 25 mm X 6mm MEEB, which is to be fixed inside the equipment room with two 60mm insulation studs. The 60mm insulation studs have also to be supplied.	Metre	580.00	₹ 81	₹ 46,980
A1 - S&T Execution SOR	14012 000	Fixing & installation of copper tape 25 X 6 mm on insulated standoff including supply of 6KVA insulation studs. Note- In case of installation of MEBB & SEBB, payment will be made proportionally.	Metre	580.00	₹ 196	₹ 1,13,796
A1 - S&T Execution SOR	14012 500	Installation of Class B & C Surge protection Device (SPD) -Type I & II. All fitting material to be	Set	105.00	₹ 399	₹ 41,864

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		provided by the contractor.				
A1 - S&T Execution SOR	14012 900	Provision of Cement concrete enclosure for Earth electrode as per approved drawing RDSO Drawing No. SDO/RDSO/E&B/00 1 or latest or as per SEM drawing no Drg. No. 19-D6. All the sundry materials to be supplied by the contractor.	Numbers	100.00	₹ 550	₹ 54,990
A1 - S&T Execution SOR	14013 300	Fabrication of stand/rack, installation, testing & commissioning of Earth Leakage Detector (ELD)- 8 channels as per Specification No. RDSO/SPN/ 256/2002 or latest.	Set	18.00	₹ 5,352	₹ 96,341
A1 - S&T Execution SOR		Miscellaneous arrangements for NI period comprising of a) Temporary goomty/Tent of dimension at least 12'x12' at both side of the station yard and at central panel building, furnished with one table, six chairs, emergency light and mosquito repellent. b) Sufficient temporary lighting arrangement throughout the yard from Sunset to sunrise one day prior, during and post NI work. This includes provision of minimum two DG set of minimum 7.5	-	-		

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		KVA capacity and halogen/LED flood lights. The DG sets, consumables materials such as Diesel, Operator etc. has to be arranged by the contractor at his own cost. c) Provision of PA System at both the end of the yard, including at central location if required. d) Resting arrangement for atleast 16 staff at night. e) Vehicle for transportation for to and fro movement of S&T staff during NI period. f) Manning of adjacent station to be done by contractor. g) Provision of printing/Xerox copies of drawings, wiring diagram, CTR/Location box terminal chart, point wiring, MSDAC/track circuit wiring, NI program, Signal wiring, track bonding plan, etc. in a plastic folder. No. of copies depends upon the number of team formed for NI and as per instruction of officer incharge of NI. h) This also includes Free home & Free Starter wiring for NI as per the instruction of site engineer and any other works as assigned from time				

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		to time by Railway engineer.				
A1 - S&T Execution SOR	19010 301	Up to 200 Routes	Station	6.00	₹ 1,04,971	₹ 6,29,824
A1 - S&T Execution SOR		Adjustment, testing and commissioning of complete Interlocking at proposed station as per approved circuit diagram with the satisfaction of Railway representative including all signal equipment erected in location, goomties, relay room and other related work not covered under schedule but required for the commissioning and post commissioning of works of stations. i) Filling the data in the maintenance register which contractor is to be supplied. ii) Shifting of TLBI/ DLBI	-	-		

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		/BPAC etc. instrument and fixing and wiring. iii) Painting & Lettering of leftover S&T gear and Lettering on Buildings as required for each station as per requirement. iv) Adjustment of Track circuit/Axle counter. v) Changing of signal number during NI. vii) Placement of cross mark on unused signals etc.				
A1 - S&T Execution SOR	19010 401	Up to 200 Route	Station	6.00	₹ 54,933	₹ 3,29,600
A1 - S&T Execution SOR		Dismantling of old S&T equipment such as lever frame, mechanical rod run, FPL, old relay racks, old electrical equipment, Motor points & other structure like signal posts, traffic LC gate gears and others as per site requirement after commissioning of the installation. All released materials are to be transported from concerned site to concerned stores/Kharagpur Depot. Note: Before start of the dismantling, a detailed list of the materials which are to be dismantled to be prepared & handed over to the site engineer.	-	-		

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	19010 501	For station yard up to 5 line	Station	6.00	₹ 57,091	₹ 3,42,544
A1 - S&T Execution SOR	19010 600	Preparation of yard diagrams/Auto section diagram/speed restriction board etc., printing in star flex/vinyl with glossy lamination and installation at site as per requirement. Note: (1) The contractor may submit a paper print of yard diagram/Auto section diagram/speed restriction board etc. for checking to Railway. The same paper print diagram with corrections will be returned to the Contractor. Then after incorporating all corrections the contractor submits another paper print to Rlys and will take permissions of Railway for final print. (2) The contractor should submit the final soft copies of yard diagrams in CD/Pen drive to Railway (3) This includes supply of board of suitable sizes with fixing arrangements on wall. (4) The printing should be clearly visible from 3-4 feet.	Square Foot	60.00	₹ 698	₹ 41,904

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A1 - S&T Execution SOR	19010 700	Cement Concrete of proportion 1:2:4 (Cement: Sand: Stone chips of 20mm nominal size) for miscellaneous works. It includes excavation, ramming of CC by using vibrator, curing and plastering with cement and sand mixture (aggregate will not exceed beyond 3.8 c m) . Note: All materials required for foundation are to be supplied by the contractor.	cum	60.00	₹ 3,731	₹ 2,23,830
A1 - S&T Execution SOR	19010 800	Cement Concrete of proportion 1:3:6 (Cement: Sand: Stone chips of 25mm nominal size) for miscellaneous works. It includes excavation, ramming of CC by using vibrator, curing and plastering with cement and sand mixture (aggregate will not exceed beyond 3.8 c m) . Note: All materials required for foundation are to be supplied by the contractor.	cum	60.00	₹ 3,282	₹ 1,96,938
A1 - S&T Execution SOR	19010 900	Providing brick masonry in ratio 1:6 cement, sand mortar including plastering with 1:4 cement & sand mixture both side, 20mm thick each with contractors own class-II bricks including excavation, curing,	cum	60.00	₹ 1,843	₹ 1,10,592

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		grouting, bolting etc. wherever required. Bricks, sand & cement to be supplied by the contractor.				
A1 - S&T Execution SOR	19011 900	Fixing, testing & commissioning of MCB 1X63A, 230/416 V, DP, complete with HRC type back up fuses, housed in a weather proof MS box suitable for AT mast.	Set	30.00	₹ 441	₹ 13,230
A2 - Microtunnelling Supply and Execution	02010 900	Horizontal Drilling by using manual pushing method (also called moling) at minimum depth of 1.5 meter below the formation level of earth as per decision of Engineer in charge. Boring diameter should be atleast 110mm. The ground level shall be considered ignoring the bank height of the bank of the road. Note: DWC/HDPE/GI Pipe Supply is 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 laying of the	Metre	1,200.00	₹ 921	₹ 11,04,840

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		cables into DWC/HDPE/GI pipe.				
A2 - Microtunnelling Supply and Execution		HDD: In case of short stretches (less than 100 m in single stretch). Micro Tunnelling through Horizontal directional drilling (HDD) machine, preparation of sites, boring and laying of HDPE pipes of size (Outer/Inner diameter= 50mm/42mm) for crossing of S&T cable through HDPE pipe at bridges/culverts/track crossing/pucca road crossing. Boring trench shall be minimum 3 (three) meter below the surface/river bed and minimum 1 m at track/road/pucca road crossing area etc. This includes supply of permanently lubricated HDPE telecom ducts of equal length as per Specification No. RDSO/SPN/TC/45/2013 REVISION 2.0 with latest amendments. For each HDPE	-	-		

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		duct the following items are to be supplied as per requirement (a) End plug, (b) Cable sealing plugs, (c) Plastic coupler slip fit/push fit type & (d) End plugs to be provided along with drum. In case the site doesn't allow to perform as per schedule, written approval must be obtained from at least site incharge officer. Note: The boring profile should be recorded and submitted for verification of depth and length of boring.				
A2 - Microtunnelling Supply and Execution	02011 001	1 HDPE pipe	Metre	900.00	₹ 1,238	₹ 11,14,560
A2 - Microtunnelling Supply and Execution	02011 003	3 HDPE pipe	Metre	2,450.00	₹ 1,592	₹ 39,00,645
A2 - Microtunnelling Supply and Execution	02011 004	4 HDPE pipe	Metre	15,000.00	₹ 1,768	₹ 2,65,14,000
A2 - Microtunnelling Supply and Execution	02011 200	Mechanised Drilling/Micro Tunnelling under important/ busy metal/concrete road/Railway track and laying of GI pipe including supply (make: TATA/Jindal or better) of min. 75mm inner diameter Grade Medium with Spec.	Metre	2,700.00	₹ 1,994	₹ 53,82,450

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		No. IS- 1239, Pt-1, 2004 including supply, Boring and pulling cable upto 110mm dia. at a depth of min. 1 meter as per site condition. This also includes reinstatement of the surface to the original state.				
A2 - Microtunnelling Supply and Execution	02011800	Supply, transportation and fixing of Galvanised MS trough of size: 100mm X 100mm X 2.5 mm, trough to be fabricated out of Galvanised steel sheet to IS:277-2003 and fixing on girder bridges including supply and transportation of channel, angle iron, brackets with nuts and bolts of proper size for fixing of trough including laying of cable and filling with bitumen compound of Specification No. IRS-TC- 25/76 or latest after the cable is laid. Clamp size and channel is as mentioned in SEM Drawing No.15-D6 and size may be increased if required. Note: This also includes dismantling of released GI Pipe/Trough and released material should be returned at concerned store.	Metre	300.00	₹ 986	₹ 2,95,920

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A2 - Microtunnelling Supply and Execution	02011 900	Supply, transportation and fixing of Galvanised MS trough of size: 150mm X 150mm X 2.5mm, trough to be fabricated out of Galvanised steel sheet to IS:277-2003 and fixing on girder bridges including supply and transportation of channel, angle iron, brackets with nuts and bolts of proper size for fixing of trough including laying of cable inside the trough and filling with bitumen compound of Specification No. IRS-TC-25/76 or latest after the cable is laid. Clamp size and channel is as mentioned in SEM Drawing No.15- D6. and size may be increased if required. Note: This also includes dismantling of released GI Pipe/Trough and released material should be returned at concerned store.	Metre	300.00	₹ 1,565	₹ 4,69,530

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Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A2 - Microtunnelling Supply and Execution	02012 900	Supply & laying of polyolefin cable channel for laying of signalling/telecom cables, channel attachable to each other with male female swallow tail connectors and having suitable detachable cover as per the following technical specification, Width (Internal/External)- 240 mm/340 mm, Height (Internal/External)- 155 mm/230 mm, Length per pieces- 1000mm (approx.), Material- Polyolefin/Polymers/ Engineering Plastics, Fire Behaviours- Fire protection class K1 in accordance with DIN-53438 part-2, Breaking Load (Minimum)- >=12KN, at room temperature, over the specified surface area of 250mm x 150mm, Thermal Characteristics- Thermal stability from -10 degree to +70 degree (as per IS 9000-part-2 & part-3 :1977), Electrical Characteristics- Dielectric strength ; 48kv (Min. breakdown voltage) as per IEC-60243-1-2013, Tolerance- (+/-) 10mm,	Metre	5,000.00	₹ 2,397	₹ 1,19,83,500

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		Complying to-RDSO Reference No. STS/Cable-Laying Practice Vol-IV dated 9.5.2018 or latest.				
A2 - Microtunnelling Supply and Execution	02013 100	Supply & laying of 300 mm X 300 mm pre-cast/cast in -situ RCC cable ducts including top cover as per RDSO drawing No. SDO/S&T/RCC DUCT/1018/1 & 2, dated 29.5.23 or latest. Note- The rate is inclusive of all type of transportation including labour till it is placed into trenches. The laying of cables shall be paid separately fulfilling the laying procedure as per above drawings.	Metre	2,800.00	₹ 3,153	₹ 88,27,560
A3 - Telecom Execution SOR	18010 200	Installation, wiring, testing & commissioning of managed SDH (STM-1 Add/Drop MUX and upgradable to STM- 4) fully wired for 2 X 63 MB and equipped for 21 E1s and a Virtual Container (VC)-12 with STM-1(L1.1) aggregate interface	Set	6.00	₹ 20,963	₹ 1,25,777

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		including power supply, order wire, Ethernet card, sub rack, inbuilt DDF, installation material and all other accessories, manuals etc. as per TEC. Specification GR SDH 04/02, March 02 or with latest amendment.				
A3 Telecom Execution SOR	- 18010 600	Installation, wiring of all 30 channels up to krone modules, testing and commissioning of 2 Mb Programmable Primary Digital drop insert multiplexer as per RDSO Specs. No. - IRS/TC/68/2012 Rev.0 with Amendment No.1 or latest. It includes submission of all technical documents, manuals and supply of all miscellaneous items which will be required for final testing and commissioning of the system.	Set	6.00	₹ 13,658	₹ 81,950
A3 Telecom Execution SOR	- 18010 800	Installation, testing & commissioning of 48V/50amp SMPS based power plant in 2+1 configuration using 3 Nos. of 48V/25A modules to charge the VRLA battery bank of 48V/200AH or 48V/300AH with lightening & surge protection as per Specification No. RDSO/SPN/TC/23/1	Set	6.00	₹ 5,569	₹ 33,415

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		999 Ver.4 Amnd.1 or latest.				
A3 Telecom Execution SOR	- 18011 400	Transportation, installation, testing & commissioning of 4W Way-station equipment DTMF type and Way-station 4W control telephone including termination of the electric wires, battery wires, switch board cable on the equipment. The termination shall be done using eyelets of required size. The way station equipment shall be fixed over the wall on board of approved design. Board and all the materials required for fixing and termination to be supplied by the contractor.	Numbers	36.00	₹ 956	₹ 34,409
A3 Telecom Execution SOR	- 18011 600	Installation and Commissioning of GPS synchronized double sided [LED] type digital platform clock with white coloured LED as per RDSO specification No. RDSO/SPN/TC 62/2008 Rev 4.0 or latest.	Numbers	6.00	₹ 3,929	₹ 23,571
A3 Telecom Execution SOR	- 18011 800	Installation, testing & commissioning of the 25 W VHF system including the concrete foundation, erection of mast, charging of the battery with all	Numbers	6.00	₹ 8,512	₹ 51,073

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		contractor's materials. It also includes installation of VF Repeaters etc. as per instructions of site engineer if required. All the material required for fixing and installation will be supplied by the contractor.				
A3 Telecom Execution SOR	- 18012 400	Execution of Straight joint on Quad cable/ jelly filled Telecom cable using Thermo-shrink/Universal jointing kit (RTSF). This includes excavation of cable joint pit of size 1.5 m X 1.5 m X 1.2 m for jointing of cables, back filling and ramming after jointing. After jointing, the cable through test such as insulation test, continuity test etc. to be carried out jointly with Railway Engineer. If any defect or any damage is observed during jointing the contractor has to redo the joint free of cost. Note: In case jointing is required to be done in the Location boxes, then 80% payment will be released.	Numbers	60.00	₹ 1,293	₹ 77,598

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Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A3 Telecom Execution SOR	18012 500	Execution of Derivation/Transformer joint on Quad cable/ jelly filled Telecom cable using Thermo-shrink/Universal jointing kit (RTSF). This includes excavation of cable joint pit of size min 1.5 m X 1.5 m X 1.2 m for jointing of cables, back filling and ramming after jointing. After jointing, the cable through test such as insulation test, continuity test etc to be carried out jointly with Railway Engineer. If any defect or any damage is observed during jointing the contractor has to redo the joint free of cost. Note: In case jointing is required to be done in the Location boxes, then 80% payment will be released.	Numbers	60.00	₹ 1,625	₹ 97,470
A3 Telecom Execution SOR	18012 900	Installation, splicing and commissioning of Fibre Distribution Management system (FDMS) for 24 Fiber complete with all accessories such as patch cord & pigtail etc. as per TEC Spec. with latest amendment. The sundry material if required any to be supplied by contractor.	Numbers	12.00	₹ 3,614	₹ 43,373

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A3 Telecom Execution SOR	18013 100	Installation, splicing and commissioning of Fibre Distribution Management system (FDMS) for 48 Fiber complete with all accessories such as patch cord & pigtail as per TEC Spec. with latest amendment. The sundry material if required any to be supplied by contractor.	Set	12.00	₹ 7,427	₹ 89,122
A3 Telecom Execution SOR	18013 500	Splicing of Optical Fiber Core and routing in joint closure/FDMS as per instruction of site Engineer.	CORE	840.00	₹ 137	₹ 1,14,912
A3 Telecom Execution SOR	18013 600	Supply, transportation and installation of RCC joint chamber with two piece top cover and bottom cover with holes for drainage and cable entry, as per Drawing No. RDSO/TCDO/COP-21 or latest. This includes trenching for jointing pit of size min 1.5 m X 1.5 m X 1.2m for all types of soils, back filling and ramming of the pit after placing the joint closure and cable loop in the chamber including dry sand upto 600mm height without causing any damage to same and consolidation of soil as well as	Numbers	24.00	₹ 4,330	₹ 1,03,918

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		disposal of excess soil.				
A3 Telecom Execution SOR	-	Transportation and fixing of following types of C.T. Box (Aluminium/Wago type) and termination of cable as per details of jointing schedule approved by the Railway Engineers.	-	-		
A3 Telecom Execution SOR	- 18014 302	20 pair C.T. Box/Krone type DP Box	Numbers	48.00	₹ 824	₹ 39,571
A3 Telecom Execution SOR	- 18015 200	Installation, testing & commissioning of 2U/3U/4U/6U/9U/12 U rack with 19 inch standard dimension as per instruction of Engineer in charge. It includes supply of all the accessories for fixing of the same.	Numbers	24.00	₹ 453	₹ 10,865
A3 Telecom Execution SOR	- 18016 600	Transportation, installation, testing and commissioning of Magneto Portable Telephone (desk type) as per specification IRS/TC/79/2000, Amdt 4 or latest including supply of dry cell batteries.	Numbers	35.00	₹ 226	₹ 7,907

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Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A3 - Telecom Execution SOR	19010 100	Supply, transportation, fixing, wiring, termination of cable, erection of rail post of size minimum 2.8 meter including foundation of post in cement concrete (1:2:4) as per the direction of the section engineer in charge, testing and commissioning of Emergency socket box of cast iron make as per Drawing No.SE/T/50/76 or latest (6 pin Emergency Plug and Socket as per TC- 42/20 Version- 1.1 or latest and other accessories). This includes transportation of rail posts, provided by the Railway, from any place/Station to work site; fixing of GI pipe and emergency socket box, GI pipe (make: TATA/Jindal or better) minimum 40 mm diameter, minimum 1.8 meter long as per IS 1239 grade medium, cast iron emergency socket with complete fittings. Supply of materials required for masonry work, U-bolt for fixing emergency socket etc., cutting of Rails and welding or suitable clamp of GI pipe on the rail	Numbers	12.00	₹ 13,262	₹ 1,59,149

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		post will be done by the contractor.				
A3 Telecom Execution SOR	- 19011 600	Transportation and fixing of PVC Conduit pipe/channel/casing capping on wall or structure with draws of Telecom/Power/Data cable with proper finishing. This includes supply of fixing materials including flexible pipe/bend etc. as required during course of execution.	Metre	300.00	₹ 14	₹ 4,050
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	14012 100	Supply and Installation of class A type Lightning Protection System as per following specification are as under, (i) Lightning arrester technology: Advance Early Steamer Emission. Material: High current discharge stainless steel. International standards: NFC 17-102 or latest., (ii) Mast material: minimum 2 meter FRP pipe and minimum 3 meter high-grade aluminium/steel.	Set	18.00	₹ 1,29,386	₹ 23,28,944

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		Dimension: 50mm., (iii) Down conduct cable: 50 Sq. mm PVC insulated copper cable having 75m length, (iv) Lightning strike counter: 6 digits counter, Current sensitivity: 1KA to 200 KA, 8/20 & 10/350 micro/Sec. induction Shunt: 0.5 micro. (v) Two (02) No. of maintenance Free Earth with all required accessories as per Specification No. RDSO/SPN/197/2016 Ver 1.0 or latest such as copper cables, strips etc.				
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15010100	Supply, Installation, Testing & Commissioning of Networkable Single loop addressable Fire alarm Control panel expandable upto 2 loops & interface with GSM/LTE module working as per RDSO/SPN/217/2021 ver-3 or latest. The control panel shall be networkable to Zonal /Divisional Headquarters preferably over TCP IP/OFC media converter and shall have clock synchronization facility. This schedule includes supply of TCP IP converter/Networkin	Set	6.00	₹ 1,41,349	₹ 8,48,092

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		g card/OFC media converter. The control panel shall have provision of Graphical software to enable remote monitoring of entire fire detection and alarm system of a station from Head Quarters. The control panel shall be designed to work on power supply of 110V/230V AC as well as on DC battery backup of adequate capacity to work upto 24 hrs. Backup. The Power supplies like batteries and chargers shall be supplied by the contractor. The Control Panel shall have means for the user to visualize and interact with the complete Automatic Fire Detection and Alarm System layout through a user-friendly software executable on a standard Windows based Personal Computer. It shall be possible to download data and extend alarms from Control Panel through suitable ports like RS485/RS232/USB/TCP/IP into a PC/Laptop available with SSE at the installation and remote location				

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		(Divisional Control room) operating on Windows platform. The software for downloading and analysing fault data shall be provided & shall be compatible with the latest windows operating system. Detection, actuation, and control system shall have provision for automatic as well as manual operation. The control panel should have provision to connect a GSM/LTE module duly providing compatible SIM with SMS facility on minimum of 5 numbers (users). Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15.				
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15010 200	Supply, Installation, testing and commissioning of laser or high power LED based Aspiration detection unit for AC room with programmable 4 stage alarm generation and with 4 addressable modules. It should have auto cleaning facility in optical chamber, electronic discrimination of particle size or other listed methods or combination thereof. The aspiration system shall also include	Set	6.00	₹ 2,80,606	₹ 16,83,634

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		external power supply unit with battery backup as per OEM. The aspiration type smoke detector should be UL/LPCB/Vds/FM listed/approved and shall comply to specification No. RDSO/SPN/217/2021 ver-3 or latest. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15.				
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15010300	Supply, installation testing & commissioning of Heat and smoke multi sensor with inbuilt fault isolator (open/short circuit in loop) as per specification No. RDSO/SPN/217/2021 ver-3 or latest and required to be provided at suitable locations inside the diesel generator room, battery room, ASM room, power equipment room, non air conditioned RR, CCTV control & equipment rooms, way side OFC room and other S&T service rooms as directed by the Railway site Engineer. The location of fixing is to be meticulously decided so that full advantage of the system is achieved. Note: Spare cost is	Numbers	330.00	₹ 3,895	₹ 12,85,416

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		also included & to be supplied as per RDSO para no. 4.15 or latest.				
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15010 400	Supply, Installation, Testing & commissioning of Audio Visual alarm (Hooter and strobe) controlled through addressable control model. It shall be preferably flashing type Red/White colour. It shall be preferably with Piezoelectric type sounder. The sound level shall be preferably adjustable type up to 90 dB at a distance of 1 m as per specification No. RDSO/SPN/217/202 1 Ver - 3 or latest. Note: Spares cost are also included & to be supplied as per RDSO para no. 4.15 or latest.	Numbers	6.00	₹ 8,049	₹ 48,292
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15010 500	Supply, Installation and Testing, commissioning of Addressable and resettable Manual call point with inbuilt fault isolator (open/short circuit in loop) status LED for alarming & standby mode as per specification No.	Numbers	18.00	₹ 5,545	₹ 99,808

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		RDSO/SPN/217/2021 ver-3 or latest. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15 or latest.				
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15010800	Supply, installation, testing & communication of Linear Heat Sensing (LHS)/Linear Heat Detection (LHD) Interface module with all accessories for integration with main line fire alarm control panel as per RDSO specification No. RDSO/SPN/217/2021 ver-3 or latest. It should be UL/FM/Vds/LPCB approved/listed. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15 or latest.	Numbers	6.00	₹ 83,485	₹ 5,00,909
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15010900	Supply, Installation Testing and commissioning of Analogue type Linear Heat Sensing cable/Linear Heat Detector hollow metallic pneumatic tube type with required module to be integrated on main Fire Alarm Panel as per specification No. RDSO/SPN/217/2021 ver-3 or latest. It shall be laid in all cables tray located in	Metre	1,200.00	₹ 479	₹ 5,74,560

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		power equipment room, relay room & telecom room and should be UL/FM/Vds/LPCB approved/listed. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15 or latest.				
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15011 000	Supply, Installation, Testing, Commissioning of Auto Telephone Dialler (GSM) Module to send the pre-recorded message, fire and fault message, to multiple mobile numbers, programmed earlier, complying to the RDSO/SPN/217/202 1 ver-3 or latest. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15 or latest.	Numbers	6.00	₹ 9,051	₹ 54,308
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15011 100	Supply of Power supply System 24 V/2 Amp or other rating as per OEM with built in Charger with battery backup as per specification No. RDSO/SPN/217/202 1 ver-3 or latest. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15 or latest.	Set	6.00	₹ 30,992	₹ 1,85,949

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15011 200	Supply, Installation Testing and commissioning of FRLS/Fire Survival Circuit Integrity Cables of size 2C X 1.5 Sq. mm with all accessories certified by UL/FM/Vdc/LPCB/B RE global or any recognised Lab by GOI for connection of Fire Alarm devices specification No. RDSO/SPN/217/202 1 ver-3 or latest. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15 or latest.	Metre	1,800.00	₹ 152	₹ 2,73,780
A4 - Supply & Execution SOR- Fire Alarm (AFDAS)	15011 300	Supply, Installation, Testing & Commissioning of UL/LPCB/Vdc listed/approved Pipe made of CPVC with suitable diameter & pipe accessories (couplings, unions, elbows, tees, end caps, capillary tubes, sampling ports, mounting brackets etc.) as per requirement for the Aspiration detection shall comply to RDSO/SPN/217/202 1 ver-3 or latest. Note: Spare cost is also included & to be supplied as per RDSO para no. 4.15 or latest.	Metre	225.00	₹ 572	₹ 1,28,790
A4 - Supply & Execution SOR- Fire	15011 500	Supply of CO2 Fire extinguisher 4.5 kg capacity confirming to IS 15683: 2018	Numbers	48.00	₹ 3,975	₹ 1,90,814

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
Alarm (AFDAS)		or latest with ISI mark provided with all fittings and accessories.				
B1 - S&T SUPPLY SOR	02012 300	Supply of HDPE pipe as per Specification No. RDSO/SPN/TC/45/2 013 Rev-2.0 or latest with OD/ID of size 40mm/33mm with suitable couplers, plugs, end caps, spacer, T band etc. as required during execution at the site.	Kilometre	15.00	₹ 50,868	₹ 7,63,020
B1 - S&T SUPPLY SOR	02012 400	Supply of HDPE pipe as per Specification No. RDSO/SPN/TC/45/2 013 Rev-2.0 or latest with OD/ID of size 50mm/42mm with suitable couplers, plugs, end caps, spacer, T band etc. as required during execution at the site.	Kilometre	15.00	₹ 67,118	₹ 10,06,776
B1 - S&T SUPPLY SOR	03010 100	Supply of Steel Apparatus case Full height as per Drawing No. SK/Drg./OL/SER /198 or latest with E type lock . E-type lock & their key ward No. will be decided by site engineer as per Specification No. IRS: S-10/78 with Rev. 8 or latest. Supply of Hylam sheets is not covered under this scope. This includes supply of one key & handle for each four Apparatus Case or minimum one.	Numbers	290.00	₹ 15,687	₹ 45,49,230

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	03011 000	Supply of 12 mm thick Hylam Sheet of size 4 foot x 4 foot as per specification no. IS 2036 of 1995 or latest. Note:- In case the requirements are different from the above, proportionate payment will be done.	Numbers	120.00	₹ 2,020	₹ 2,42,352
B1 - S&T SUPPLY SOR	03011 100	Supply of 25 mm thick Hylam Sheet of size 955mm x 400mm per specification no. IS 2036 of 1995 or latest. Note:- In case the requirements are different from the above, proportionate payment will be done.	Numbers	205.00	₹ 1,078	₹ 2,21,031
B1 - S&T SUPPLY SOR	03011 900	Supply of 25 mm 6 Way PBT Terminal block as per Specification No. IRS:S- 75/2006 Rev. 2.0 or latest as per IRS Drg. No. SA-23756 Alt-3 or its latest amendments.	Numbers	11,500.0 0	₹ 290	₹ 33,32,700
B1 - S&T SUPPLY SOR		Supply of Non-Deteriorating type of low voltage electric fuse for Railway signalling use, fuse with cylindrical cap without indication, cylindrical fuse as per Specification No. IRS:S-78/2006 or latest.	-	-		
B1 - S&T SUPPLY SOR	03012 001	ND Fuse Cylindrical Type 2 Amp.	Numbers	1,200.00	₹ 43	₹ 51,840
B1 - S&T SUPPLY SOR	03012 002	ND Fuse Cylindrical Type 4/6 Amp.	Numbers	1,200.00	₹ 50	₹ 59,400

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	03012 003	ND Fuse Cylindrical Type 10 Amp.	Numbers	1,200.00	₹ 50	₹ 59,400
B1 - S&T SUPPLY SOR	03012 004	ND Fuse Cylindrical Type 16 Amp.	Numbers	1,200.00	₹ 51	₹ 61,560
B1 - S&T SUPPLY SOR	03012 100	Supply of PBT fuse base block as per Specification No. IRS:S-75/2006 Rev. 2.0 or latest as per IRS drawing No. . SA: 23748 with alt 4 or its latest amendments.	Numbers	4,800.00	₹ 98	₹ 4,70,880
B1 - S&T SUPPLY SOR	03012 200	Supply of Polymeric Positive Temperature co- efficient self- Restoring Type fuse (PPTC) of 24-110V, 2-3 Amps capacity Fuse should have an insulating coating of flame retardant epoxy to meet UL- 94, V0 requirement working temperature range 40 Degree Celsius to 85 Degree Celsius and leads to be tin platted copper.	Numbers	2,500.00	₹ 11	₹ 27,000
B1 - S&T SUPPLY SOR	04010 200	Supply of Non- metallic (FRP) Colour Light Signal, for Two aspect Complete without lenses, lamp holder and Signal transformer as per RDSO Drawing No. SA/23003 A/M (Adv.) or latest and as per Specification No. RDSO/ SPN/194/2006 Rev. 2.0 or latest. Mounting socket including its	Numbers	30.00	₹ 19,400	₹ 5,82,012

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		material shall be as per RDSO Drawing No. S 23005/M or latest for mounting on 140 mm outside diameter post.				
B1 - S&T SUPPLY SOR	04010 500	Supply of Non-metallic (FRP) Colour Light Signal, for Three aspect complete without lenses, lamp holder and Signal transformer as per RDSO Drawing No. SA/23002A/M (Adv.) or latest and Specification No. RDSO/SPN/194/2006 Rev.2.0 or latest. Mounting socket including its material shall be as per RDSO Drawing No. S 23005/M or latest for mounting on 140 mm outside diameter post.	Numbers	12.00	₹ 21,351	₹ 2,56,208
B1 - S&T SUPPLY SOR	04010 700	Supply of Non-metallic (FRP) Colour Light Signal, for Four aspect complete without lenses, lamp holder and Signal transformer as per RDSO Drawing No. SA/23001 A/M (Adv.) or latest and Specification No. RDSO/SPN/194/2006 Rev.2.0 or latest. Mounting socket including its material shall be as per RDSO Drawing No. S 23005/M or latest for mounting on 140 mm	Numbers	54.00	₹ 23,266	₹ 12,56,359

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		outside diameter post.				
B1 - S&T SUPPLY SOR	04010 900	Supply of 140 mm diameter Cast Iron (Grade-20) Signal base as per Drawing No. S-2011/M and as per Specification No. IRS:S-10/78 & IS:210 or latest.	Numbers	74.00	₹ 5,742	₹ 4,24,908
B1 - S&T SUPPLY SOR	04011 200	Supply of 5.5 meter Tubular (Seamless) Post for Colour Light Signal Specification No. IRS:S-6/81 or latest to suit 140mmm dia. base.	Numbers	74.00	₹ 12,610	₹ 9,33,133
B1 - S&T SUPPLY SOR	04011 500	Supply of 5.5 meter Ladder for Colour Light Signal as per RDSO Drawing No. SA-23156 (Adv.) or latest and Stage with Ladder foundation as per Drawing No. S-2033/M (IRS) or latest & as per Specification No. IRS:S-10/78 & IS:210 or latest.	Numbers	74.00	₹ 11,033	₹ 8,16,449
B1 - S&T SUPPLY SOR	04012 300	Supply of Non-metallic (FRP) 4 way Junction Route Indicator Unit Without Lens & Holder as per Specification No. RDSO/SPN/194/200 6 Rev.2.0 or latest as per RDSO Drawing No. SA 23404 or latest suitable for LED signal lighting unit as per IRS:S-66/84 Amd. 1 or latest.	Numbers	53.00	₹ 37,346	₹ 19,79,312

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	04013 300	Supply of Shunt Signal Position Light type complete with base, post etc. as per Drg. No.SA-23840 (Adv.) Alt '1' or latest, S-23203 or latest and Drg. No. 23845(Adv.) or latest for 90 mm dia. mounting socket as per Specification No. IRS: S-10/78 with Rev. 8 or latest.	Numbers	15.00	₹ 7,215	₹ 1,08,230
B1 - S&T SUPPLY SOR	04013 500	Supply of dependent/position light type Shunt Signal complete as per Drawing No. SA-23840(Adv) Alt.2 or latest, S- 23023 or latest with offset bracket to Drg. No. SA23080 Adv. Alt. 1 or latest to suit 140 mm. dia post complete as per Specification No. IRS:S-10/78 Rev. 8 or latest.	Numbers	13.00	₹ 5,857	₹ 76,144
B1 - S&T SUPPLY SOR	04013 600	Supply of metallic Offset bracket for Colour Light Main Signal Unit to fix on post of 140 mm outside diameter as per RDSO Drawing No. SA- 23080 (Adv.) Alt- 1 or latest and Specification No. IRS-S- 10/78 or latest.	Numbers	76.00	₹ 3,080	₹ 2,34,065
B1 - S&T SUPPLY SOR	04013 700	Supply of Metallic A Marker/Calling On signal unit/Guard Repeater unit with bracket & fixing accessories as per Drawing No: SA 24351 (Adv.) Alt 1.0 or latest, S:	Numbers	54.00	₹ 3,516	₹ 1,89,880

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		23463 or latest and Specification No. IRS-S-10/78 or latest and IRS:S-26/64 or latest.				
B1 - S&T SUPPLY SOR	04014 000	Supply of Signal Number plate pressure sensitive Retro reflective type high intensity grade white with imprinted 'Alphanumeric' in Black & White of size as per SEM Drg.19-D10 (Sheet 6 to 7) or latest with film thickness 0.3 mm on ACP sheet with Clamp for Main/Shunt Signal made of MS Flat of size 30mm x 3mm with nut & bolt as per SEM Drg. No. 19-D10(Sheet 9-10) or latest.	Numbers	105.00	₹ 220	₹ 23,058
B1 - S&T SUPPLY SOR	04014 100	Supply of Arrow Marker Retro reflective type high intensity grade white with imprinted Arrow Marker in white on red background of size as per SEM Drg.19-D10 (Sheet 8) or latest with film thickness 0.3mm on ACP sheet with Clamp for Main/Shunt Signal made of MS Flat of size 30mm x 3mm with nut & bolt as per SEM Drg. No. 19-D10 (Sheet 9-10) or latest.	Numbers	36.00	₹ 183	₹ 6,577

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	04014 200	Supply of Signal Marker Retro reflective type high intensity grade white/yellow with imprinted 'A'/'G'/'C'/'AG'/'IB'/'P' in black of size as per SEM Drg.19-D10(Sheet 1 to 5) or latest with film thickness 0.3mm on ACP sheet with Clamp for Main/Shunt Signal made of MS Flat of size 30mm x 3mm with nut & bolt as per SEM Drg. No. 19-D10(Sheet 9-10) or latest.	Numbers	66.00	₹ 175	₹ 11,524
B1 - S&T SUPPLY SOR	04014 400	Supply of Red aspect Main LED Signal Lighting unit working on 110V AC as per Specification No. RDSO/SPN/199/ 2010 Rev 1.1 or latest.	Numbers	90.00	₹ 7,874	₹ 7,08,669
B1 - S&T SUPPLY SOR	04014 500	Supply of Yellow aspect Main LED Signal Lighting unit working on 110V AC as per Specification No. RDSO/SPN/199/ 2010 Rev 1.1 or latest.	Numbers	162.00	₹ 7,546	₹ 12,22,387
B1 - S&T SUPPLY SOR	04014 600	Supply of Green aspect Main LED Signal Lighting unit working on 110V AC as per Specification No. RDSO/SPN/199/ 2010 Rev 1.1 or latest.	Numbers	72.00	₹ 8,951	₹ 6,44,436
B1 - S&T SUPPLY SOR	04014 800	Supply of Calling-ON LED Signal Lighting unit working on 110V AC as per Specification No. RDSO/SPN/153/2023 Rev 5.0 or latest.	Numbers	33.00	₹ 6,408	₹ 2,11,464

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	04014 900	Supply of Route LED Signal Lighting unit working on 110V AC as per Specification No. RDSO/SPN/153/2023 Rev 5.0 or latest.	Numbers	390.00	₹ 5,189	₹ 20,23,515
B1 - S&T SUPPLY SOR	04015 000	Supply of Shunt LED Signal Lighting unit working on 110V AC as per Specification No. RDSO/SPN/153/2023 Rev 5.0 or latest.	Numbers	72.00	₹ 5,235	₹ 3,76,942
B1 - S&T SUPPLY SOR	04015 100	Supply of A/AG Marker LED Signal Lighting unit working on 110V AC.	Numbers	48.00	₹ 4,949	₹ 2,37,557
B1 - S&T SUPPLY SOR	04015 700	Supply of Pipe lock with key ring size inside dia. 40.5mm, outside dia. 60mm. Thickness 20mm, lock length 65mm.	Numbers	300.00	₹ 148	₹ 44,280
B1 - S&T SUPPLY SOR	05010 100	Supply of Composite/Q series Relay Rack as per Drawing No. SK/DRG/OL/SER/192, Sheet 1 and 2 or latest and must be powder coated of stone grey colour.	Numbers	46.00	₹ 18,422	₹ 8,47,417
B1 - S&T SUPPLY SOR	05010 300	Supply of MS Cable termination Racks (CTR) as per Drawing No. SK/DRG/OL/SER/197 or latest and must be powder coated of stone grey colour.	Numbers	29.00	₹ 13,500	₹ 3,91,500
B1 - S&T SUPPLY SOR	05011 000	Supply of 2 conductor Knife disconnect terminal block, screwless type i.e. Wago confirming to Specification No.	Numbers	13,800.00	₹ 24	₹ 3,35,340

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		RDSO/SPN/189/2004, Ver.3 or latest. Connection method: Spring-cage connection, Cross section: 0.2 mm ² - 2.5 mm ² , Nominal current: 16 A, Nominal voltage: 400 V, Color: as per instruction of site engineer. Flammability rating according to UL 94-V0.				
B1 - S&T SUPPLY SOR	05011 200	Supply of Steel Rail Carrier (Din Rail slotted) Size: 35mmx7.5mm as per Specification No. RDSO/SPN/189/2004, Ver.3 or latest.	Metre	170.00	₹ 64	₹ 10,863
B1 - S&T SUPPLY SOR	05011 300	Supply of Endplate/End stop suitable for disconnect terminal as per RDSO/SPN/189/2004 or latest.	Numbers	1,700.00	₹ 7	₹ 12,240
B1 - S&T SUPPLY SOR	05011 400	Supply of Wago Marker (1-100) for wago terminal.	Set	13,800.00	₹ 78	₹ 10,80,540
B1 - S&T SUPPLY SOR	05011 500	Supply of Single Jumper/ shorting link for wago terminal.	Numbers	600.00	₹ 11	₹ 6,480
B1 - S&T SUPPLY SOR	05011 700	Supply of Negative Bus Bar of size 20 mm X 5 mm made of copper bar with brass screw & washer minimum length of one piece is to be 0.3 m. The bar and screw should be nickel plated.	Metre	280.00	₹ 878	₹ 2,45,700

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	06010 300	Supply of Remote terminal unit (RTU) with 128 Digital & 16 Analog inputs with E1/64 Kbps Voice Channel/Optical modem as per Specification No. IRS:S-99/2006 (Amdt-3) or latest. Magnetic door lock coil to be supplied along with equipment. Note: i) The contractor is required to confirm the required modem to meet the site requirement before placing an order to any RDSO approved OEM from Engineer in charge. ii) The inspection of E1/Optical Modem shall be done by consignee.	Set	6.00	₹ 1,67,171	₹ 10,03,028
B1 - S&T SUPPLY SOR	06010 500	Supply of Data logger system for Railway S&T Installations with 512 Digital and 32 Analog inputs as per Specification No. IRS:S-99/2006 (Amdt- 3) or latest with power supply arrangement (batteries and charger), fault diagnostic PC & software for failure analysis and E1/64 Kbps Voice Channel/Optical modem card. It includes: - CMU (i3 or latest with 256 GB SSD or higher, 8 GB RAM), with UPS	Set	18.00	₹ 3,56,397	₹ 64,15,151

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		(minimum 6 hrs. battery backup) and printer- 01 No. Magnetic door lock coil to be supplied along with equipment. Note: i) The contractor is required to confirm the required modem to meet the site requirement before placing an order to any RDSO approved OEM from Engineer in charge. ii) The inspection of E1/Optical Modem shall be done by consignee.				
B1 - S&T SUPPLY SOR	06011 400	Supply, installation, testing and commissioning of SSI Protocol Card of Data logger Specification No. IRS:S- 99/2006 (Amdt-3) or latest as per EI make.	Numbers	18.00	₹ 33,269	₹ 5,98,849
B1 - S&T SUPPLY SOR	06011 800	Supply of Dual card E1 Converter for Data logger as per Specification No. IRS:S-99/2006 (Amdt-3) or latest.	Numbers	18.00	₹ 21,949	₹ 3,95,086
B1 - S&T SUPPLY SOR	06012 000	Supply of LED based Safety Point Alarm unit with indications, Buzzers, Acknowledgment Button upto 6 lines station with interface facility to existing Data logger and modification of data logger embedded software when a station master fails to set the point against the occupied line	Set	6.00	₹ 56,976	₹ 3,41,858

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		within stipulated time after arrival of the train for the specified station.				
B1 - S&T SUPPLY SOR	08011 100	Supply of 6 Core Armoured Mono mode OFC cable as per latest TEC Specification or latest.	Kilometre	1.50	₹ 20,353	₹ 30,529
B1 - S&T SUPPLY SOR	08012 000	Supply of PVC Insulated Multicore copper conductor Indoor Cable of size 60 Core x 1.0mm diameter as per Specification No. IRS:S-76/89 or latest.	Kilometre	6.00	₹ 3,55,217	₹ 21,31,299
B1 - S&T SUPPLY SOR	08012 700	Supply of PVC Insulated Single core Multistrand, unsheathed with plain annealed/tinned copper conductor 16/0.2 mm diameter as per Specification No. IRS:S-76/89 or latest. Wire Colours shall be decided by engineer-in-Charge. Note: The requirement of plain/tinned copper to be decided by the Engineer in charge.	Kilometre	180.00	₹ 7,049	₹ 12,68,784
B1 - S&T SUPPLY SOR	08012 900	Supply of PVC Insulated single cable multistrand, unsheathed with plain annealed/tinned copper conductor 7/0.75 mm diameter as per Specification No. IRS:S-76/89 or	Kilometre	12.00	₹ 39,371	₹ 4,72,446

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		latest. Wire Colours shall be decided by engineer-in-Charge. Note: The requirement of plain/tinned copper to be decided by the Engineer in charge.				
B1 - S&T SUPPLY SOR	08013 000	Supply of PVC insulated 10 Sq. mm Single core Multi strands copper conductor as per Specification No. IRS:S-76/89 or latest conforming to IS: 694/2010 or latest. Wire Colours shall be decided by engineer-in-Charge.	Metre	3,000.00	₹ 98	₹ 2,94,300
B1 - S&T SUPPLY SOR	08013 100	Supply of PVC insulated 16 Sq. mm Single core Multi-strands copper conductor as per Specification No. IRS:S-76/89 or latest conforming to IS: 694/2010 or latest. Wire Colours shall be decided by engineer-in-Charge.	Metre	1,800.00	₹ 134	₹ 2,41,380
B1 - S&T SUPPLY SOR	08013 300	Supply of PVC insulated 35 Sq. mm Single core Multi-strands copper conductor as per Specification No. IRS:S-76/89 or latest conforming to IS: 694/2010 or latest. Wire Colours shall be decided by engineer-in-Charge.	Metre	1,800.00	₹ 229	₹ 4,11,480
B1 - S&T SUPPLY SOR	08013 600	Supply of PVC insulated 10 pair/0.5 mm conductor dia. PVC Switch Board Cables as per TEC	Metre	600.00	₹ 49	₹ 29,160

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		specification GR/WIR-06/03 of march 02 or latest.				
B1 - S&T SUPPLY SOR	08013 700	Supply of PVC insulated 20 pair/0.5 mm conductor dia. PVC Switch Board Cables as per TEC specification GR/WIR-06/03 of march 02 or latest.	Metre	1,200.00	₹ 93	₹ 1,11,240
B1 - S&T SUPPLY SOR	09013 100	Supply of Electric key transmitter (EKT)/Rotary key transmitter (RKT) as per Specification No. IRS:S-21/2001 Rev 1.0 or latest & Drawing No.SA-22601 or latest with the keys and wards nos. will be per instructions given by site Engineer in charge.	Numbers	60.00	₹ 5,871	₹ 3,52,242
B1 - S&T SUPPLY SOR	09013 400	Supply of Key Lock - 'E' Type with key as per RDSO Drg. No. SA-3376/M, Alt-2(Lock) or latest & SA-3377 (Key) or latest, and Specification No. IRS: S 30-64 Rev 0 or latest and IRS S-10 or latest. Ward No. shall be as per instruction of Railway.	Numbers	60.00	₹ 1,368	₹ 82,080
B1 - S&T SUPPLY SOR	10011 000	Supply of DC-DC converter 110/(24 - 32 V, 5A) as per Specification No. RDSO/SPN/165/202 3 Ver. 4.0, Amdt.1 or latest. It should be compatible with existing system as specified by Engineer in charge.	Numbers	24.00	₹ 11,354	₹ 2,72,484

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR		Supply of uncharged Low Maintenance Lead Acid (LMLA) Secondary Cells for S&T installations having nominal voltage 2 volts as per Specification No. IRS-S-88/2004 Ver. 1.0 or latest.	-	-		
B1 - S&T SUPPLY SOR	10013 401	80 AH	Numbers	747.00	₹ 3,123	₹ 23,32,881
B1 - S&T SUPPLY SOR	11010 100	Supply of Track lead Junction Box (TLJB) made of fibre reinforced plastic as per RDSO drawing No. SA 20101/M (IRS) or SI-10272 (FRP) and as per Specification No. RDSO/SPN/151/199 7 or latest with bush & ARA terminals conforming to IRS: S-75/91 or latest. 1 way 60mm PBT terminals, 18" GI pipe of adequate size & MS angles 1500x50x50 mm ³ are also to be supplied by the contractor.	Numbers	840.00	₹ 1,287	₹ 10,81,080
B1 - S&T SUPPLY SOR	11010 200	Supply of 110V AC, 50 Hz, 10A Track Feed Battery Charger as per Specification No. IRS: S-89/2013 Ver.1.0 or latest to charge lead acid cell battery for 1/2/3/4 cells of 80 AH.	Numbers	249.00	₹ 3,253	₹ 8,09,897
B1 - S&T SUPPLY SOR	11010 300	Supply of "B" Type Choke Coil for single rail track circuits on 25 KV 50 Hz AC electrified sections as per Specification	Numbers	498.00	₹ 1,744	₹ 8,68,612

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		No. IRS: S-65/83 (Amdt 3) or latest.				
B1 - S&T SUPPLY SOR	11010 400	Supply of disc type fixed Track Feed Resistance (Porcelain Base, Phenolic, Moulding Base) 0-30 Ohm (with tapping at 2, 4, 8 & 16 Ohm) as per RDSO Drawing No. SA-20161-66 or latest and Specification No: IRS:S-23 or latest.	Numbers	255.00	₹ 308	₹ 78,489
B1 - S&T SUPPLY SOR	11010 500	Supply of 8 SWG (4.064mm Diameter) GI wire for Track Circuit Bonding or for other application as per Specification No.IS:279/81 or latest.	Kg	1,670.00	₹ 80	₹ 1,33,767
B1 - S&T SUPPLY SOR	11010 600	Supply of 30 mm length Channel Pins, single groove for bonding Track Circuiting wires of 7mm dia. for 4mm dia. bond wire to RDSO Drawing No. S- 69/M or latest as per Specification No. IRS: S17-75 Rev 3 & IS: 1573-70 or latest.	Numbers	19,000.00	₹ 2	₹ 34,200
B1 - S&T SUPPLY SOR	11010 700	Supply of Insulated galvanized flexible stranded wire rope 7x7 construction, 19 mm circumference, Tensile Strength 125-140 Kg per square mm as per Specification No. IRS:S-3/61 or latest wrapped with Extruded jacket of PVC, thickness 2 mm. Wire colour	Kg	1,850.00	₹ 186	₹ 3,44,655

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		will be decided by Engineer in charge.				
B1 - S&T SUPPLY SOR	13010 100	Supply of Electrically operated lifting barrier (ELB) 24V/110V DC with hand generator having boom length of 9.76 meter/32 feet confirming to IS:277 or latest with Base metal as IS: 513 grade CR3 or latest. The boom shall be painted alternately with 300 mm bands of black and yellow colour and additionally provided with luminous stripes (reflective tape) as per RDSO Drg. No. RDSO/S 11600 or latest, complete set as per Specification No. RDSO/SPN/ 208/2012 Ver. 2 Amd.1.0 or latest. List of spares & tool kit items mentioned in Para 10 of RDSO Specification shall also be supplied.	Set	5.00	₹ 2,46,543	₹ 12,32,717
B1 - S&T SUPPLY SOR	13010 400	Supply of Sliding Boom Gate as per drawing no. E. Rly Signal workshop/HWHs Drg No. SW/SA/29/768 or latest. This includes supply of 8 Nos. Key lock 'E' type with key as per Specification No. IRS:S-30/64 or	Set	6.00	₹ 1,11,355	₹ 6,68,131

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		latest conforming to Drg No. 3376/M with latest amendment. Ward number to be decided by Railway Engineer & to be fixed on MS plate as mentioned in the drawing and it includes supply of all the nut and bolt with washer, Anchor Bolt and Pad lock 6 (Six) lever (make - Godrej or better) with three keys etc, to make the system complete functional.				
B1 - S&T SUPPLY SOR	13010 600	Supply of GI Sheet Boom of 9.76 meter/32 feet long for Electrically operated lifting barrier confirming to IS: 277 or latest with Base metal as IS: 513 grade CR3 or latest. The boom shall be painted alternately with 300 mm bands of black and yellow colour and additionally provided with luminous stripes (reflective tape) as per RDSO Drg. No. RDSO/S 11600 or latest as per Specification No. RDSO/SPN/ 208/2012 Ver. 2 Amd.1.0 or latest.	Set	6.00	₹ 9,635	₹ 57,812
B1 - S&T SUPPLY SOR	13011 100	Supply of Stop Board for Electrically operated lifting barrier of 600 mm diameter disc made from minimum 20 SWG	Numbers	20.00	₹ 916	₹ 18,324

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		GI Sheet with a vertical Stiffening "V" or "U" bend in the middle having red reflector buttons/ luminous strips facing the road traffic. The disc shall be marked with "STOP" sign of 50mm width in white luminous paint/ stripes as per Specification No. RDSO/SPN/208/201 2 Ver 2.0 Amd.1.0 or latest.				
B1 - S&T SUPPLY SOR	13011 200	Supply of 25 watt horn, dual tone warning bell hooter for L.C gate and working on 110 VAC/24V DC. The contractor should get confirmation from Railway before placing an indent to manufacturer/supplier.	Numbers	20.00	₹ 1,681	₹ 33,624
B1 - S&T SUPPLY SOR	13012 400	Supply of Control cum Indication panel Domino Type at Mid-section interlocked LC Gate/IBS/Siding motor operated point operation panel /Non-Interlocking panel of Single/Double line section as per RDSO Specification No. RDSO/SPN/186/200 4Rev. 2.0 or latest. Size of each Domino will be 54 x 34 mm ² . Control Panel includes panel rest, front and side	Set	6.00	₹ 54,553	₹ 3,27,316

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		table, complete with switches, push button, termination of cables, painting and lettering as required. This also includes 10% spare of panel LED's, Dominos and button assemblies, counter, keys, buzzer etc. Note: Size of the panel will depend upon the number of Dominos required as per Front Plate Diagram.				
B1 - S&T SUPPLY SOR	13013 600	Supply of Master Telephone Unit with voice logging facility for LC Gate Telephone System as per Specification No. RDSO /SPN/TC/51/2011 Rev 1.0 or latest.	Numbers	7.00	₹ 46,609	₹ 3,26,264
B1 - S&T SUPPLY SOR	13013 700	Supply of Slave Telephones unit for LC Gate Telephone System as per Specification No. RDSO /SPN/TC/51/2011 Rev 1.0 or latest.	Numbers	18.00	₹ 5,161	₹ 92,891
B1 - S&T SUPPLY SOR	13013 800	Supply of Power Supply System having both 12V & 24 V DC Output including battery charger with minimum 7AH, 24V DC MF Battery. 12V DC supply shall be connected to the Station Telephone Unit & 24V DC shall be fed to Line Circuit for LC gate telephone system as per Specification	Numbers	7.00	₹ 6,425	₹ 44,976

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		No. RDSO/SPN/TC-51/2011, Rev 1.0 or latest.				
B1 - S&T SUPPLY SOR	14010 400	Supply of Earth Electrode as per Drawing No. 19-D6 of SEM-2021 or latest. GI pipe confirming to IS:1239 or latest of 3.17 mm thickness, minimum 2.5 m long, 50.8 mm diameter, 4.76 mm diameter drilled holes staggered at distance of 152.4 mm.	Set	350.00	₹ 2,441	₹ 8,54,280
B1 - S&T SUPPLY SOR	14010 600	Supply of 35 mm x 6 mm thick MS Flat Plate Strip as per IS: 226-1975 or latest for earth connection to Signal post, L/Box etc.	Metre	2,300.00	₹ 149	₹ 3,43,620
B1 - S&T SUPPLY SOR	14010 700	Supply of basic material to construct unit Maintenance Free Earth for Single Earth consisting as per Spec. No. RDSO/SPN/197/2016 Ver 1.0 or latest, bonding connections drawing no. SDO/RDSO/E&B/002 or latest are as under, (a) Copper bonded steel electrodes of 3.0 m long, 17.0 mm diameter with copper bonding thickness of min 250 micron and UL listed and marked -1 No.(b) Earth Enhancement compound supplied in sealed bags of	Set	120.00	₹ 15,947	₹ 19,13,652

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		min 30-35 Kg.- 1 No. (c) Copper Strip of 200mm x 25mm x 6mm to exothermically welded to Earth electrode- 1 No.(d) Copper Strip of 300mm x 25mm x 6mm (MEEB)- 1 No.(e) Copper Strip of 150mm x 25mm x 6mm (SEEB)- 1 No. It also includes supply of (i) 35 Sq. mm Multi- strand Single Core PVC insulated Copper Connector as per IS:694 for connecting Main Earth Electrode to MEEB in the equipment room in duplicate.-10 meter (ii) 16 Sq. mm Multi-strand Single Core PVC insulated Copper Connector as per IS:694 for connecting MEEB to SEEB and SPDs to MEEB.-10 meter (iii) 10 Sq. mm Multi- strand Single Core PVC insulated Copper Connector as per IS:694 for connecting various equipment to SEEB-10 meter.				
B1 - S&T SUPPLY SOR	14010 900	Supply of basic material to construct Maintenance Free Earth for Ring Earth consisting as per Specification No. RDSO/SPN/197/201 6 Ver 1.0 or latest, bonding	Set	115.00	₹ 11,351	₹ 13,05,342

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		connections drawing no. SDO/RDSO/E&B/002 or latest. (a) Copper bonded steel electrodes of 3.0 m long, 17.0 mm dia. minimum with copper bonding thickness of min 250 micron and UL listed and marked -1 No. (b) Earth Enhancement compound supplied in sealed bags of min 30-35 Kg.- 1 Nos. (c) Copper Strip of 200mm x 25mm x 6mm to exothermically welded to Earth electrode- 1 No. (d) Copper Strip of 300mm x 25mm x 6mm (MEEB)- 1 No. (e) Copper Strip of 150mm x 25mm x 6mm (SEEB)- 1 No.				
B1 - S&T SUPPLY SOR	14011000	Supply of 50 mm x 6 mm Galvanised steel tape for interconnecting the earth pits.	Metre	450.00	₹ 501	₹ 2,25,585
B1 - S&T SUPPLY SOR	14011200	Supply of 25mm x 2 mm bare copper strips or 8mm round solid copper in the equipment room.	Metre	450.00	₹ 1,132	₹ 5,09,490
B1 - S&T SUPPLY SOR	14011700	Supply of Copper Tape of size 25x6 mm for Bonding ring conductor to be mounted on insulated standoff.	Metre	580.00	₹ 824	₹ 4,77,630

RAILTEL

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	14012 400	Supply of Class B & C Surge protection Device (SPD) -Type I & II with Visual Indication and Potential free contact to remote monitoring as per Specification No. RDSO/SPN/165/2023 Ver 4.0 or latest and IEC standard 61643 or latest and IEC 62304-5 or latest for Single phase 230V AC application with handling Lightning surges of 10/350 microseconds and Switching surges of 8/20 microseconds .One Set consists of 3 nos. of SPD (2 No. of B Class (L-N, N- E) and one no. of C Class (L-N) all enclosed in a Box with KEMA or VDE certified as per latest IEC 61643-11- 2011 Standard or latest. Class B & C Surge protection device required with Three modules only.	Set	105.00	₹ 5,406	₹ 5,67,662
B1 - S&T SUPPLY SOR	14012 600	Supply of Class C, Type 2 Protection for 60-100V AC/DC supply as per Clause No.3.11.2 of Specification No. RDSO/SPN/165/2023 Ver 4.0 or latest. The Class C shall be with pluggable type, with indication and potential free contact. The supplier should submit OEM	Numbers	58.00	₹ 804	₹ 46,615

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		certificate, KEMA, UL Certificate with the material, for connection between L1-L2, L1-E & L2-E.				
B1 - S&T SUPPLY SOR	14012 700	Supply of Class C, Type 2 Protection for 24-60V AC/DC supply as per clause No.3.11.2 of Specification No. RDSO/SPN/165/202 3 Ver 4.0 or latest. The Class C shall be with pluggable type, with indication and potential free contact. The supplier should submit OEM certificate, KEMA, UL Certificate with the material, for connection between L1-L2, L1-E & L2-E.	Numbers	28.00	₹ 804	₹ 22,504
B1 - S&T SUPPLY SOR	14012 800	Supply of Earth Enhancement material for treatment of earth pits as per Specification No. RDSO/SPN/197/201 6 Ver 1.0 or latest.	Kg	600.00	₹ 133	₹ 79,920
B1 - S&T SUPPLY SOR	14013 200	Supply of Earth Leakage Detector (ELD) - 8 channels as per Specification No. RDSO/SPN/ 256/2002 or latest.	Set	18.00	₹ 86,146	₹ 15,50,632
B1 - S&T SUPPLY SOR	16010 100	Supply of High back revolving chair. Model: PCH 5001T, Make: Godrej or better.	Numbers	18.00	₹ 8,684	₹ 1,56,314
B1 - S&T SUPPLY SOR	16010 400	Supply of multipurpose Computer chair. Model: CH-7B. Make: Godrej or better.	Numbers	48.00	₹ 3,558	₹ 1,70,770

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	16010 700	Supply of Steel Table with sunmica Top with storage on both sides Unitised table. Model: T-9. Make: Godrej or better.	Numbers	19.00	₹ 21,141	₹ 4,01,679
B1 - S&T SUPPLY SOR	16010 900	Supply of Storwel plain 4 shelf almirah of size 1980 mm X 915 mm X 485 mm). Make: Godrej or better.	Numbers	19.00	₹ 22,822	₹ 4,33,622
B1 - S&T SUPPLY SOR	17010 100	Supply of cable fault locator complete with all necessary accessories including rechargeable battery pack and charger Liquid Crystal Display (LCD) with back light. Low Insulation Faults Mode Max. Range: 20 Km etc. Make - Radiodetection/Stanley/3M or better.	Numbers	2.00	₹ 1,43,725	₹ 2,87,449
B1 - S&T SUPPLY SOR	17010 200	Supply of Cable route tracer with GPS enable 10 Watt transmitter, rechargeable battery pack and main charger, direct connection lead 10 meter extension cable with all other accessories. Make- Radiodetection/Stanley/3M or better.	Numbers	2.00	₹ 3,22,413	₹ 6,44,827
B1 - S&T SUPPLY SOR	17010 600	Supply of Auto single fibre fusion splicer machine with all related accessories and power supply backup arrangement. Make:	Numbers	2.00	₹ 2,35,063	₹ 4,70,126

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		Fuzikura/Sumitomo/Stanley or better.				
B1 - S&T SUPPLY SOR	17010 700	Supply of Optical Time Domain Reflectometer (OTDR) as per TEC Spec No. : TEC/GR/TX/OTD00 1/05/SEP-19 or latest. Make- Yokogawa/ Fuzikura/ Sumimoto or better.	Numbers	2.00	₹ 2,05,315	₹ 4,10,630
B1 - S&T SUPPLY SOR	17010 800	Supply of Standing wave power meter for measurement of RF power and SWR in 5 watt and 25 watt VHF set frequency range 1.8 to 200 MHz with UHF female connector with connecting cable for measurement of power and Dummy load. Make - Nissei/Diamond or better.	Numbers	2.00	₹ 16,590	₹ 33,179
B1 - S&T SUPPLY SOR	17011 000	Supply of Insulation tester 500V, 100 Mega ohm complete in leather case and testing probes (Hand Generating Type). Make: Waco-WI 104/Nippen/Fluke/ Motwane or better.	Numbers	6.00	₹ 2,969	₹ 17,815
B1 - S&T SUPPLY SOR	17011 100	Supply of Insulation tester 100V, 100 Mega ohm with lead cables, Analog Display, metal body hand driven. Make: Waco/Nippen/Fluke/ Motwane or better.	Numbers	6.00	₹ 2,718	₹ 16,308

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	17011 200	Supply of Digital Earth Resistance meter with inbuilt rechargeable battery 3.5 digit LCD display, testing range 0.01 ohm to 2000 ohm & all accessories as four spikes, suitable length cable (10 meter, 20 meter, 30 meter, 40 meter) on winder, battery charger, carrying bag, operating manual, hammer etc. Make: Motwane/Metravi/Waco/Stanley or better.	Numbers	6.00	₹ 7,461	₹ 44,766
B1 - S&T SUPPLY SOR	17011 300	Supply of Earth Tester (Analog 4 terminal) Range 0-10/0-100 ohm with accessories. Make: Motwane/Metravi/Waco/Stanley or better.	Numbers	6.00	₹ 4,371	₹ 26,228
B1 - S&T SUPPLY SOR	17011 400	Supply of True RMS electronic logging Multimeter with trend capture as per specification to make - Fluke 287 or better.	Numbers	12.00	₹ 21,605	₹ 2,59,254
B1 - S&T SUPPLY SOR	17011 500	Supply of 4 digit Backlit LCD Hand Held True RMS Clamp Meter with iFlex as per specification to make - Fluke 376 FC or better.	Numbers	12.00	₹ 36,977	₹ 4,43,729
B1 - S&T SUPPLY SOR	17011 600	Supply of Digital Multimeter as per specification to make - Fluke 87V or better.	Numbers	12.00	₹ 28,130	₹ 3,37,554

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B1 - S&T SUPPLY SOR	19011 800	Supply of MCB 1X63A,230/416V, DP, complete with HRC type back up fuses with indication, housed in a weather proof MS box suitable for fixing on AT mast with powder coating paint. Make of MCB: L&T/Siemens/ABB/Havells or better.	Set	30.00	₹ 4,488	₹ 1,34,649
B1 - S&T SUPPLY SOR	19012 000	Supply of C series MCB 2 POLE 32 AMP with metal enclosure. Make: Schneider/Legrand/L &T/Havells.	Numbers	64.00	₹ 559	₹ 35,770
B3 - Telecom Supply SOR	18010 100	Supply of managed SDH (STM-1 Add/Drop MUX and upgradeable to STM-4) fully wired for 2 X 63 MB and equipped for 21E1s and a virtual container (VC-12) with STM1 (L1.1) aggregate interface including power supply, order wire, Ethernet card, sub rack, inbuilt DDF, installation material and all other accessories, manuals etc. as per TEC. Specification GR SDH 04/02, March 02 or latest. The contractor will supply all other accessories as mentioned in the above said TEC Specifications and system will have provision of different redundancy cards	Numbers	6.00	₹ 1,81,507	₹ 10,89,040

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		as per the TEC Specifications. Note: It shall be possible to increase capacity from 21E1 to 63 E1s by adding / inserting tributary cards. This includes connecting all pig tails, optical patch cords etc. to the SDH equipment. This also includes connecting the SDH equipment with all cards to the 48V Bus including supply of wires and connectors. Termination of all E1s on DDF taking PVC cable over runway or a wall. At the terminal station, one port may be disabled if required as per instructions given by site engineer incharge.				
B3 - Telecom Supply SOR	18010500	Supply of 2 MB programmable Primary Digital Drop/Insert multiplexer with conference facility as per RDSO Specification No. IRS: TC-68/2012 Amd.1 or latest wired for 30 Circuits complete with power supply, Control and Basic/Common cards, Remote control supervision facility and all other accessories etc. The mux shall be equipped with following interface	Numbers	6.00	₹ 1,36,585	₹ 8,19,509

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		cards A) 2W/4W E&M interface card (4 ckts per card)-04 Nos. B) FXO Exchange loop interface card (4 ckts per card)-2 Nos. C) FXS Subscriber interface card (4 ckts per card)-02 Nos.				
B3 Telecom Supply SOR	- 18010700	Supply & transportation of 48V/50 A SMPS based power plant in 2+1 configuration using 3 Nos. of 48V/25A modules to charge the VRLA battery bank of 48V/200AH or 48V/300AH with lightening & surge protection as per Specification No. RDSO/SPN/TC/23/1 999 Ver.4 Amnd.1 or latest.	Numbers	6.00	₹ 69,025	₹ 4,14,148
B3 Telecom Supply SOR	- 18011100	Supply of 4 wire DTMF Way station equipment as per Specification No. IRS: TC 60/2007 Amd.1 or latest with 4 wire Control telephone as per Specification No. IRS-TC 38/97 Amd.2 or latest.	Numbers	36.00	₹ 3,684	₹ 1,32,613
B3 Telecom Supply SOR	- 18011200	Supply of Power Supply Unit for Way Station DTMF Telecom installations as per the RDSO Specification. IRS/TC/72/97 or latest with 12V/7AH. Make: Indisco/Epsilon/Benton or better	Numbers	12.00	₹ 3,507	₹ 42,088

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B3 - Telecom Supply SOR	18011 500	Supply, Installation and Commissioning of GPS synchronized double sided [LED] type digital platform clock with white coloured LED as per RDSO specification No. RDSO/SPN/TC 62/2008 Rev 4.0 or latest with all required accessories.	Numbers	6.00	₹ 39,288	₹ 2,35,726
B3 - Telecom Supply SOR	18011 700	Supply of 25 Watt Transceiver VHF as per RDSO specification RDSO/SPN/TC/107-2018, Ver 2.1 or latest. The Other details are as under, Band: 146-174 MHz Full band along with 6dB gain GP antenna suitable for the 25 watt VHF set with minimum 30 meter. RG-217 Co-axial Cable with both end Connectors suitable with the VHF set, SMPS based Power supply unit, 12 Volt DC minimum 96 AH of Ni Mh/Li-ion/VRLA. Make: Motorola/Kenwood or better.	Set	6.00	₹ 32,144	₹ 1,92,861
B3 - Telecom Supply SOR	18011 900	Supply of Walkie-Talkie as per RDSO specification RDSO/SPN/TC/107-2018, Ver 2.1 or latest. The Other details are as under, (i) Trans Receiver hand held 5 watt VHF Set along with rapid charger of single position &	Set	30.00	₹ 12,822	₹ 3,84,669

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		one set spares battery pack, spring action belt clip, helical antenna, user and operation manual, single unit. Make - Motorola/Kenwood or better.				
B3 - Telecom Supply SOR	18012 000	Supply of Helical Antenna for 5 watt VHF set as per RDSO/SPN/TC/107-2018 Ver 2.1 or latest. Make- Motorola/Kenwood or better.	Numbers	6.00	₹ 176	₹ 1,058
B3 - Telecom Supply SOR	18012 200	Supply of Thermo-shrink jointing (TSF) kits for jointing underground Quad cable of size 0.9mm/1.4mm diameter conductor for straight/condenser/Y - (Derivation)/Loading Coil/Transformer Joints as per Specification No. IRS-TC- 77/2012 Rev.3 with Amd. 3.0 or latest.	Numbers	120.00	₹ 3,064	₹ 3,67,632
B3 - Telecom Supply SOR	18012 800	Supply of Fibre Distribution Management system (FDMS)/LIU for 24 Fiber complete with all accessories such as patch cord & pigtail etc. as per TEC Spec. GR/FDM/01/02 April'2007 or latest. This includes supply of installation accessories as per	Numbers	12.00	₹ 3,280	₹ 39,355

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		technical specification.				
B3 Telecom Supply SOR	18013 000	Supply of Fibre Distribution Management system (FDMS)/LIU for 48 Fiber as per drawing No: RDSO/TCDO-170(a) or latest complete with all accessories such as patch cord & pigtail etc. as per TEC Spec. GR/FDM/01/02 April'2007 or latest. This includes supply of installation accessories as per technical specification.	Numbers	12.00	₹ 8,555	₹ 1,02,654
B3 Telecom Supply SOR	18013 300	Supply of 24 Fiber OFC Joint Closure as per Specification No. RDSO/SPN/TC/68/2014 Rev 1.0 or latest complete with all accessories including sealing with mechanical clamp facility.	Numbers	24.00	₹ 1,681	₹ 40,349
B3 Telecom Supply SOR	18014 200	Supply of 20 Pair CT box made of 16 SWG CRC sheet with disconnection and reconnection (wago type). The CT Box should be grey colour powder coated with terminal, washer, nut & bolt should be of brass. There shall also be locking arrangement.	Numbers	48.00	₹ 3,239	₹ 1,55,477

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B3 - Telecom Supply SOR	18014 400	Supply of covered 19" racks 42 U complete with all fitting for housing the subrack SDH ADMs & PD Mux or other equipments as per instruction of Railway Engineer fully wired including, Power supply distribution system, DDF, Internal wiring and other accessories, runway ladder etc. or for other application. The components of the rack are specified below- (i) Rack size 2035 HX 600 WX 600 D (ii) Fixed side panels 42U X 600 D (iii) Front glass door plain 42U X 600D (iv) Rear MS door plain 42 U X 600W (v) Levelling screws-4 Nos. (vi) Compact Fan Module working with 48 V DC or other voltage - 2 Nos. (vii) Earth connecting kit-1 No. (viii) Cable manager with cable loops-2 Nos. (ix) Krone mounting bracket-01 No (x) Caster with breaks-2Nos (xi) 20" length 1" width 5 mm thickness copper strip with 12 Nos. of holes including SS bolts & nuts for every hole to connect cables-2 Nos. (xii) 10A single pole DC	Numbers	6.00	₹ 32,323	₹ 1,93,936

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		MCB-2 Nos. (xiii) 6 A single pole DC MCB-2 Nos etc.				
B3 - Telecom Supply SOR	18014 800	Supply of 9U Rack with 19 inch standard dimension, wall mounting, front glass door with lock and two key, with rack fixing Multi point AC power strip, cable organiser with wall fixing screws. Make: CP Plus, D-Link, or better	Numbers	12.00	₹ 5,538	₹ 66,452
B3 - Telecom Supply SOR	18014 900	Supply of 6U Rack with 19 inch standard dimension, wall mounting, front glass door with lock and two key, with rack fixing Multi point AC power strip, cable organiser with wall fixing screws. Make: CP Plus, D-Link, or better	Numbers	12.00	₹ 3,745	₹ 44,939
B3 - Telecom Supply SOR	18015 600	Supply, Installation & Commissioning of industrial grade 04 Port Router as per Specification No. RDSO/SPN/TC/84/2 008 or latest with accessories.	Numbers	6.00	₹ 53,819	₹ 3,22,915
B3 - Telecom Supply SOR	18015 700	Supply of 16 Port 1G PoE Unmanaged layer 2 Switch fully	Numbers	12.00	₹ 13,312	₹ 1,59,743

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		loaded with minimum 16 port 10/100/1000 Mbps ethernet, two 1G SFP port module, Support IEEE802.3af/ IEEE802.3at standards. Make- Netgear/Zyxel/Juniper or better				
B3 Telecom Supply SOR	- 18015 800	Supply of 24 port L-2 Non-PoE switch with 2 SFP ports with 3 years warranty complying Specification No. RDSO/SPN/TC/83/2 020 Rev.2.0 or latest. Make: Cisco or similar.	Numbers	9.00	₹ 24,821	₹ 2,23,390
B3 Telecom Supply SOR	- 18016 100	Supply of 10/100/1000mbps Media Converter (Single mode 20kms) with power adopters & others as per Specification No. RDSO/SPN/TC/103/ 2013 Rev.2 or latest.	Numbers	24.00	₹ 3,214	₹ 77,134
B3 Telecom Supply SOR	- 18016 300	Supply of 2 MBPS Leased Line Modem as per Specification No. RDSO/SPN/TC/80/2 020 Rev.2.0 or latest. Each pair consists of one G.703 & V.35 Unit.	Pair	6.00	₹ 16,310	₹ 97,859
B3 Telecom Supply SOR	- 18016 400	Supply of Desk type Electronic Magneto Telephone (DTMF) as per Specification No. IRS: TC/79/2000 with amd 4.0 or latest.	Numbers	35.00	₹ 2,626	₹ 91,917

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
B3 - Telecom Supply SOR	18016700	Supply of VF Transformer (1120:470/1120:1120/470:470/470:600/1200:600 Ohm) as per Specification No. IRS-TC-76/2021 Ver 1.0 or latest (Cylindrical type) or IRS/TC/22/ 2021 Ver 1.1 or latest (Rectangular type).	Numbers	45.00	₹ 969	₹ 43,619
B3 - Telecom Supply SOR	18017400	Supply of 10m long OFC patch cord single mode simplex of different configuration SC-FC/LC-LC/LC-FC/LC-SC/SC-SC/FC-FC etc.	Numbers	75.00	₹ 308	₹ 23,085
B3 - Telecom Supply SOR	18017900	Supply of High power 250 W PA amplifier. The specification is as under, a) Power Output - 300W max. 250 W RMS, b) Speaker Output - 4 ohms, 8 ohms, 70V & 100V, c) Input channel - 6 mic, 2 Aux, 1 line, d) SNR - 60 dB. Make: Ahuja model No. SSA 250M or similar.	Numbers	6.00	₹ 18,540	₹ 1,11,240
B3 - Telecom Supply SOR	18018500	Supply of Horn Type Speaker of having power rating of 30 W RMS, 45 W.	Numbers	30.00	₹ 1,891	₹ 56,727
B3 - Telecom Supply SOR	18018600	Supply of wired/wireless microphone (25m range) with other accessories to make functional. Make: Ahuja or similar. Note: For wired microphone, table top having 250mm goose-neck length & sufficient cable	Numbers	6.00	₹ 3,455	₹ 20,731

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		length to connect with amplifier.				
B3 Telecom Supply SOR	18019 300	Supply of UTP CAT - 6 cable, having bare Copper Conductor of diameter 0.5 mm, Suitable for Gigabit Ethernet TEC Specification No. G/WIR 06/02 or latest.	Metre	1,225.00	₹ 15	₹ 18,743
B3 Telecom Supply SOR	18019 400	Supply of RJ-45 connector. Make: D-link or better.	Numbers	300.00	₹ 5	₹ 1,620
B3 Telecom Supply SOR	18019 500	Supply of Push button telephone single with caller id facility. Make: Beutel M 53/ Binatone Concept 700/Panasonic KXTX 880MX or better.	Numbers	60.00	₹ 806	₹ 48,384
B3 Telecom Supply SOR	18019 700	Supply of single push button FCT (Fixed cordless telephone) telephone. Make: VISION TEK 81G/SIMADO FX 11/ AEGIS or similar.	Numbers	12.00	₹ 2,813	₹ 33,750
B3 Telecom Supply SOR	18024 500	Supply of DDF (120 Ohms) for terminating 16 E1s of wrapping type and mountable on 19" rack.	Numbers	12.00	₹ 2,233	₹ 26,795
B3 Telecom Supply SOR	19011 300	Supply of 25 mm (1 inch) PVC conduit pipe rigid plain ended conduit size IS:9537 (part-3) or latest and 9537 (Part-1) 1980 with latest amendment ISI marked with minimum 1.2 mm wall thickness & minimum one	Metre	1,800.00	₹ 24	₹ 43,740

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		socket at every 3 meter pipe.				
B4 - SUPPLY & EXECUTION OF RDPMS SOR	15011 600	Supply of Field IoT Devices/Field Transmission Unit (FTU) with basic Functioning of capturing the parameters from the field gears like DC track Circuit, AFTC, Axle Counters, Signals, point Machines, LC Gate etc. with communication hardware to transmit the data to the station gateway system in any variant or combinations of channels in FTU 's/ Field IoT Devices with sum of combinations of all channels of various FTU's/ Field IoT Devices across the station/LC/IBS/ABS confirming to FRS RDSO/RDPM/FRS/2021 dated 06.05.2021 or latest. Field IoT device shall support minimum 8 channels. Note: Per function means per channel.	Per function	230.00	₹ 4,903	₹ 11,27,736
B4 - SUPPLY & EXECUTION OF RDPMS SOR	15011 700	Supply of non-intrusive type current sensors Variant: 0-1 Amp DC/0-10 Amp DC /0-1A AC or as per user requirements	Numbers	6.00	₹ 5,236	₹ 31,417

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		conforming RDSO/RDPM/FRS/2021 dates 06.05.2021 or latest. Note: The sensors can be external or can be mounted/integrated in the IoT Device.				
B4 - SUPPLY & EXECUTION OF RDPMS SOR	15011800	Supply of galvanically isolated voltage transducers or voltage sensor or voltage sensing channel with high impedance and minimum circuit loading (in no case shall be more than 5 mA), Variant: 0-10 V DC/ 0-50 V DC/ 0-150 V DC, 0-150 V AC or as per user requirements conforming RDSO/RDPM/FRS/2021 dates 06.05.2021 or latest Note: The sensors or Voltage sensing channel can be external or can be mounted/integrated in the IoT Device.	Numbers	6.00	₹ 5,210	₹ 31,261
B4 - SUPPLY & EXECUTION OF RDPMS SOR	15012000	Supply of vibration sensors for point machine as per RDSO/RDPM/FRS/2021 dates 06.05.2021 or latest.	Numbers	6.00	₹ 7,597	₹ 45,581
B4 - SUPPLY & EXECUTION OF RDPMS SOR	15012200	Installation, Testing and Commissioning of FTU's/ Field IoT Devices totalling per channels of Current / Voltage. It also includes supply of all sundry items required for fixing, cable termination, wiring materials,	Per function	72.00	₹ 428	₹ 30,845

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		connector etc. Note: Per function means per channel.				
B4 - SUPPLY & EXECUTION OF RDPMS SOR	15012 300	Installation, Testing & Commissioning of RDPMS Indoor equipment including supply of all accessories, wiring materials, connectors, etc required.	Per IBH/LC/ST N/Auto section	3.00	₹ 72,080	₹ 2,16,240
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	1	Universal Terminal Block with bolt connection, Cross section 6-25 Sq.mm.	Numbers	170.00	₹ 718	₹ 1,22,092
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	2	Universal Terminal Block with bolt connection, Cross section 35-95 Sq.mm.	Numbers	115.00	₹ 1,154	₹ 1,32,656
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	4	Maintenance Console i.e. Supply & installation of Desktop computer intel Core i5 9500, 8 GB RAM, 9th generation, Total HDD capacity (GB) 1000, LED, Backlit Monitor size (Inch) 21.5, on site on OEM Warranty (5 Year)	Numbers	2.00	₹ 39,528	₹ 79,056
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	5	Supply of 63A DPDT switch.	Numbers	36.00	₹ 6,834	₹ 2,46,020
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	6	Supply of IOT device for sensing 110V DC Battery bank parameters including current and voltage transducers as per RDSO/RDPM/FRS/2	Numbers	6.00	₹ 1,46,475	₹ 8,78,850

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
		021 dates 06.05.2021 or latest				
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	7	Supply of Microprocessor based interface for SSDAC/HASDAC to monitor upto 8 ports of DAC reset boxes in SM Room.	Numbers	6.00	₹ 1,41,750	₹ 8,50,500
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	8	Supply of Microprocessor based interface for MSDAC to monitor reset boxes in SM Room.	Numbers	6.00	₹ 1,55,925	₹ 9,35,550
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	9	Supply of station gateway equipment system with Edge Computing to receive data from various IOT Devices in field and Relay Room/Equipment Room as per RDSO/RDPM/FRS/2021 dated 06.05.2021 or latest	Station	6.00	₹ 3,92,175	₹ 23,53,050
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	10	Supply of Maintenance Monitoring System for RDPMS with 55 inch monitor and i5 processor, 2 TB storage and 16 GB RAM (Inspection: Consignee)	Numbers	5.00	₹ 1,55,925	₹ 7,79,625
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	11	Installation, Testing and Commissioning of IOT device for sensing 110V DC Battery bank parameters including current and voltage transducers as per RDSO/RDPM/FRS/2021 dated 06.05.2021 or latest	Numbers	5.00	₹ 22,050	₹ 1,10,250
B5 - Miscellaneous S&T	12	Testing & Commissioning of Microprocessor	Numbers	5.00	₹ 10,800	₹ 54,000

Sch Name	Item No	Description of Item	Unit	Qty	Unit rate	Total Amount
Supply & Execution- NON-SOR		based interface for SSDAC/HASDAC/M SDAC to monitor up to 8 pots of DAC reset boxes.				
B5 - Miscellaneous S&T Supply & Execution- NON-SOR		Supply of RDPM Software per station and it includes configuration and mapping of gear wise signalling information in remote diagnostic software	Nos.	6.00	₹ -	₹ -
B5 - Miscellaneous S&T Supply & Execution- NON-SOR		Installation, testing and commissioning of maintenance Monitoring system	Nos.	6.00	₹ -	₹ -
B5 - Miscellaneous S&T Supply & Execution- NON-SOR	13	"sumer axis Aluminium Single Pole Platform step ladder, Capacity 70 kilogram. Normal Size(height without elongation) 3 foot,Maximum Load Capacity(kg)- 70 kilogram, Maximum Reach Height- 21 foot, No of Rung- 16, Step Width- 2.5 inch, Number of step- 8, Type-single Pole, Approx Wt- 12 kilogram,Width- 17.5 inch, Material- Aluminium."	Numbers	18.00	₹ 8,820	₹ 1,58,758
Total						₹ 18,74,92,501.00

RAILTEL

Annexure – 13 - Undertaking on Exit Management and Transition**(On the Partner's Letterhead)**

TENDER Ref. No:

Date:

To,

The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN,
Sector V, Bidhannagar, Kolkata, West
Bengal 700091

Dear Sir/Madam,

Sub: Undertaking on Exit Management and Transition

1. I/We hereby undertake that at the time of completion of our engagement with RCIL, either at the End of Contract or termination of Contract before planned Contract Period for any reason, we shall successfully carry out the exit management and transition of this Project to RCIL or to an agency identified by RCIL to the satisfaction of RCIL. I/We further undertake to complete the following as part of the Exit management and transition:
 - a. We undertake to complete the updating of all Project documents and other artefacts and handover the same to RCIL before transition.
 - b. We undertake to design standard operating procedures to manage system (including application and IT systems), document the same and train Customer personnel on the same.
 - c. If RCIL decides to take over the operations and maintenance of the Project on its own or identifies or selects any other agency for providing operations & maintenance services on this Project, then we shall provide necessary handholding and transition support, which shall include but not be limited to, conducting detailed walkthrough and demonstrations for the IT Infrastructure, handing over all relevant documentation, addressing the queries/clarifications of the new agency with respect to the working / performance levels of the ICT components , conducting Training sessions etc.
2. I/We also understand that the Exit management and transition will be considered complete on the basis of approval from RCIL.

Yours sincerely,

(Seal & Signature of the Authorized signatory of the System Integrator)

Name:

Place:

Designation:

Date

Annexure 14: Declaration – Exclusivity of Participation

EOI Ref No.

Date:

To,

The Principal Executive Director
RailTel Corporation of India Ltd. 19th Floor,
Aurora Waterfront, opposite NALBAN, Sector V,
Bidhannagar, Kolkata, West Bengal 700091

Sub: Exclusive pre-RFP partnership arrangement with Empaneled business associate of RailTel for participating in the end customer RFP.

We, M/s <Name and Address of Partner> will not submit directly or indirectly our 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).

Note: This undertaking has to be given with this EOI Response.

Yours sincerely,

(Seal & Signature of the Authorized signatory of the System Integrator)

Name:

Designation:

Place:

Date:

Note:

This Annexure is applicable only in case RailTel is participating against end customer RFP/Tender/EOI. This will not be required in case RailTel is submitting a proposal without any tender.

Annexure 15**Integrity Pact Program**

RailTel has adopted Integrity Pact Program and for implementation thereof all TENDER/EOIs relating to procurement of OFC, quad cable, pre-fab shelters, electronic equipment and its installation and/or commissioning etc and other item(s) or activity/activities proposed to be carried out or required by the Company for the value exceeding Rs. 15 crores at a time including for repair and maintenance of cable/network and any other items required for special works assigned to RailTel/REL will be covered under the Integrity Pact Program and the vendors are required to sign the IP document and submit the same to RailTel/REL before or along with the bids.

- a) Only those vendors who have purchased the EOI/TENDER document and signed the IP document can send their grievances, if any, to the Independent External Monitors (IEMNs) through the nodal officer, i.e. Chief Vigilance Officer (CVO), RailTel.

Name of IEMs and contact details:

- | | |
|------------------------------|---|
| 1. Shri. Dinesh Kumar Batra | E-Mail: dineshbatra11@gmail.com M.No. +91-9871294565 |
| 2. Shri. Mukesh Mittal | E-Mail: mukeshmittal6045@gmail.com M.No. +91-8586889911 |
| 3. Shri Bipin Bihari Mallick | E-Mail: bipinmallick@gmail.com M.No. +91-9968150900 |

Name & contact details of Nodal Officer (IP) in RailTel:

Chief Vigilance Officer, RailTel Corporation of India Ltd
6th Floor, Office Block Tower-2, NBCC Complex, East Kidwai Nagar, New Delhi-110023
E-Mail: cvo@railtelindia.com

- b) If the order, with total value equal to or more than the threshold value, is split to more than one vendor and even if the value of PO placed on any/each vendor(s) is less than the threshold value, IP document having been signed by the vendors at bid stage itself, the Pact shall continue to be applicable.
- c) Partner of Indian origin shall submit the Integrity Pact (in 2 copies) on a non-judicial stamp paper of Rs. 100/- duly signed by the person signing the bid. If the partner is a partnership or a consortium, the Integrity Pact shall be signed by all the partners or consortium members.
- d) Partner of foreign origin may submit the Integrity Pact on its company's letterhead, duly signed by the person signing the bid.
- e) The 'Integrity Pact' shall be submitted by the Partner duly signed in all pages along with the Bid in a separate envelope, duly superscripted with 'Integrity Pact'. Response received without signed copy of the Integrity Pact document will be liable to be rejected. Proforma for signing the Integrity Pact is available in Annexure-15 of this EOI document.
- f) One copy of the Integrity Pact shall be retained by RailTel and the 2nd copy will be issued to the representative of the partner during bid opening. If the Partners representative is not present during the Bid opening, the 2nd copy shall be sent to the partner by post/courier.
- g) The Integrity Pact is applicable in this EOI vide CVC circular no. 10/05/09 dated 18.05.09 and revised guideline of CVC circular no. 015/VGL/091 dated 13.01.17 or the latest updated from time to time shall be followed.

PROFORMA FOR “SIGNING THE INTEGRITY PACT”

RailTel Corporation of India Limited, hereinafter referred to as “The Principal”.

AND

....., hereinafter referred to as “The Partner/ Contractor”

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s forThe Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Partner(s) and /or Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the EOI process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

1. The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
 - a. No employee of the Principal, personally or through family members, will in connection with the EOI 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 EOI process treat all Partner(s) with equity and reason. The Principal will in particular, before and during the EOI process, provide to all Partner(s) the same information and will not provide to any Partner(s) confidential/additional information through which the Partner(s) could obtain an advantage in relation to the process or the contract execution.
 - c. The Principal will exclude from the process all known prejudiced persons.
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 if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2- Commitments of the Partner(s) / Contractor(s)

1. The Partner(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the EOI process and during the contract execution.
 - a. The Partner(s)/contractor(s) will not, directly or through any other persons or firm, offer promise or give to any of the Principal's employees involved in the EOI 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 during EOI process or during the execution of the contract.
 - b. The Partner(s)/Contractor(s) will not enter with other Partners into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices,

specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

- c. The Partner(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Partner(s) /Contractors will not use improperly, for purposes of competition 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 Partner(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the partner(s)/contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Partner(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only.
 - e. The Partner(s)/Contractor(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.
2. The Partner(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3: Disqualification from EOI process and exclusion from future contracts

If the Partner(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Partner(s)/Contractor(s) from the EOI process or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings". Copy of the "Guidelines on Banning of business dealings" is annexed and marked as Annex-"B".

Section 4: Compensation for Damages

1. If the Principal has disqualified the Partner(s) from the EOI process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.
2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to be terminated the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5: Previous Transgression

1. The Partner declares that no previous transgressions occurred in the last three years with any other company in any country conforming to the anti-corruption approach or with any other public sector enterprise in India that could justify his exclusion from the EOI process.
2. If the partner makes incorrect statement on this subject, he can be disqualified from the EOI process for action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings".

Section 6: Equal treatment of all Partners / Contractors/Subcontractors.

1. The Partner(s)/Contractor(s) undertake(s) to demand from all subcontractors 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 partners, contractors and subcontractors.
3. The Principal will disqualify from the EOI process all partners who do not sign this Pact or violate its provisions.

Section 7: Criminal charges against violation by Partner(s) / Contractor(s) / Sub contractor(s)

If the Principal obtains knowledge of conduct of a Partner, Contractor or Subcontractor, or of an employee or a representative or an associate of a Partner, Contractor 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.

Section 8: Independent External Monitor / Monitors

1. The Principal appoints competent and credible Independent External Monitor for this Pact. 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 Partner(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all project documentation of the Principal including that provided by the Contractor. The Contractor 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. The Monitor is under contractual obligation to treat the information and documents of the Partner(s)/ Contractor(s)/Subcontractor(s) with confidentiality.
4. 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 Contractor. The parties offer to the Monitor the option to participate in such meetings.
5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other 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.
6. The Monitor will submit a written report to the CMD, RailTel within 8 to 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.
7. Monitor shall be entitled to compensation on the same terms as being extended to provided to Independent Directors on the RailTel Board.

8. If the Monitor has reported to the CMD, RailTel, a substantiated suspicion of an offence under relevant IPC/PC Act, and the CMD, RailTel has not, within the reasonable time taken visible action to proceed against such offence or reported it to 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.

Section 9: Pact Duration

This pact begins when both parties have legally signed it. It expires for the Contractor 10 months after the last payment under the contract, and for all other Partners 6 months after the contract has been awarded.

If any claim is made / lodged by either party 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.

Section 10: Other Provisions

1. This agreement 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 Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(For & on behalf of the Principal)
(Office Seal)

(For & On behalf of Partner/Contractor)
(Office Seal)

Place _____

Date _____

Witness 1:

(Name & Address)

Witness 2:

(Name & Address)

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RAILTEL

Annexure-A to the Integrity Pact**GUIDELINES FOR INDIAN AGENTS OF FOREIGN SUPPLIERS**

1.0 There shall be compulsory registration of agents for all global (Open) Tender and Limited Tender. An agent who is not registered with RailTel Units shall apply for registration in the prescribed Application -Form.

1.1 Registered agents will file an authenticated Photostat copy duly attested by a Notary Public/ Original certificate of the principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/ remuneration/ retainer-ship being paid by the principal to the agent before the placement of order by RailTel.

1.2 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order.

2.0 DISCLOSURE OF PARTICULARS OF AGENTS/ REPRESENTATIVES IN INDIA, IF ANY.

2.1 Tenderers of Foreign nationality shall furnish the following details in their offer:

2.1.1 The name and address of the agents/representatives in India, if any and the extent of authorization and authority given to commit the Principals. In case the agent/representative be a foreign Company, it shall be confirmed whether it is real substantial Company and details of the same shall be furnished.

2.1.2 The amount of commission/ remuneration included in the quoted price(s) for such agents/representatives in India.

2.1.3 Confirmation of the Tenderer that the commission/ remuneration if any, payable to his agents/ representatives in India, may be paid by RAILTEL in Indian Rupees only.

2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:

2.2.1 The name and address of the foreign principals indicating their nationality as well as their status, i.e, whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents/representatives.

2.2.2 The amount of commission /remuneration included in the price(s) quoted by the tenderer for himself.

2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/ remuneration, if any, reserved for the Tenderer in the quoted price(s), may be paid by RAILTEL in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.

2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission/ remuneration, if any payable to the

agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.

2.4 Failure to furnish correct and detailed information as called for in paragraph 2.0 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by RAILTEL. Besides this there would be a penalty of banning business dealings with RAILTEL or damage or payment of a named sum.

Annexure-B to the Integrity Pact

GUIDELINES ON BANNING OF BUSINESS DEALINGS

S. No.	Description
1	Introduction
2	Scope
3	Definitions
4	Initiation of Banning / Suspension
5	Suspension of Business Dealings
6	Ground on which Banning of Business Dealings can be initiated
7	Banning of Business Dealings
8	Removal from List of approved Agencies-Suppliers/ Contractors etc.
9	Procedure for issuing Show-cause Notice
10	Appeal against the Decision of the Competent Authority
11	Review of the Decision by the Competent Authority
12	Circulation of the names of Agencies with whom Business Dealings have been banned

1. Introduction

1.1 RailTel Corporation of India Ltd (RAILTEL), being a Public Sector Enterprise, under the administrative control of the Ministry of Railways and therefore being an authority deemed to be 'the state' within the meaning of Article 12 of Constitution of India, has to ensure preservation of rights enshrined in Chapter III of the Constitution. RAILTEL has also to safeguard its commercial interests. RAILTEL deals with Agencies, who have a very high degree of integrity, commitments and sincerity towards the work undertaken. It is not in the interest of RAILTEL to deal with Agencies who commit deception, fraud or other misconduct in the execution of contracts awarded / orders issued to them. In order to ensure compliance with the constitutional mandate, it is incumbent on RAILTEL to observe principles of natural justice before banning the business dealings with any Agency.

1.2 Since banning of business dealings involves civil consequences for an Agency concerned, it is incumbent that adequate opportunity of hearing is provided and the explanation, if tendered, is considered before passing any order in this regard keeping in view the facts and circumstances of the case.

2. Scope

2.1 The General Conditions of Contract (GCC) of RAILTEL generally provide that RAILTEL reserves its rights to remove from list of approved suppliers/ contractors or to ban business dealings if any Agency has been found to have committed misconduct and also to suspend business dealings pending investigation. If such provision does not exist in any GCC, the same may be incorporated.

2.2 Similarly, in case of sale of material there is a clause to deal with the Agencies/ customers/ buyers, who indulge in lifting of material in unauthorized manner. If such a stipulation does not exist in any Sale Order, the same may be incorporated.

2.3 However, absence of such a clause does not in any way restrict the right of Company (RAILTEL) to take action / decision under these guidelines in appropriate cases.

2.4 The procedure of (i) Removal of Agency from the List of approved suppliers/ contractors; (ii) Suspension and (iii) Banning of Business Dealing with Agencies, has been laid down in these guidelines.

2.5 These guidelines apply to Corporate Office, all Regions and Subsidiaries of RAILTEL.

2.6 It is clarified that these guidelines do not deal with the decision of the Management to avoid entertaining any particular Agency due to its poor / inadequate performance or for any other reason.

2.7 The banning shall be with prospective effect, i.e., future business dealings.

3. Definitions

In these Guidelines, unless the context otherwise requires:

i) 'Party / Contractor / Supplier / Purchaser / Customer' shall mean and include a public limited company or a private limited company, a firm whether registered or not, an individual, a cooperative society or an association or a group of persons engaged in any commerce, trade, industry, etc. 'Party / Contractor / Supplier / Purchaser / Customer' in the context of these guidelines is indicated as 'Agency'.

ii) 'Inter-connected Agency' shall mean two or more companies having any of the following features:

- a) If one is a subsidiary of the other;
- b) If the Director(s), Partner(s), Manager(s) or Representative(s) are common;
- c) If management is common;
- d) If one owns or controls the other in any manner;

iii) 'Competent Authority' and 'Appellate Authority' shall mean the following:

- a) For Company (entire RAILTEL) wide Banning: The Director shall be the 'Competent Authority' for the purpose of these guidelines. CMD, RAILTEL shall be the 'Appellate Authority' in respect of such cases except banning of business dealings with Foreign Suppliers of imported items.
 - b) For banning of business dealings with Foreign Suppliers of imported items, RAILTEL Directors Committee (RDC) shall be the 'Competent Authority'. The Appeal against the Order passed by RDC, shall lie with CMD, as First Appellate Authority.
 - c) In case the foreign supplier is not satisfied by the decision of the First Appellate Authority, it may approach Railway Board as Second Appellate Authority.
 - d) For RailTel Regions only: Any officer not below the rank of General Manager appointed or nominated by the Executive Director of concerned Region shall be the 'Competent Authority' for the purpose of these guidelines. The Executive Director of the concerned Region shall be the 'Appellate Authority' in all such cases.
 - e) For Corporate Office only: For procurement of items / award of contracts, to meet the requirement of Corporate Office only, Concerned Group General Manager / General Manager shall be the 'Competent Authority' and concerned Director shall be the 'Appellate Authority'.
 - f) CMD, RAILTEL shall have overall power to take suo-moto action on any information available or received by him and pass such order(s) as he may think appropriate, including modifying the order(s) passed by any authority under these guidelines.
- iv) 'Investigating Department' shall mean any Department or Unit investigating into the conduct of the Agency and shall include the Vigilance Department, Central Bureau of Investigation, the State Police or any other department set up by the Central or State Government having powers to investigate.
- v) 'List of approved Agencies - Parties / Contractors / Suppliers/ Purchaser/ Customers' shall mean and include list of approved /registered Agencies - Parties/ Contractors / Suppliers / Purchasers / Customers, etc.

4. Initiation of Banning / Suspension

Action for banning / suspension of business dealings with any Agency should be initiated by the department having business dealings with them after noticing the irregularities or misconduct on their part. Besides the concerned department, Vigilance Department of each Region / Unit/ Corporate Office may also be competent to initiate such action.

5. Suspension of Business Dealings

5.1 If the conduct of any Agency dealing with RAILTEL is under investigation by any department (except Foreign Suppliers of imported items), the Competent Authority may consider whether the allegations under investigation are of a serious nature and whether pending investigation, it would be advisable to continue business dealing with the Agency. If the Competent Authority, after consideration of the matter including the recommendation of

the Investigating Department, if any, decides that it would not be in the interest to continue business dealings pending investigation, it may suspend business dealings with the Agency. The order to this effect may indicate a brief of the charges under investigation. If it is decided that inter-connected Agencies would also come within the ambit of the order of suspension, the same should be specifically stated in the order. The order of suspension would operate for a period not more than six months and may be communicated to the Agency as also to Investigating Department. The Investigating Department may ensure that their investigation is completed and whole process of final order is over within such period.

5.2 The order of suspension shall be communicated to all the departmental heads within the unit/ region/ Corporate Office as the case may be. During the period of suspension, no business dealing may be held with the agency.

5.3 As far as possible, the existing contract(s) with the Agency may continue unless the Competent Authority, having regard to the circumstances of the case, decides otherwise.

5.4 If the gravity of the misconduct under investigation is very serious and it would not be in the interest of RAILTEL, as a whole, to deal with such an Agency pending investigation, the Competent Authority may send his recommendation to Chief Vigilance Officer (CVO), RAILTEL Corporate Office along with the material available. If Corporate Office considers that depending upon the gravity of the misconduct, it would not be desirable for all the units/ regions of RAILTEL to have any dealings with the Agency concerned, an order suspending business dealings may be issued to all the units/ Regions / Corporate Office by the Competent Authority of the Corporate Office, copy of which may be endorsed to the Agency and all concerned. Such an order would operate for a period of six months from the date of issue.

5.5 for suspension of business dealings with Foreign Suppliers of imported items, following shall be the procedure:

i) Suspension of the foreign suppliers shall apply throughout the Company/ Regions including Subsidiaries.

ii) Based on the complaint forwarded by ED / GGM / GM or received directly by Corporate Vigilance, if gravity of the misconduct under investigation is found serious and it is felt that it would not be in the interest of RAILTEL to continue to deal with such agency, pending investigation, Corporate Vigilance may send such recommendation on the matter to Executive Director / GGM / GM, to place it before a committee consisting of the following:

1. ED / GGM/ GM (viz. Representative of Corporate Finance).
2. ED / GGM/ GM (viz. Representative of Department concerned with procurement of imported items)- Convener of the Committee.
3. ED / GGM/ GM (to be nominated on case-to-case basis).
4. ED / GGM/ GM ((viz. Representative of Corporate Law).

The committee shall expeditiously examine the report and give its comments / recommendations within twenty-one days of receipt of the reference by ED/ GGM/ GM.

iii) The comments / recommendations of the Committee shall then be placed by ED/GGM/GM, before RAILTEL Directors' Committee (RDC) constituted for import of items. If RDC opines that it is a fit case for suspension, RDC may pass necessary orders which shall be communicated to the foreign supplier by the ED/GGM/GM.

5.6 If the Agency concerned asks for detailed reasons of suspension, the Agency may be informed that its conduct is under investigation. It is not necessary to enter into correspondence or argument with the Agency at this stage.

5.7 It is not necessary to give any show-cause notice or personal hearing to the Agency before issuing the order of suspension. However, if investigations are not complete in six months time, the Competent Authority may extend the period of suspension by another three months, during which period the investigations must be completed.

6. Ground on which Banning of Business Dealings can be initiated

6.1 If the security consideration, including questions of loyalty of the Agency to the State, so warrants;

6.2 If the Director / Owner of the Agency, proprietor or partner of the firm, is convicted by a Court of Law for offences involving moral turpitude in relation to its business dealings with the Government or any other public sector enterprises or RAILTEL, during the last five years;

6.3 If there is strong justification for believing that the Directors, Proprietors, Partners, owner of the Agency have been guilty of malpractices such as bribery, corruption, fraud, substitution of tenders, interpolations, etc;

6.4 If the Agency continuously refuses to return / refund the dues of RAILTEL without showing adequate reason and this is not due to any reasonable dispute which would attract proceedings in arbitration or Court of Law;

6.5 If the Agency employs a public servant dismissed / removed or employs a person convicted for an offence involving corruption or abetment of such offence;

6.6 If business dealings with the Agency have been banned by the Govt. or any other public sector enterprise;

6.7 If the Agency has resorted to Corrupt, fraudulent practices including misrepresentation of facts;

6.8 If the Agency uses intimidation/ threatening or brings undue outside pressure on the Company (RAILTEL) or its official in acceptance/ performances of the job under the contract;

6.9 If the Agency indulges in repeated and / or deliberate use of delay tactics in complying with contractual stipulations;

6.10 Wilful indulgence by the Agency in supplying sub-standard material irrespective of whether pre-dispatch inspection was carried out by Company (RAILTEL) or not;

6.11 Based on the findings of title investigation report of CBI / Police against the Agency for malafide/ unlawful acts or improper conduct on his part in matters relating to the Company (RAILTEL) or even otherwise;

6.12 Established litigant nature of the Agency to derive undue benefit;

6.13 Continued poor performance of the Agency in several contracts;

6.14 If the Agency misuses the premises or facilities of the Company (RAILTEL), forcefully occupies tampers or damages the Company's properties including land, water resources, etc.

(Note: The examples given above are only illustrative and not exhaustive. The Competent Authority may decide to ban business dealing for any good and sufficient reason).

7. Banning of Business Dealings

7.1 Normally, a decision to ban business dealings with any Agency should apply throughout the Company including subsidiaries. However, the Competent Authority of the Region/ Unit except Corporate Office can impose such ban Region-wise only if in the particular case banning of business dealings by respective Region/ Unit will serve the purpose and achieve its objective and banning throughout the Company is not required in view of the local conditions and impact of the misconduct/ default to beyond the Region/ Unit. Any ban imposed by Corporate Office shall be applicable across all Regions/ Units of the Company including Subsidiaries.

7.2 For Company-wide banning, the proposal should be sent by ED of the Region/ Unit to the CVO/RailTel setting out the facts of the case and the justification of the action proposed alongwith all the relevant papers and documents except for banning of business dealings with Foreign Suppliers of imported items.

The Corporate Vigilance shall process the proposal of the concerned Region/ Unit for a prima-facie view in the matter by the Competent Authority nominated for Company-wide banning.

The CVO shall get feedback about that agency from all other Regions/ Units. Based on this feedback, a prima-facie decision for banning / or otherwise shall be taken by the Competent Authority.

If the prima-facie decision for Company-wide banning has been taken, the Corporate Vigilance shall issue a show-cause notice to the agency conveying why it should not be banned throughout RAILTEL.

After considering the reply of the Agency and other circumstances and facts of the case, a final decision for Company-wide banning shall be taken by the competent Authority.

7.3 There will be a Standing Committee in each Region/ Unit to be appointed by Chief Executive Officer for processing the cases of "Banning of Business Dealings" except for banning of business dealings with foreign suppliers. However, for procurement of items/ award of contracts, to meet the requirement of Corporate Office only, the committee shall be consisting of General Manager/ Dy. General Manager each from Operations, Finance, Law & Project. Member from Project shall be the convener of the committee. The functions of the committee shall, inter-alia include:

- i) To study the report of the investigating Agency and decide if a prima-facie case for Company-wide / Region wise banning exists, if not, send back the case to the Competent Authority.
- ii) To recommend for issue of show-cause notice to the Agency by the concerned department.
- iii) To examine the reply to show-cause notice and call the Agency for personal hearing, if required.
- iv) To submit final recommendation to the Competent Authority for banning or otherwise.

7.4 If the Competent Authority is prima-facie of view that action for banning business dealings with the Agency is called for, a show- cause notice may be issued to the Agency and an enquiry held accordingly.

7.5 Procedure for Banning of Business Dealings with Foreign Suppliers of imported items.

i) Banning of the agencies, shall apply throughout the Company including subsidiaries.

ii) Based on the complaint forwarded by Executive Director or received directly by Corporate Vigilance, an investigation shall be carried out by Corporate Vigilance. After investigation, depending upon the gravity of the misconduct, Corporate Vigilance may send their report to Executive Director/ GGM/ GM, to be placed before a Committee consisting of the following:

1. ED / GGM/ GM (viz. Representative of Corporate Finance).
2. ED / GGM/ GM (viz. Representative of Department concerned with procurement of imported items)- Convener of the Committee.
3. ED / GGM/ GM (to be nominated on case to case basis).
4. ED / GGM/ GM ((viz. Representative of Corporate Law).

The Committee shall examine the report and give its comments/ recommendations within 21 days of receipt of the reference by ED.

iii) The comments/recommendations of the Committee shall be placed by ED/ GGM/ GM before RAILTEL Directors' Committee (RDC) constituted for import of foreign items. If RDC opines that it is a fit case for initiating banning action, it will direct ED/ GGM/ GM to issue show-cause notice to the agency for replying within a reasonable period.

iv) On receipt of the reply or on expiry of the stipulated period, the case shall be submitted by ED to RDC for consideration & decision.

v) The decision of the RDC shall be communicated to the agency by ED/GGM/GM concerned.

8. Removal from List of Approved Agencies – Suppliers/ Contractors, etc.

8.1 If the Competent Authority decides that the charge against the Agency is of a minor nature, it may issue a show-cause notice as to why the name of the Agency should not be removed from the list of approved Agencies - Suppliers / Contractors, etc.

8.2 The effect of such an order would be that the Agency would not be disqualified from competing in Open Tender Enquiries but LTE (Limited Tender Enquiry) may not be given to the Agency concerned.

8.3 Past performance of the Agency may be taken into account while processing for approval of the Competent Authority for awarding the contract.

9. Show-cause Notice

9.1 In case where the Competent Authority decides that action against an Agency is called for, a show-cause notice has to be issued to the Agency. Statement containing the

imputation of misconduct or misbehavior may be appended to the show-cause notice and the Agency should be asked to submit within 15 days a written statement in its defence.

9.2 If the Agency requests for inspection of any relevant document in possession of RAILTEL, necessary facility for inspection of documents may be provided.

9.3 The Competent Authority may consider and pass all appropriate speaking order:

- a) For exonerating the Agency if the charges are not established.
- b) For removing the Agency from the list of approved Suppliers/ Contactors, etc.
- c) For banning the business dealing with the Agency.

9.4 If it decides to ban business dealings, the period for which the ban would be operative may be mentioned. The order may also mention that the ban would extend to the interconnected Agencies of the Agency.

10. Appeal against the Decision of the Competent Authority

10.1 The agency may file an appeal against the order of the Competent Authority banning business dealing, etc. The appeal shall lie to Appellate Authority. Such an appeal shall be preferred within one month from the date of receipt of the order banning business dealing, etc.

10.2 Appellate Authority would consider the appeal and pass appropriate order which shall be communicated to the Agency as well as the Competent Authority.

11. Review of the Decision by the Competent Authority

Any petition / application filed by the Agency concerning the review of the banning order passed originally by Chief Executive / Competent Authority under the existing guidelines either before or after filing of appeal before the Appellate Authority or after disposal of appeal by the Appellate Authority, the review petition can be decided by the Chief Executive / Competent Authority upon disclosure of new facts / circumstances or subsequent development necessitating such review. The Competent Authority may refer the same petition to the Standing Committee for examination and recommendation.

12. Circulation of the names of Agencies with whom Business Dealings have been banned

12.1 Depending upon the gravity of misconduct established, the Competent Authority of the Corporate Office may circulate the names of Agency with whom business dealings have been banned, to the Government Departments, other Public Sector Enterprises, etc. for such action as they deem appropriate.

12.2 If Government Departments or a Public Sector Enterprise request for more information about the Agency with whom business dealings have been banned, a copy of the report of the Inquiring authority together with a copy of the order of the Competent Authority / Appellate Authority may be supplied.

12.3 If business dealings with any Agency have been banned by the Central or State Government or any other Public Sector Enterprise, RAILTEL may, without any further enquiry or investigation, issue an order banning business dealing with the Agency and its interconnected Agencies.

12.4 Based on the above, Regions / Units may formulate their own procedure for implementation of the guidelines.



ANNEXURE-16: PROFORMA FOR BANK GUARANTEE**BANK GUARANTEE BOND**

(On Stamp Paper of Rs. One Hundred)

(To be used by approved Scheduled Banks)

In consideration of the RailTel Corporation of India Limited, Eastern Region, 19th Floor, Aurora Waterfront Building, Plot no. 34/1, Block -GN, Sector - V, Salt Lake City, Kolkata -700091, West Bengal.

(Herein after called RailTel) having agreed to
 exempt..... (Herein after
 called "the said Contractor(s)") from the demand, under the terms and conditions of
 an Agreement No. dated made between
 and

..... for (herein after called
 "the said Agreement") of Performance Guarantee for the due fulfillment by the said Contractor
 (s) of the terms and conditions contained in the said
 Agreement, or production of a Bank Guarantee for Rs.....(Rs only). We,
(indicate the name of the Bank) here in after referred to as " the
 Bank") at the request of Contractor(s) do hereby
 Undertake to pay the RailTel an amount not exceeding Rs..... Against any loss or damage
 caused to or suffered or would be caused to or suffered by the RailTel by reason of any
 breach by the said Contractor(s) of any of the terms or conditions contained in the said
 Agreement.

1. We, Bank **and our local branch at Kolkata (indicate detail address of local Kolkata Branch with code no.)** do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

2. We, bank undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / Supplier(s) in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal.

The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the Contractor(s) / Supplier(s) shall have no claim against us for making such payment.

We, Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the

performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before the (1) We shall be discharged from all liability under this Guarantee thereafter.

We, We, (indicate the name of Bank) Further agree with the RailTel that the RailTel shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time of to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.

This Guarantee will not be discharged due to the change in the Constitution of the Bank or the Contractor(s) Supplier(s).

We, the Bank further agree that this guarantee shall be invocable at our place of business at/Kolkata (indicate detailed address of local Kolkata Branch with code no.) The branch at New Delhi is being advised accordingly.

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

Dated the day of 20XX

for..... (Indicate the name of the Bank)

Witness

1. Signature & Name

2. Signature & Name

ANNEXURE-17: PROFORMA FOR CONTRACT AGREEMENT**AGREEMENT**

(CA No. _____ for _____ the _____ work _____ of
 “ _____ ”

This AGREEMENT is made at Kolkata on this _____ day of _____ two thousand and XXXX, by and between RailTel Corporation of India Limited (A Govt. of India Undertaking) having its Corporate office at Plate-A, 6th Floor, Office Tower-2, NBCC Building, East Kidwai Nagar, New Delhi-110023 and Eastern Regional Office at 19th Floor, Aurora Waterfront Building, Plot No. 34/1, Block GN, Sector-V, Salt Lake City, Kolkata – 700091 acting in the premises through _____ / Eastern Region (hereinafter referred to as ‘RailTel’, which expression should unless repugnant to the context or meaning thereof include its successors and permitted assigns) of the one part;

And _____ having its registered office at _____ acting in the premises through _____ (hereafter referred to as “Contractor”, which expression should unless repugnant to the context or meaning thereof include its successor and permitted assigns) of the other part.

Whereas in response to a call for Tender by RailTel for the work of
 “ _____ ”
 as per tender papers at Annexure ‘A’ read with Corrigendum.....Issued by RailTel hereto, the Contractor has submitted a Tender as per Annexure ‘B’ hereto

AND WHEREAS the said Tender of the Contractor has been accepted for the work of
 “ _____ ”
 as per copy of Letter of Acceptance of Tender No. _____ Dated _____
 _____ complete with enclosures at the accepted rates and agreed deviations from tender papers as per Annexure-C hereto at contract value of Rs. _____ (Rupees _____ Only)
 duly accepted by the contractor.

Now this agreement witnesses that in consideration of the premises and the payment to be made by the Purchaser (RailTel) to the Contractor provided for herein, the Contractor shall supply all equipment and materials and execute and perform all works for which the said Tender of the Contractor has been accepted strictly according to the various provisions in Annexure ‘B’ and ‘C’ hereto and upon such supply, execute and performance to the satisfaction of the purchaser (RailTel) and the purchaser (RailTel) shall pay to the Contractor at the rates accepted as per the said Annexure ‘C’ and in terms of the provisions therein.

IN WITNESS whereof both the parties have hereunto set and subscribed their respective hands and/or seals on the day and year respectively mentioned against their respective signatures.

Signed and delivered by Shri _____ for and on behalf of RailTel Corporation of India Ltd.

The contract within named in the presence of:

1. Signature _____ :
 Date _____ :

Name in Block Capitals
Address

2. Signature
Date
Name in Block Capitals
Address

Signed and delivered by Shri. _____ for and on behalf
of _____, the contractor within
named in the presence of:

1. Signature
Date
Name in Block Capitals
Address

2. Signature
Date
Name in Block Capitals
Address

Annexure – A:
Annexure – B:
Annexure – C:
Annexure – D:

Tender Paper No. _____ with corrigendum, if any.
Firm's offer.
Letter of Acceptance No. _____ with all enclosures.
Copy of Contract Performance Guarantee.

रेलटेल
RAILTEL



रेलटेल
RAILTEL

ANNEXURE-18: STANDING INDEMNITY BOND

(For on Account Payments and Stores supplied by RailTel)

(On Non-Judicial Stamp paper of Rs. 100/-)

We, M/s _____ hereby undertake that we hold at our Stores Depot/s at _____ for and on behalf of RailTel Corporation of India Limited in the premises through PED/RGM/RailTel/----- Region or his successor hereinafter referred to as the Purchaser all materials for which On Account payments have been made to us against the Contract _____ for vide letter of Acceptance/PO of Tender No. _____ and the materials handed over to us by the Purchaser for all purpose of execution of the said Contract, until such time the materials are duly erected or otherwise handed over to him.

We shall be entirely responsible for the safe custody and protection of said materials against all risk till they are duly delivered as erected equipment to the purchaser or as he may direct otherwise and shall indemnify the Purchaser against any loss, damage or deterioration whatsoever in respect of the said materials while in our possession and against disposal of surplus materials. The said materials shall at all times be open to inspection by any engineer authorized by the Regional General Manager (RGM)/Principal Executive Director (PED) Region (whose address will be intimated in due course).

Should any loss, damage or deterioration of materials occur or surplus materials disposed off and refund becomes due, the purchaser shall be entitled to recover from us the full cost as per prices included in the Contract (as applicable) and also compensation for such loss or damage, if any, along with the amount to be refunded without prejudice to any other remedies available to him by deduction from any sum due or any sum which at any time hereafter becomes due to us under the said or any other Contract.

In the event of any loss, damage or deterioration as aforesaid the assessment of such loss or damage and the assessment of such compensation therefore would be made by the RGM/PED/RailTel/----- Region, or his authorized nominee and the said assessments shall be final and binding upon us.

Dated this day of, [year]

for and on behalf of M/s. _____

(Contractor)

Signature of witness

Name and witness in Block letters Address

ANNEXURE-19: LAND BORDER CERTIFICATE**Certificate to be given by the Tenderer:**

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that I am not from such a country or, if from such a country, I have been registered with the Competent Authority. I hereby certify that I fulfil all requirements in this regard and I am eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Dated this day of, [year]

for and on behalf of M/s. _____
(Contractor)..

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RAILTEL

ANNEXURE-20:

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RAILTEL