



रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड

(भारत सरकार के उपक्रम) पूर्वी क्षेत्र
19वीं मंजिल, ऑरोरा वाटरफ्रंट बिल्डिंग,
प्लॉट नंबर 34/1, ब्लॉक जीएन, सेक्टर-V, साल्ट लेक सिटी, कोलकाता - 700091

RAILTEL CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)

(CIN: U64202 DL 2000GOI107905)

19th Floor, Aurora Waterfront Building,
Plot No. 34/1, Block GN, Sector-V, Salt Lake City,
Kolkata – 700091
Phone: (033) - 44041499

RailTel Website: www.railtelindia.com
e-Tendering portal: <https://railtel.enivida.com>

“रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र के लिए छत्तीसगढ़ और मध्य प्रदेश राज्यों में साउथ ईस्टर्न कोलफील्ड्स लिमिटेड के क्षेत्र में जीबी/आरटी टावरों की आपूर्ति, स्थापना और कमीशनिंग सहित लास्ट माइल आरएफ लिंक को किराये पर लेना”
के कार्य हेतु

निविदा दस्तावेज़

TENDER DOCUMENT

For the work of

“Hiring of Last Mile RF links including Supply, Installation & Commissioning of GB/RT Towers in South Eastern Coalfields Ltd.’s Area in Chhattisgarh and Madhya Pradesh States for RailTel Corporation of India Ltd., Eastern Region”

खुली ई-निविदा संख्या (Open e -Tender No.): RailTel/Tender/OT/ER/HQ/2023-24/1477-1483, Dt.
08.08.2023

खोलने की तिथि (Date of Opening): 29.08.2023

निविदा दस्तावेज़ की लागत (Cost of Tender Document): Rs.1,770/- (Incl. GST) for each Tender section

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(This tender document consists of 112 pages)



रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड , पूर्वी क्षेत्र
 RailTel Corporation of India Ltd. Eastern Region
 19th Floor, Aurora Waterfront Building, Plot No. 34/1,
 Block-GN, Sector-V, Salt Lake City, Kolkata 700091.
 Tel. No.: 033-4041499

ई-निविदा सूचना संख्या (e-Tender Notice No.): RailTel/Tender/OT/ER/HQ/2023-24/1477-1483
 Dt. 08.08.2023

RailTel Website : www.railtelindia.com
 e-Tendering portal : <https://railtel.enivida.com>

रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र, "रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र के लिए छत्तीसगढ़ और मध्य प्रदेश राज्यों में साउथ ईस्टर्न कोलफील्ड्स लिमिटेड के क्षेत्र में जीबी/आरटी टावरों की आपूर्ति, स्थापना और कमीशनिंग सहित लास्ट माइल आरएफ लिंक को किराये पर लेना" के लिए सिद्ध अनुभव वाले स्थापित ठेकेदारों से दो पैकेट एकल चरण प्रणाली में खुली ई-बोलियां आमंत्रित करता है।

RailTel Corporation of India Ltd. (RailTel), Eastern Region invites Open e- Bids in two packet single stage system from established contractors with proven experience for "Hiring of Last Mile RF links including Supply Installation & Commissioning GB/RT Towers in South Eastern Coal Fields Ltd.'s Area in Chhattisgarh & Madhya Pradesh States for RailTel Corporation of India Ltd., Eastern Region."

विवरण इस प्रकार हैं

The details are as under:

a)	ई-निविदा प्रकाशन की तिथि Date of publishing of e- Tender	08.08.2023
b)	निविदा डाउनलोड करने की प्रारंभ तिथि Start Date for downloading the Tender	08.08.2023 at 17:00 hrs.
c)	दस्तावेज़ डाउनलोड की अंतिम तिथि/समय Document download end date/time	29.08.2023 at 14:00 hrs.
d)	ई-बोली जमा करने की आरंभ तिथि e-bid submission start date	08.08.2023
e)	ई-बोलियों जमा करने की अंतिम तिथि Closing date for Submission of e-Bids	29.08.2023 up to 14:00 hrs. (Online)
f)	ई-बोलियां खोलने की तिथि Date of opening of e-Bids	29.08.2023 at 14:30 hrs. (Online)
g)	प्रस्तावों की वैधता Validity of offers	60 days from date of opening of tender

h)	लिकों को चालू करने की समयावधि Time period for commissioning of the links	60 days from the date of issue of PO.
i)	ओएफसी किराये पर लेने की अवधि Period of OFC hiring	05 (Five) Years from the date of issue of LoA/Purchase Order
j)	TReDS सुविधा उपलब्ध है? TReDS feature available?	Yes, on m1xchange portal (url: https://www.m1xchange.com)

South Eastern Coalfield Area	Tender Number	No. of RF links (Approx.)	Cost of Tender Document (Incl. GST) (Rs.)	Earnest Money Deposit(Rs.)	Estimated hiring charges for 5 years* (Incl. GST) (Rs.)
Zone - 1 Korba, Champa SECL HQ & Kusmunda	RailTel/Tender/ OT/ER/HQ/202 3-24/1477 Dt. 08.08.2023	102	1,770.00	3,71,700.00	1,85,81,891.71
Zone – 2 Gevra & Dipka	RailTel/Tender/ OT/ER/HQ/202 3-24/1478 Dt. 08.08.2023	91	1,770.00	3,49,100.00	1,74,54,416.90
Zone-3 Raigarh	RailTel/Tender/ OT/ER/HQ/202 3-24/1479 Dt. 08.08.2023	68 (Inc. 1 No.GB/RT Tower)	1,770.00	2,38,500.00	1,19,20,164.57
Zone-4 Bishrampur, Bhatgoan, Baikunthpur	RailTel/Tender/ OT/ER/HQ/202 3-24/1480 Dt. 08.08.2023	92 (Inc. 1 No.GB/RT Tower)	1,770.00	3,33,300.00	1,66,60,179.03
Zone-5 Hasdeo, Chirimiri J&K	RailTel/Tender/ OT/ER/HQ/202 3-24/1481 Dt. 08.08.2023	102 (Inc. 1 No.GB/RT Tower)	1,770.00	3,96,100.00	1,98,04,908.92
Zone-6 Sohagpur	RailTel/Tender/ OT/ER/HQ/202 3-24/1482 Dt. 08.08.2023	38	1,770.00	1,42,200.00	71,08,080.90
Zone-7 Johilla	RailTel/Tender/ OT/ER/HQ/202 3-24/1483 Dt. 08.08.2023	37	1,770.00	1,24,200.00	62,09,797.94

UDYAM पंजीकृत फर्म के लिए: लघु उद्योग इकाइयों / सूक्ष्म और लघु उद्यमों के लिए, MSME मंत्रालय के तहत UDYAM के साथ पंजीकृत MSME और इस निविदा में भाग लेने के लिए, निम्नलिखित छूट उपलब्ध होगी

(i) उन्हें निविदा दस्तावेज की लागत जमा करने से छूट दी जाएगी (यदि लागू हो)।

(ii) उन्हें बयाना राशि जमा करने से भी छूट दी जाएगी।

ये छूट तभी लागू होंगी जब निविदाकर्ता उद्यम के साथ पंजीकृत हो।

विवरण के लिए खंड 3.14.4 भाग-3 देखें।

For UDYAM registered firm: For Small Scale Units / Micro & Small Enterprises, registered with UDYAM under Ministry of MSME and participating in this tender, following exemptions shall be available:

(i) They shall be exempted from submission of cost of tender documents (if applicable).

(ii) They shall also be exempted from depositing Earnest money.

These exemptions shall be applicable provided Tenderer registered with UDYAM.

For details refer Clause 3.14.4 of Part-3 of the Tender document.

बोलीदाता एकल जोन/निविदा या एक से अधिक जोन/निविदाएं उद्धृत कर सकता है; एक बोलीदाता को अधिकतम 4 जोन/निविदाएं प्रदान की जा सकती हैं। हालाँकि, सफल बोली लगाने वाले को (ए) दिए गए सभी जोन/निविदाकारों में काम दिए जाने के 60 दिनों के भीतर आरएफ लिंक कमीशन करना होगा (बी) उन्हें पूरे अनुबंध अवधि के दौरान कार्य प्रदत्त जोन के लिए रखरखाव उपकरणों के साथ अलग आरएफ रखरखाव टीम प्रदान करनी होगी।

Bidder may quote single Zone/Tender or multiple the Zones/Tenders; one bidder can be awarded maximum 4 Zone/Tenders. However the successful bidder has to (a) Commission RF links within 60 days of award of work in all the Zones/Tenders awarded (b) They have to provide separate RF maintenance teams with maintenance tools for each awarded Zone during the entire contract period.

नोट: निविदा सूचना और निविदा दस्तावेज़ रेलटेल की वेबसाइट पर उपलब्ध हैं और इन्हें www.railtelindia.com या ई-टेंडरिंग 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 आवश्यक रूप से निविदा दस्तावेज़ की एक आधिकारिक ऑनलाइन प्रति डाउनलोड करनी होगी। इस निविदा के लिए भविष्य की सभी जानकारी अर्थात् शुद्धिपत्र / परिशिष्ट / संशोधन आदि केवल इस ई-टेंडरिंग पोर्टल पर पोस्ट किए जाएंगे। निविदा दस्तावेज़ की मुद्रित प्रतियां रेलटेल कार्यालय से नहीं बेची जाएंगी।

Note: Tender Notice and Tender Document are available on RailTel's website and can be downloaded from www.railtelindia.com 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 tender document from the portal <https://railtel.enivida.com>. All future information viz. corrigendum /addendum/ amendments etc. for this Tender shall be posted on this e-Tendering Portal only. Printed copies of the Tender document will not be sold from the RailTel office.

बोलीदाता बोली में तैयारी, प्रस्तुतीकरण/भागीदारी 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 bidder shall bear all costs associated with the preparation, submission/participation in the bid. Purchaser in no way will be responsible or liable for these costs regardless of the conduct or outcome of the bidding process.

ई-टेंडरिंग के संबंध में निविदा दस्तावेज़ लागत (टीडीसी) केवल नेट बैंकिंग या भुगतान गेट वे के माध्यम से स्वीकार की जाएगी। ई-निविदा (ई-टेंडर पोर्टल) पर आमंत्रित निविदा के लिए सावधि जमा रसीद (एफडीआर) ईएमडी के रूप में स्वीकार नहीं की जाएगी।

Tender Document Cost (TDC) in respect of e-tendering, will be accepted through net banking or payment gate way only. Fixed Deposit Receipt (FDR) will not be accepted as EMD for tender invited on e-Nivida (e-tender portal).

**सहायक महाप्रबंधक/अनुबंध
रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड
पूर्वी क्षेत्र/कोलकाता के लिए
Asstt. GM/ Contracts
for RailTel Corporation of India Ltd.
Eastern Region/ Kolkata**

प्रतिलिपि: कोलकाता में क्षेत्रीय कार्यालय और बिलासपुर में प्रादेशिक प्रबंधक कार्यालय में नोटिस बोर्ड।/
Copy to: Notice board at RO office at Kolkata and TM office at Bilaspur

Chapter – 1

INSTRUCTIONS TO THE BIDDERS

1.0 General

These are the Special Instructions to the Bidders for Tendering.

The RailTel Tenders are published on www.railtelindia.com and on e-Procurement Portal <https://railtel.enivida.com>

- 1.1 For E-Tendering bids /information by bidders is to be submitted “Online” on e-Procurement Portal <https://railtel.enivida.com>. Any document / information pertaining to this tender will have to be submitted by the bidder on line. The digital signature of the tenderer on the e-tender form will be considered as confirmation that the tenderer has read, understood and accepted all the documents, unless special deviation is quoted by the tenderer in the technical & commercial deviation templates.

PLEASE NOTE ALL COLUMNS SHOULD BE FILLED AND BLANK COLUMNS, IF ANY, SHOULD BE MARKED AS NIL.

PLEASE READ CAREFULLY ALL THE CLAUSES OF THE TENDER BEFORE UPLOADING THE TENDER FORM. PLEASE SIGN ON EACH PAGE.

THE TENDERER MAY DOWNLOAD TENDER FORM FROM THE WEBSITE ‘www.railtelindia.com’ OR FROM THE e-Procurement Portal <https://railtel.enivida.com>,

NOTE: For online bid submission the tenderer will have to necessarily download an official online copy of the tender documents from e-Procurement Portal <https://railtel.enivida.com> and this should be done well before the deadline for bid-submission.

2.0 Submission of the bid:

The bidder is required to submit the Technical bid and Price bid in eNivida portal before due date & time of submission of bids specified in this tender document.

Following documents shall be submitted in Technical and Price bid as given below:

“**TECHNICAL BID**”; -The bid shall consist of the following:-

- Offer Letter complete.
- Signed Copy of Tender Document/ Corrigenda
- E-receipt of EMD
- E-receipt of Tender fee.
- Power of attorney

In case bidder happens to be Small Scale Units / Micro & Small Enterprises/ MSME registered with UDYAM under Ministry of MSME, the documentary evidence for same shall be submitted.

- 2.1 Clause wise compliance to tender conditions shall be submitted
- 2.2 Documentary proof of qualifying criteria (Clause 3.2 of Part-3 TenderDocument)
- 2.3 Duly filled and signed Annexure-5.3, Annexure-5.6, Annexure -5.7 and Annexure 5.8.
- 2.4 Any other document asked in the tender but not listed above.
- 2.5 Any Other information desired to be submitted by the tenderer.

3.0 **Fax Quotations & Late Tenders:**

Fax Tender documents and Late/Delayed tenders would not be considered.

3.1 Attendance of Representatives for Tender Opening:

Representatives of tenderers desirous to attend the tender opening can do so on production of a proper letter of authority from the respective firm, failing which they may not be allowed to attend the tender opening.

3.2 **Addenda / Corrigenda:**

Addenda / Corrigenda to the tender documents may be issued by RailTel prior to the date of opening of the tenders, to clarify or reflect modifications in the contract terms and conditions or in the design. Such addendum/corrigendum shall be available on RailTel Website & eNivida portal. Tenderers who are unable or unwilling to bring their tenders to conform to the requirements of the RailTel are liable to be rejected.

3.3 **Bid submission and Opening date**

1. The bid should be submitted along with Technical & Price bid document (all documents) in eNivida portal as per date & time given in the Bid Data Sheet (BDS).
2. The tenderer's bids will be opened at the time & date of opening of the tender given in the Tender Notice in presence of such Tenderers/ Representatives who choose to be present.
3. Bids received after due date and time shall be summarily rejected and shall not be opened.

3.3 **Submission of offline documents:**

Original copy of following document is needed to be submitted by bidders offline before due date and time of submission of bids at RailTel Corporation of India Ltd., 19th Floor, Aurora Waterfront Building, Plot No. 34/1, Block GN, Sector-V, Salt Lake

City, Kolkata – 700 09. The packet containing the original copies should be sealed by the personal seal of the bidder. The envelop shall bear the Tender number and the name of the work, and “DO NOT OPEN Before (-Due Date & time-)”

- a. Power of Attorney.
- b. Affidavit

The written queries/ clarification request may be sent to RailTel’s office through e-mail to pooransigh@railtelindia.com with copy to upendrakumarsingh@railtelindia.com (in pdf & word or excel format) or by post latest by the date as indicated in the Bid Data sheet (BDS). Reply of relevant clarifications sought will be uploaded in eNivida portal. Clarifications sought shall be submitted in the following format:

SN	Clause no. & Chapter no.	Page no.	Sub-clause no./ Point no.	Content of the clause requires clarification	Points of clarification required	Remarks

CHAPTER-1A

E-tendering Instructions to Bidders

1.0 GENERAL:

These Special Instructions (for e-Tendering) supplement ‘Instruction to Bidders, as given in Chapter- 1 of the Tender Document. Submission of Bids only through online process is mandatory for this Tender.

E-Tendering is a new 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>

2.0 GUIDELINES FOR REGISTRATION:

1. Bidders are required to enroll on the e-Procurement Portal: <https://railtel.enivida.com/bidder> **Registration/new Registration** 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 / eMudhraetc.) 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.

3.0 SERCHING FOR TENDER DOCUMENTS:

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

4.0 PREPARATION OF BIDS:

- 1.Bidder should take into account any corrigendum published on the tender documentbefore submitting their bid.
2. Please go through the tender notice and the tender 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 tender document / schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Colour option, which helps in reducingsize 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 themto 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 thissection will be displayed. Click "New" to upload new documents.

5 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 tender document as a token of acceptance of the terms and conditions laid down by RailTel.
3. Bidder has to select the payment option as “e-payment” to pay the tender fee / EMD as applicable and enter details of the instrument.
4. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the Colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the 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 tender documents become readable only after the tender opening by the authorized bid openers.
7. Upon the successful and timely submission of bid click “Complete”(i.e. after Clicking “Submit” in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
8. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

Note: Bidder has to submit all required document online only. Original copy is needed to be submitted by the successful bidder before issuance of LOA/PO.

6. For any clarification in using eNivida Portal:

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

Please feel free to contact eNivida Helpdesk (as given below) for any query related to e-tendering. Phone No. 011-49606060/8448288988

Mail id: - eprocurement@railtelindia.com

Chapter - 2

ADDITIONAL INSTRUCTIONS TO BIDDERS

2.1 Verification of documents and Certification: -

The tenderer shall submit along with the tender document, documents in support of his/their claim to fulfill the eligibility criteria as mentioned in the tender document. Each page of the copy of documents/certificates in support of credentials, submitted by the tenderer shall be self-attested/digitally signed by the tenderer or authorized representative of the tendering firm. Self-attestation shall include signature, stamp and date (on each pages). Only those documents which are declared explicitly by the tenderer as “documents supporting the claim of qualifying the laid down eligibility criteria”, will be considered for evaluating his/their tender

The tenderers shall submit a notarized affidavit on a non-judicial stamp paper stating that they are not liable to be disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the affidavit to be submitted by the bidder is enclosed as **Annexure-A**. Non submission of an affidavit by the bidder shall result in summary rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they/he is qualifying the qualifying criteria mentioned in the Tender Document. It will not be obligatory on the part of the RailTel to scrutinize beyond the submitted document of the tenderer as far as his qualification for the tender is concerned.

- a) The RailTel reserves the right to verify all statements, information and documents submitted by bidder in his tender offer, and the bidder shall, when so required by the RailTel, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the RailTel shall not relieve the bidder of its obligations or liabilities here under nor will it affect any rights of the RailTel there under.
- b) In case of any wrong information submitted by the tenderer, the contract shall be terminated, Earnest Money Deposit (EMD), Performance Guarantee (PG) of contract forfeited and agency barred for doing business on entire RailTel for 5 (five) years.

2.2 Period of validity of Bids: -

- 2.2.1 The price quoted in the bid shall remain valid for accepted by the purchaser for a period as detailed below:

60 days from date of opening of tender

A bid valid for a shorter period shall be rejected by purchaser as non-responsive.

- 2.2.2 In case the purchaser requests in writing, the bidder has to extend the period of validity of their bids, they may have confirmed the extension of the validity of their bids in writing unconditionally. A bidder may refuse the request. A bidder accepting the request and granting extension will not be permitted to modify its bid.

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY e-TENDERER ALONG WITH THE TENDER 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 tenderer) **

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

M/s (hereinafter called the tenderer) for the purpose of the Tender documents for the work of as per the tender No..... of (RailTel Corporation of India Limited/Eastern Region), do hereby solemnly affirm state on the behalf of the tenderer including its constituents as under:

1. I/We the tenderer (s) am/are signing this document after carefully reading the contents.
2. I/we the tendered (s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3. I/we hereby declare that I/we have downloaded the tender documents from portal <https://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 tender documents. In case of any discrepancy noticed at any stage i.e. evaluation of Tenders, 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 clarify 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 information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.**
7. I/we undersigned that if the certificates regarding eligibility criteria submitted by us are found to be forged/false or incorrect at any time during the process for evaluation of tenders, it shall lead to forfeiture the EMD besides banning of business for five years on entire RailTel. Further, I/we (Insert name of the tenderer) ** _____ and all my/our constituents understand that my/our offer shall be summarily rejected.
8. I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, It will lead to termination of the

contract, along with forfeiture of EMD/SD and performance guaranty besides any other action provided in the contract including banning of business for five years on entire RailTel.

DEPONENT
SEAL AND SIGNATURE
OF THE TENDERER

VERIFICATION

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

DEPONENT

SEAL AND SIGNATURE
OF THE TENDERER

Place:

Dated:

** The details as appropriate are to be filled in suitably by tenderer. Attestation before Magistrate/Notary Public.

Chapter – 3

Schedule of Requirements & Price Bid

Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1477, Dt. 08.08.2023

Zone-1 : Korba Area, SECL HQ Area & Kusbunda Area

Name of the work: ‘Hiring of Last Mile RF links in South Eastern Coalfields Ltd.’s Korba, SECL HQ and Kusbunda area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region.

Sl. No	Description of work	Appro x. no. of links/ point of connectivity	Estimated Hiring charges for the period from Sept-23 to 21.12.2027 (Including GST) (Rs.)	Rate quoted per link per annum* (Rs.)
1	Creation of 500 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(a) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Korba Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	2 Nos.	17,96,565.91	<hr style="width: 50%; margin: auto;"/> (in fig.) <hr style="width: 50%; margin: auto;"/> (in words)
2	Creation of 100 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(a) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Korba & SECL HQ Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	3 Nos	5,23,998.39	<hr style="width: 50%; margin: auto;"/> (in fig.) <hr style="width: 50%; margin: auto;"/> (in words)
3	Creation of 50/20 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(a) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), 's Korba, SECL HQ and Kusbunda Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	97	1,62,61,327.41	<hr style="width: 50%; margin: auto;"/> (in fig.) <hr style="width: 50%; margin: auto;"/> (in words)
	Total (Rs.)		1,85,81,891.71	

Note:

- 1. The rate quoted shall be applicable for 1st and 2nd year of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate of 2nd year, the rate applicable for 4th year shall be with 2% discount on the rate of 3rd year and the rate applicable for the 5th year shall have discount of 2% on the rate of 4th year. If the contract is extended beyond 5th year, rate applicable shall be with a discount of 2% on the rate of 5th year (Refer clause 3.10.1 of Part-3)**
2. The successful bidder shall conduct RF survey prepare network plan taking in to consideration of line of sight availability, hop distance, link /fade margin for reliable communication, pole/tower requirement for antenna fixing and height ease of maintenance of equipment. Network/Link hiring is for a period from date of award of work up to 21.12.22027 and provide RF connectivity as per details given Annexure – 5.9(a).
3. Hiring charges of RF links will be paid on quarterly basis. The actual billing shall be done for the links commissioned.
4. After establishing the RF link connectivity, tenderer shall submit link commissioning certificate as per Annexure – 5.8.
5. The RF links provided shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.

Signature of The tenderer

Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1478, Dt. 08.08.2023**Zone-2 : Gevera & Dipka Area**

Name of the work: 'Hiring of Last Mile RF links in South Eastern Coalfields Ltd.'s Gevera & Dipka Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region.

Sl. No	Description of work	Approx. no. of links/ point of connectivity	Estimated Hiring charges for the period from Sept-23 to 21.12.2027 (Including GST) (Rs.)	Rate quoted per link per annum* (Rs.)
1	Creation of 500 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(b) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Gevera & Dipka Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	3 Nos.	26,94,848.87	<hr/> (in fig.) <hr/> (in words)
2	Creation of 100 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(b) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Gevera Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	1 No.	1,74,666.13	<hr/> (in fig.) <hr/> (in words)
3	Creation of 50/20 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(b) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Gevera & Dipka Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	87 Nos.	1,45,84,901.91	<hr/> (in fig.) <hr/> (in words)
	Total		1,74,54,416.91	

Note:

1. **The rate quoted shall be applicable for 1st and 2nd year of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate of 2nd year, the rate applicable for 4th year shall be with 2% discount on the rate of 3rd year and the rate applicable for the 5th year shall have discount of 2% on the rate of 4th year. If the contract is extended beyond 5th year, rate applicable shall be with a discount of 2% on the rate of 5th year (Refer clause 3.10.1 of Part-3)**
2. The successful bidder shall conduct RF survey prepare network plan taking in consideration of line of sight availability, hop distance, link /fade margin for reliable communication, pole/tower requirement for antenna fixing and height ease of maintenance of equipment. Network/Link hiring is for a period from date of award of work up to 21.12.22027 and provide RF connectivity as per details given Annexure –5.9(b).
3. Hiring charges of RF links will be paid on quarterly basis. The actual billing shall be done for the links commissioned.
4. After establishing the RF link connectivity, tenderer shall submit link commissioning certificate as per Annexure – 5.8.
5. The RF links provided shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.

Signature of the Tenderer

Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1479, Dt. 08.08.2023**Zone-3 : Raigarh Area**

Name of the work: 'Hiring of Last Mile RF links in South Eastern Coalfields Ltd.'s Raigarh Area including Supply, Installation & Commissioning of 1 No. GB/RT Tower in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region.

Schedule 'A'

Sl. No.	Description of work	Approx. no. of links/ point of connectivity	Estimated Hiring charges for the period from Sept-23 to 21.12.2027 (Including GST) (Rs.)	Rate quoted per link per annum* (Rs.)
1	Creation of 100 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(c) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Raigarh Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	2 Nos.	3,49,332.26	<hr/> (in fig.) <hr/> (in words)
2	Creation of 50/20 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(c) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Raigarh Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	66 Nos.	1,10,64,408.34	<hr/> (in fig.) <hr/> (in words)
	Total (Rs.)		1,14,13,740.60	

Schedule 'B'**Supply, Installation & commissioning of RTT/GBT**

Sl. No.	Description of work	Qty.	Estimated Cost (Incl. GST) (Rs.)	Rate quoted (in Percentage at par/Above/Below the estimated cost)
1	Supply, installation & commissioning of self-supporting RTT/GBT of 30 mtr. height suitable for mounting of 2 Nos. Antenna/RF equipment of 50 mbps Radio, with aviation light and tower earthing at/ near Bijari in Raigarh Area.	1 No.	3,38,512.50	<hr/> (in fig.) <hr/>

				(in words)
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Schedule 'C': AMC

Sl. No.	Description of work	Qty.	Estimated cost (Incl. GST) (Rs.)	Rate quoted (in Percentage at par/Above/Below the estimated cost)
1	Annual maintenance for item of Schedule 'B' for 2 nd year up to 5 th year (up to 21.12.2027)	1 Job	1,67,911.48	<hr/> (in fig.) <hr/> (in words)

Note:

- The rate quoted for RF link hiring shall be applicable for 1st and 2nd year of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate of previous year (2nd year), the rate applicable for 4th year shall be with 2% discount on the rate of previous year (3rd year) and the rate applicable for the 5th year shall have discount of 2% on the rate of previous year (4th year). If the contract is extended beyond 5th year, rate applicable shall be with a discount of 2% on the rate of 5th year (Refer clause 3.10.1 of Part-3)**
- The successful bidder shall conduct RF survey prepare network plan taking into consideration of line of sight availability, hop distance, link /fade margin for reliable communication, pole/tower requirement for antenna fixing and height ease of maintenance of equipment. Network/Link hiring is for a period from date of issue of LoA up to 21.12.22027 and provide RF connectivity as per details given Annexure –5.9(c).
- Hiring charges of RF links –Schedule 'A' will be paid on quarterly basis. The actual billing shall be done for the links commissioned.
- Supply and installation cost against items of Schedule 'B' will be paid, 90% on completion of work and 10% after warranty period of one year.
- AMC charges against Schedule 'C' will be paid on quarterly basis.
- After establishing the RF link connectivity, tenderer shall submit link commissioning certificate as per Annexure – 5.8.
- The estimated cost indicated are including GST (as applicable).
- The RF links provided shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.

Signature of the Tenderer

Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1480, Dt. 08.08.2023**Zone-4 : Bishrampur, Bhatgoan & Baikunthpur Area**

Name of the work: 'Hiring of Last Mile RF links in South Eastern Coalfields Ltd.'s Bishrampur, Bhatgoan & Baikunthpur Area including Supply, Installation & Commissioning of 1 No. GB/RT Tower in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region.

Schedule 'A'

Sl. No.	Description of work	Approx. no. of links/ point of connectivity	Estimated Hiring charges for the period from Sept-23 to 21.12.2027 (Including GST) (Rs.)	Rate quoted per link per annum* (Rs.)
1	Creation of 500 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(c) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Bishrampur Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	1 No.	8,98,282.95	<hr/> (in fig.) <hr/> (in words)
2	Creation of 50/20 Mbps Last Mile RF links as per connectivity details given in Annexure-5.(d) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Bishrampur, Bhatgoan & Baikunthpur Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	91 Nos.	1,52,55,472.10	<hr/> (in fig.) <hr/> (in words)
	Total (Rs.)		1,61,53,755.05	

Schedule 'B'**Supply, Installation & commissioning of RTT/GBT**

Sl. No.	Description of work	Qty.	Estimated Cost (Incl. GST) (Rs.)	Rate quoted (in Percentage at par/Above/Below the estimated cost)
1	Supply, installation & commissioning of self-supporting RTT/GBT of 30 mtr. height suitable for mounting of 2 Nos. Antenna/RF equipment of 20/30 mbps	1 No.	3,38,512.50	<hr/> (in fig.) <hr/> (in words)

	Radio, with aviation light and tower earthing at Bishrampur Area.			
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Schedule ‘C’: AMC

Sl. No.	Description of work	Qty.	Estimated cost (Incl. GST) (Rs.)	Rate quoted (in Percentage at par/Above/Below the estimated cost)
1	Annual maintenance for item of Schedule ‘B’ for 2 nd year up to 5 th year (up to 21.12.2027)	1 Job	1,67,911.48	<hr/> (in fig.) <hr/> (in words)

Note:

- The rate quoted for RF link hiring shall be applicable for 1st and 2nd year of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate of previous year (2nd year), the rate applicable for 4th year shall be with 2% discount on the rate of previous year (3rd year) and the rate applicable for the 5th year shall have discount of 2% on the rate of previous year (4th year). If the contract is extended beyond 5th year, rate applicable shall be with a discount of 2% on the rate of 5th year (Refer clause 3.10.1 of Part-3)**
- The successful bidder shall conduct RF survey prepare network plan taking in consideration of line of sight availability, hop distance, link /fade margin for reliable communication, pole/tower requirement for antenna fixing and height ease of maintenance of equipment. Network/Link hiring is for a period from date of issue of LoA up to 21.12.22027 and provide RF connectivity as per details given Annexure –5.9(d).
- Hiring charges of RF links –Schedule ‘A’ will be paid on quarterly basis. The actual billing shall be done for the links commissioned.
- Supply and installation cost against items of Schedule ‘B’ will be paid, 90% on completion of work and 10% after warranty period of one year.
- AMC charges against Schedule ‘C’ will be paid on quarterly basis.
- After establishing the RF link connectivity, tenderer shall submit link commissioning certificate as per Annexure – 5.8.
- The estimated cost indicated are including GST (as applicable).
- The RF links provided shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.

Signature of the Tenderer

Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1481, Dt. 08.08.2023**Zone-5 : Hasdeo, Chirimiri and Jamuna & Kotma Area**

Name of the work: ‘Hiring of Last Mile RF links in South Eastern Coalfields Ltd.’s Hasdeo, Chirimiri and Jamuna & Kotma Area including Supply, Installation & Commissioning of 1 No. GB/RT Tower in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region.

Schedule ‘A’

Sl. No.	Description of work	Approx. no. of links/ point of connectivity	Estimated Hiring charges for the period from Sept-23 to 21.12.2027 (Including GST) (Rs.)	Rate quoted per link per annum* (Rs.)
1	Creation of 500 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(e) including supply & installation of Antenna pole up of required Height in South Eastern Coalfield Ltd. (SECL), Hasdeo, Chirimiri and Jamuna & Kotma Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	3 Nos.	26,94,848.87	<hr/> (in fig.) <hr/> (in words)
2	Creation of 100 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(e) including supply & installation of Antenna pole up of required Height in South Eastern Coalfield Ltd. (SECL), Chirimiri Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	1 No.	1,74,666.13	<hr/> (in fig.) <hr/> (in words)
3	Creation of 50/20 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(e) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Hasdeo, Chirimiri and Jamuna & Kotma Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period	98 Nos.	1,64,28,969.95	<hr/> (in fig.) <hr/> (in words)
	Total (Rs.)		1,92,98,484.95	

Schedule 'B'**Supply, Installation & commissioning of RTT/GBT**

Sl. No.	Description of work	Qty.	Estimated Cost (Incl. GST) (Rs.)	Rate quoted (in Percentage at par/Above/Below the estimated cost)
1	Supply, installation & commissioning of self-supporting RTT/GBT of 30 mtr. height suitable for mounting of 2 Nos. Antenna/RF equipment of 500 mbps Radio, with aviation light and tower earthing near Jamuna & Kotma Area Office.	1 No.	3,38,512.50	<hr/> (in fig.) <hr/> (in words)

Schedule 'C': AMC

Sl. No.	Description of work	Qty.	Estimated cost (Incl. GST) (Rs.)	Rate quoted (in Percentage at par/Above/Below the estimated cost)
1	Annual maintenance for item of Schedule 'B' for 2 nd year up to 5 th year (up to 21.12.2027)	1 Job	1,67,911.48	<hr/> (in fig.) <hr/> (in words)

Note:

- The rate quoted for RF link hiring shall be applicable for 1st and 2nd year of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate of previous year (2nd year), the rate applicable for 4th year shall be with 2% discount on the rate of previous year (3rd year) and the rate applicable for the 5th year shall have discount of 2% on the rate of previous year (4th year). If the contract is extended beyond 5th year, rate applicable shall be with a discount of 2% on the rate of 5th year (Refer clause 3.10.1 of Part-3)**
- The successful bidder shall conduct RF survey prepare network plan taking in consideration of line of sight availability, hop distance, link /fade margin for reliable communication, pole/tower requirement for antenna fixing and height ease of maintenance of equipment. Network/Link hiring is for a period from date of issue of LoA up to 21.12.22027 and provide RF connectivity as per details given Annexure –5.9(e).
- Hiring charges of RF links –Schedule 'A' will be paid on quarterly basis. The actual billing shall be done for the links commissioned.
- Supply and installation cost against items of Schedule 'B' will be paid, 90% on completion of work and 10% after warranty period of one year.
- AMC charges against Schedule 'C' will be paid on quarterly basis.
- After establishing the RF link connectivity, tenderer shall submit link commissioning certificate as per Annexure – 5.8.
- The estimated cost indicated are including GST (as applicable).
- The RF links provided shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.

Signature of the Tenderer

Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1482, Dt. 08.08.2023**Zone-6 : Sohagpur Area**

Name of the work: ‘Hiring of Last Mile RF links in South Eastern Coalfields Ltd.’s Sohagpur Area in Madhya Pradesh State for RailTel Corporation of India Ltd., Eastern Region.

Sl. No	Description of work	Approx. no. of links/ point of connectivity	Estimated Hiring charges for the period from Sept-23 to 21.12.2027 (Including GST) (Rs.)	Rate quoted per link per annum* (Rs.)
1	Creation of 500 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(f) including supply & installation of Antenna pole up of required Height in South Eastern Coalfield Ltd. (SECL), Sohagpur Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	1 No.	8,98,282.95	<hr/> (in fig.) <hr/> (in words)
2	Creation of 100 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(f) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Sohagpur Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	1 No	1,74,666.13	<hr/> (in fig.) <hr/> (in words)
3	Creation of 50/20 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(f) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Sohagpur Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	36	60,35,131.82	<hr/> (in fig.) <hr/> (in words)
	Total (Rs.)		71,08,080.90	

Note:

1. **The rate quoted shall be applicable for 1st and 2nd year of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate of 2nd year, the rate applicable for 4th year shall be with 2% discount on the rate of 3rd year and the rate applicable for the 5th year shall have discount of 2% on the rate of 4th year. If the contract is extended beyond 5th year, rate applicable shall be with a discount of 2% on the rate of 5th year (Refer clause 3.10.1 of Part-3)**
2. The successful bidder shall conduct RF survey prepare network plan taking in consideration of line of sight availability, hop distance, link /fade margin for reliable communication, pole/tower requirement for antenna fixing and height ease of maintenance of equipment. Network/Link hiring is for a period from date of issue of LoA up to 21.12.22027 and provide RF connectivity as per details given Annexure –5.9(f).
3. Hiring charges of RF links will be paid on quarterly basis. The actual billing shall be done for the links commissioned.
4. After establishing the RF link connectivity, tenderer shall submit link commissioning certificate as per Annexure – 5.8.
5. The RF links provided shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.

Signature of the Tenderer

Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1483, Dt. 08.08.2023**Zone-7 : Johilla Area**

Name of the work: ‘Hiring of Last Mile RF in South Eastern Coalfields Ltd.’s Johilla Area in Madhya Pradesh State for RailTel Corporation of India Ltd., Eastern Region.

Sl No	Description of work	Approx. no. of links/ point of connectivity	Estimated Hiring charges for the period from Sept-23 to 21.12.2027 (Including GST) (Rs.)	Rate quoted per link per annum* (Rs.)
1	Creation of 100 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(g) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	1 No	1,74,666.13	<hr/> (in fig.) <hr/> — (in words)
2	Creation of 50/20 Mbps Last Mile RF links as per connectivity details given in Annexure-5.9(g) including supply & installation of Antenna pole up of required height in South Eastern Coalfield Ltd. (SECL), Area in Chhattisgarh State for RailTel Corporation of India Ltd., Eastern Region and its maintenance for the contract period.	36 Nos.	60,35,131.82	<hr/> (in fig.) <hr/> — (in words)
	Total (Rs.)		62,09,797.95	

Note:

- The rate quoted shall be applicable for 1st and 2nd year of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate of 2nd year, the rate applicable for 4th year shall be with 2% discount on the rate of 3rd year and the rate applicable for the 5th year shall have discount of 2% on the rate of 4th year. . If the contract is extended beyond 5th year, rate applicable shall be with a discount of 2% on the rate of 5th year (Refer clause 3.10.1 of Part-3).
- The successful bidder shall conduct RF survey prepare network plan taking in consideration of line of sight availability, hop distance, link /fade margin for reliable communication, pole/tower requirement for antenna fixing and height ease of maintenance of equipment. Network/Link hiring is for a period from date of issue of LoA up to 21.12.22027 and provide RF connectivity as per details given Annexure –5.9(g).
- Hiring charges of RF links will be paid on quarterly basis. The actual billing shall be done for the links commissioned.
- After establishing the RF link connectivity, tenderer shall submit link commissioning certificate as per Annexure – 5.8.
- The RF links provided shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.

Signature of the Tenderer

Chapter – 4

BID DATA SHEET

Reference	Description
Notice Inviting Tender (Page-3)	Hiring of Last Mile RF links including Supply, Installation & Commissioning GB/RT Towers in South Eastern Coalfields Ltd.'s Area in Chhattisgarh and Madhya Pradesh States for RailTel Corporation of India Ltd., Eastern Region.
Eligibility Criteria	Please Refer (Part -3, Clause- 3.2)
Tender notice	<p>Last date of submission (online) Date: 29.08.2023 Time: 14:00 hrs.</p> <p>Date of opening of tender (online) Date: 29.08.2023 Time: 14:30 hrs.</p> <p>Public Online Tender Opening Event (TOE) through e-Tendering portal of eNivida portal</p>
Venue	RailTel Corporation of India Limited, 19th Floor, Aurora Waterfront Building, Plot No. 34/1, Block GN, Sector-V, Salt Lake City, Kolkata – 700 091
Earnest Money Deposit	Earnest Money Deposit shall be submitted as indicated in the tender notice.
Part-1, Invitation of Bid (Chapter-1, Clause-13 & Chapter-2, Clause-2.2)	<p><u>Validity of bids:</u> 60 days from date of opening of tender</p> <p>In case the purchaser requests in writing, the bidder as to extend the period of validity of their bids, they may confirm the extension of the validity of their bids in writing unconditionally. A bidder may refuse the request without forfeiting its EMD. A bidder accepting the request and granting extension will not be permitted to modify its bid.</p> <p><u>Documents and Certification:</u> Each of documents/certificates in support of credentials uploaded in e-tendering portal by the tenderer shall be digitally signed by the tenderer or authorized representative of the tendering firm. Only those documents which are declared explicitly by the tenderer as “documents supporting the claim of qualifying the laid down eligibility criteria”, will be considered for evaluating his/their tender.</p> <p>The tenderers shall submit a notarized affidavit on a non-judicial stamp paper stating that they are not liable to the disqualified and all their statements/documents submitted along with bid are true and</p>

	<p>factual. Standard format of the affidavit to be submitted by the bidder is enclosed as Annexure-A. Non submission of an affidavit by the bidder shall result in summary rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested by which they/he is qualifying the qualifying criteria mentioned in the Tender Document. It will not be obligatory on the part of the RailTel to scrutinize beyond the submitted document of the tenderer as far as his qualification for the tender is concerned.</p>
<p>Performance Guarantee (Part--3, Clause-3.26)</p>	<p>Successful tenderer shall submit a Performance Guarantee (PG) valid for 55(52+3) months, within 30days from the date of issue of Purchase Order/letter of acceptance. The amount of PG will be 10% of the value of work awarded including GST. The PG shall be submitted as per terms and conditions given in clause no. 3.26, Format of Performance Bank Guarantee is enclosed in Annexure-5.5</p>
<p>Duration of contract</p>	<p>The period from the date of issue of Letter of acceptance up to 21.12.2027. If desired by RailTel, the Contract may be extended by one year with the rate of 5th year with the same terms & conditions.</p>
<p>Queries/ Clarifications (Chapter-1, Clause 3.5)</p>	<p><u>Clarification Requests:</u> Last date of Submission of Queries/ Clarifications: 16.08.2023</p>

Part - 1

Invitation to Bid

1.1 Scope of work:

The scope of work includes the following:

- a. Conduct RF feasibility Survey for network/ links connectivity of various links at South Eastern Coalfields Limited's area as per link details given in Annexure 5.9a/b/c/d/e/f/g. AC Power Supply at connectivity points Vendor may use AC operated RF equipment. RF Network shall be planned in Point to Point or ring topology - connecting at two or more Points of connectivity. RailTel's/SECL's existing UHF/MW tower can be used for the connectivity free of cost. However, where new tower/pole etc. required as per site condition, the service provider shall erect GBT/RTT or pole for erection of antenna at their own cost. RailTel may arrange land permission for GBT/RTT or pole for erection in Railway area/ SECL's sites. The feasibility Survey report shall be submitted along with the offer. SECL's Point of connectivity shall be their Way Bridge/ office/ store/ workshop etc.
- b. Supply and erection of GBT/RTT including foundation work, as per Schedule 'B' & Annexure-5.8.
- c. Periodic Maintenance of GBT/RTT, for contract period.
- d. The work includes supply & installation of new tower/pole etc. as per requirement, supply of Radio Equipment and other equipment and installation at SECL's premises/ RailTel PoPs and commissioning of Radio links. The service provider shall submit the technical specification of the Radio and other equipment and consent of RailTel shall be obtained before supply at site.
- e. Earthing equipment and GBT & pole and provision of lightning protection at RailTel PoP existing tower earth can be used for earthing of Radio and other equipment. For new GBT & pole, service provider has to provide earthing wherever required.
- f. For commissioning of the links, Joint Testing of links shall be done with RailTel officials and including checking of parameters.
- g. If the SECL's requirement is shifted to new location and connectivity is required at the new location, Service Provider has to shift communication equipment to the new location, establish the link from the new location. No charges will be paid for shifting, establish the link from the new location.
- h. RailTel may place order for additional links up to 125% of the order quantity if required, with the same rate terms and conditions to the Service Provider. The variation of quantity from 125% to 140% will be with 2% rebate, the variation of quantity from above 140% to 150% will be 4% rebate and beyond 150% after negotiation by a committee.

1.2 Invitation

The bidders desirous of taking up the project for supply of above solution for RailTel are invited to submit their technical and commercial proposal in response to this tender. The criteria and the actual process of evaluation of the responses to this Tender and subsequent selection of the successful bidder will be entirely at the RailTel's discretion. Bidders have to adhere to the RailTel's requirements outlined in this Tender Document.

The information provided by the bidders in response to this Tender document will become the property of RailTel and will not be returned. RailTel reserves the right to amend, rescind or reissue this Tender and all amendments will be advised to the bidders and such amendments will be binding on them.

Bidder may quote single Zone/Tender or multiple the Zones/Tenders; one bidder can be awarded maximum 4 Zone/Tenders. However, the successful bidder has to (a) Commission RF links within 60 days of award of work in all the Zones/Tenders awarded (b) They have to provide separate RF maintenance teams with maintenance tools and equipment for each awarded Zone during the entire contract period. For efficient round the clock maintenance support, the maintenance team shall reside in within the jurisdiction of the zone for which work is awarded.

1.3 Tender Terminology

Definitions – Throughout this Tender, unless inconsistent with the subject matter or context, the terms used should be interpreted as given under:

- a) “Bidder”/ “Service Provider” (“SP”)/ “Telecom Service Provider” (“TSP”) / “Supplier”/ “Contractor”/ “Vendor” / “You” / “He” / “They” -- (unless repugnant to the context) – An eligible entity/firm submitting a Proposal/Bid in response to this Tender
- b) “RailTel”/ “RCIL”/ “Purchaser”/ – Meaning of these terms shall be determined in context and may mean without limitation “RailTel Corporation of India Ltd., Eastern Region”
- c) “Proposal”/ “Bid” – the Bidder’s written reply or submission in response to this Tender.
- d) “Tender Document” – the Tender (this document) in its entirety, inclusive of any addenda or amendments/ corrigendum issued by RailTel Corporation of India Ltd., Eastern Region
- e) “Solution”/ “Services”/ “Work”/ “System”/ “IT System” / “Connectivity” / “Link” – means all services, scope of work and deliverables to be provided by a Bidder as described in the Tender and include services ancillary to the development of the solution, such as installation, commissioning, integration with existing systems, provision of technical assistance, training, certifications, auditing and other obligation of the Supplier covered under this Tender.
- f) “ITB” – means Instructions to the Bidder.

- g) “Link” – means from the communication equipment kept at the Customer premises to the communication equipment kept at other end of customer premises or at the RailTel PoP.
- h) “The Contract” / “Contract” -- means the agreement entered into between the RailTel and the Vendor, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- i) “The Contract Price” means the price payable to the Vendor under the Contract for the full and proper performance of its contractual obligations.
- j) “TCC” means the Terms and Conditions of Contract contained in Part-4.
- k) Pole would mean pole or mast or antenna or tower of the requisite specifications, as the case may be.
- l) Roof top rights would mean right to install RF pole on any part of the SECL’s building /RailTel PoP/ Railway building/ premises/ building/ terrace/roof /front yard/courtyard/ backyard etc.
- m) Compliance to Government regulations would mean compliance to all Central Government, Ministry of Communication & Information Technology (WPC), State Government, Union Territory Municipal Body, Panchayat etc. regulations.

Contact Numbers	Phone: 033-44041499
All correspondence relating to this tender should be sent to the following e-mail ids	upendrakumar@railtelindia.com, skdogra@railtelindia.com

- Price bids of only technically qualified bidders shall be opened by RailTel.
- If desired by the bidder, one representative of each vendor bidder may be present during the opening of the Tender.

PART - 2

DISCLAIMER

The information contained in this Tender document or information provided subsequently to Bidder(s) or applicants whether verbally or in documentary form by or on behalf of the RailTel, is provided to the Bidder(s) on the terms and conditions set out in this Tender document and all other terms and conditions subject to which such information is provided.

This Tender document is neither an agreement nor an offer and is only an invitation by the RailTel to the interested parties for the submission of bids. The purpose of this Tender is to provide the Bidder(s) with information to assist the formulation of their bids. This Tender does not claim to contain all the information that each Bidder may require. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this Tender document and where necessary obtain independent advice. RailTel makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this Tender. RailTel may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this Tender. No contractual obligation whatsoever shall arise from the Tender process until a formal contract is signed and executed by duly authorized officials of the RailTel with the selected Bidder.

PART 3**INSTRUCTIONS FOR BIDDERS****Table of Clauses**

Clause No.	Topic
3.1	Broad Scope of the Work
3.2	Eligibility Criteria
3.3	Offers by a third party
3.4	Duration of Contract
3.5	Cost of Bidding
3.6	Documents constituting the Tender
3.7	Clarifications / Amendments
3.8	Language of Bid
3.9	Documents comprising the Bid
3.10	Bid Price
3.11	Delivery schedule and penalty for delayed deliveries
3.12	Documentary evidence establishing bidders eligibility and qualifications
3.13	Documentary evidence establishing products and conformity to bidding documents
3.14	Earnest Money Deposit
3.15	Period of Validity of bid
3.16	Format of Bid
3.17	Last date and time for submission of bid
3.18	Modification Withdrawal of Bids
3.19	Opening of bids by the RailTel
3.20	Preliminary Evaluation
3.21	Evaluation of Bids
3.22	Contacting RailTel
3.23	Award Criteria
3.24	RailTel's right to accept Any Bid and to reject any or All Bids
3.25	Notification of award
3.26	Contract Performance Bank Guarantee/Security Deposit
3.27	Signing of Contract
3.28	Miscellaneous

PART - 3

A. INTRODUCTION

3.1. **Broad scope of the work: -**

- 3.1.1 Bidder shall provide connectivity on 24 X 7 X 365 basis.
- 3.1.2 The bidder shall provide RF Last Mile network/ link connectivity diagram and details as per point of connectivity given in Annexure – 5.9 a/b/c/d/e/f/g.
- 3.1.3 Bidder should provide the details of the technology used related to RF connectivity related to the proposed solution in the following domains:
- Devices used for end to end connectivity
 - Details of the features available/integrated availability of service along with technical specification
- 3.1.4 The selected vendor shall carry out necessary configuration changes (if required) in their network, as advised by the RailTel from time to time at no extra cost to RailTel.
- 3.1.5 The RF network/ links shall be dedicated for the project under the scope of this Tender. The sharing of the links shall not be permitted unless prior approval is taken from RailTel. The sharing permission, issued by the RailTel on the receipt of a written request from the selected bidder, may be either on a temporary or on a permanent basis. The decision for the same shall be at the sole discretion of RailTel.
- 3.1.6 The links at the RailTel PoP shall terminate on a layer- 3 device to be provided by RailTel. The responsibility of the bidder for managing the connectivity shall be from SECL site up to the layer 3 devices, provided by RailTel at the Point of Presence most cases at SECL Way Bridges/ offices etc. Laying of cables from antenna to the device and providing Ethernet Surge Protection Device at both ends of the cable shall be the responsibility of the bidder.
- 3.1.7 The bidder will ensure that each location is receiving sufficient signal level and if required Repeater /Towers shall be provided for. Such BTS/Repeater should be in line of sight of SECL's location.
- 3.1.8 The bidder will try and achieve feasibility through microwave tower an antenna/pole/ mast of a height less than 12 meters, which will be at the bidder's cost. However, in case a antenna/mast of greater height is required, specific reference per site, detailing reasons, needs to be made to RailTel prior to setting up such antenna/mast. RailTel/customer will ordinarily not refuse approvals for such references, however the bidder has to also bear the cost of such higher antenna/masts and related additional equipment.
- 3.1.9 All clearances, wherever required, in respect of the tower/mast/pole/antenna from any government/ local /statutory bodies etc. like municipal corporations, airport authorities are the responsibility of the bidder.

- 3.1.10 The bidder can share end to end infrastructure with third parties with the permission from RailTel infrastructure, but the responsibility of the ownership, SLA, confidentiality etc. rests with the bidder.
- 3.1.11 Selected bidder shall provide committed bandwidth as per requirement given in SOR at each location and make it available continuously. RailTel shall have visibility of the same.
- 3.1.12 The Purchase Orders (POs) shall be issued by the RailTel Corporation of India Ltd., Eastern Region and the payments shall also be made by the PO issuing authority.
- 3.1.13 The successful bidder has to commission the links within 60 days from date of issue of PO/Work Order. The links required to make a Customer premises equipment live, shall be commissioned at sites specified by the RailTel in the LOI/POs, asap. However, for the purpose of delayed commissioning penalty, the following clause will also be operative per purchase order:
- 3.1.14 Subject to any requirement in the contract as to completion of any portion or portions of the works before completion of the whole, the Contractor shall fully and finally complete the whole of the works comprised in the contract (with such modifications as may be directed under conditions of this contract) by the date entered in the contract or extended date in terms of the following clauses:
- 3.1.15 If any modifications have been ordered which in the opinion of the Engineer have materially increased the magnitude of the work, then such extension of the contracted date of completion may be granted as shall appear to the Engineer to be reasonable in the circumstances, provided moreover that the Contractor shall be responsible for requesting such extension of the date as may be considered necessary as soon as the clause thereof shall arise and in any case not less than one month before the expiry of the date fixed for completion of the works.
- 3.1.16 If in the opinion of the Engineer the progress of work has any time been delayed by any act or neglect of RailTel's employees or by other Contractor employed by the RailTel these conditions or in executing the work not forming part of the contract but on which Contractor's performance necessarily depends or by reason of proceeding taken or threatened by or dispute with adjoining or neighboring owners or public authority arising otherwise through the Contractor's own default etc. or by the delay authorized by the Engineer pending arbitration` or in consequences of the Contractor not having received in due time necessary instructions from the RailTel for which he shall have specially applied in writing to the Engineer or his authorized representative then, upon happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer within 15 days of such happening but shall nevertheless make constantly his best endeavors to bring down or make good the delay and shall do all that may be reasonably required of him to the satisfaction of the Engineer to proceed with the works. The Contractor may also indicate the period for which the work is likely to be delayed and shall be bound to ask for necessary extension of time. The engineer on receipt of such request from the Contractor shall consider the same and shall grant such extension of time as in his

opinion is reasonable having regard to the nature and period of delay and the type and quantum of work affected thereby. No other compensation shall be payable for works so carried forward to the extended period of time, the same rates, terms and conditions of contract being applicable as if such extended period of time was originally in the original contract itself.

- 3.1.17 In the event of any failure or delay by the RailTel to hand over the Contractor permission necessary for the execution of the works or to give the necessary notice to commence the works or instructions or any other delay caused by the RailTel due to any other cause whatsoever, then such failure or delay shall in no way affect or vitiate the contract or alter the character thereof or entitle the Contractor to damages or compensation therefore but in any such case, the RailTel may grant such extension or extensions of the completion date as may be considered reasonable.
- 3.1.18 **Extension of time for delay due to Contractor** – The time for the execution of the work or part of the works specified in the contract documents shall be deemed to be the essence of the contract. The Contractor has to complete the link commissioning within the time as specified in the contract for the reasons other than the reasons specified in Force Majeure clause 4.13.
- 3.1.19 For each site, an “Commissioning Certificate/ In-operation Certificate” as per Annexure 5.8 indicating the date of installation, list of hardware equipment/devices installed at the site along with their make/model and unique serial numbers, address of the site etc. signed jointly by the representatives of the bidder and RailTel official shall be provided by the bidder to the authority issuing the Purchase Order. After the bidder intimates that a link is ready and terminated on the router at the site, RailTel will configure the router and carry out acceptance test within three days. However, if the RailTel advises the bidder within time regarding failure of acceptance test, the process will start over again with the intimation of link readiness by the bidder and so on till commissioning of the link. The methodology for the test will be at the discretion of the RailTel. The link is deemed to be successfully commissioned only if the acceptance test results are found satisfactory. The communication of having successfully commissioned the link will be furnished by the authorized official of the RailTel. The vendor has to carry out the following tests and should hand over their reports to RailTel:
 - 3.1.20.1 Tests and results depicting that the link complies with Network Performance parameters specified at Annexure 5.1 “Technical Specifications”
 - 3.1.20.2. Load test to ascertain bandwidth. The testing may be done by firing multiple ftp downloads and uploads between the location. RailTel, however, reserves the right to conduct the load testing though any other methods as per market practice.
 - 3.1.20.3 Any to any reachability test
- 3.1.21 Acceptance tests will be conducted by RailTel at its premises or its Network Operations Centre (NOC). The date of successful commissioning of the link shall be the “Start date for billing”.

- 3.1.22 The date of commissioning for different links may be different. The date of successful commissioning shall be the start date for calculation of rentals etc.
- 3.1.23 It shall be the responsibility of the Bidder to configure the solution as per the Secure Configuration of the link, fixing security vulnerabilities, mitigation of various audit points and taking prompt action on the advisories shared by the Customer at any point of time during the validity of the contract period.
- 3.1.24 The connectivity cost between the Customer Premises and/or RailTel PoP (including all hardware and software components) shall be on (consolidated) quarterly rental basis.
- 3.1.25 Maintenance and upkeep of all network equipment provided by bidder shall be the responsibility of the bidder and shall, particularly preventive maintenance, be as per Annexure 5.4. Customer will provide necessary power and proper earthing for equipment to be deployed by the bidder. Customer & RailTel shall have no responsibility for any damage to the equipment on account of voltage fluctuation, etc. unless pointed out by the bidder during preventive maintenance visits.
- Bidder shall take adequate insurance cover for the equipment provided at the site against any loss, damage, pilferage, theft damage and fire etc. at his own cost.
- 3.1.26 If vendor finds that connectivity is not through till Customer premises equipment, vendor has to fix the issue by sending his field engineer to concerned Customer premises. During the location visit, if the field engineer finds that CP Equipment is malfunctioning/down states, the vendor has to escalate the matter to RailTel NOC to a pre designated email ID provided by RailTel to the vendor. A suitable mention must be also made by the vendor's FE in the Field visit report submitted to RailTel.
- 3.1.27 Bidder shall maintain the connectivity at each location on 24*7 basis and shall rectify the defect by pro-active monitoring so as to maintain the Service Level Agreement (SLA). In cases of complaint lodges, email, phone number etc. with the designated officials of the bidder, should also be available. Bidder has to provide the call registration process and escalation matrix. The bidder shall issue a unique number identifying the complaint lodged by RailTel irrespective of the mode used.
- 3.1.28 The Bidder shall provide site-wise uptime along with bandwidth utilization on monthly basis in the form of a report, as also on the dash board.
- 3.1.29 During the tenure of the contract or till link is being used at the site, the bidders shall bear all the operational costs associated with link commissioned.
- 3.1.30 Bidder has to ensure safe delivery of the equipment up to the designated place of installation. Any transit insurance, permission, taxes, labor, tools and tackles, road permit etc., if required for the same, shall be arranged by the Bidder at no extra cost to the RailTel. No additional time for delivering of equipment will be given to vendor on account of issues related to road permit, government taxes, government or local body permissions, etc., nor will the RailTel provide any documents required for transportation and delivery.

- 3.1.31 Bidder shall ensure that during various phases of implementation, the performance, security, etc. of the existing setup is not compromised.
- 3.1.32 In case Bidder is unable to carry out configuration or any job mentioned as per the Tender document during the implementation and/or during warranty/support period, the Bidder has to get that job or configuration done through the concerned OEM/third party at no additional cost to the RailTel. However, approval of the Customer shall be required before carrying out such activities.
- 3.1.33 Bidder shall ensure that all supplies (hardware, software etc.) must not be End of Support / End of Service and spares/upgrades should be available for minimum five years from date of commissioning.
- 3.1.34 Vendor shall deploy one maintenance team for each Zone awarded, with minimum manpower and equipment as follows:
1. Rigger -1 No.
 2. Helper - 1 No.

The maintenance team shall have minimum the following tools/ equipment:

1. Multimeter – 1 No.
2. Spare Power Supply of Equipment/ Spare Radio Equipment, spare cards & modules, spare cable etc. of RF equipment – 1 Lot
3. Personal protective equipment as found necessary like Safety Helmets conforming to IS – 2925,.Safety Belts conforming to IS – 3521, Safety Shoes conforming to IS – 1989 etc. for climbing of pole/tower, lighting arrangement : 1 Lot

The contact details of the Maintenance Team shall be shared with RailTel. The Maintenance Team should be easily reachable.

- 3.1.35 It shall be the responsibility of the selected bidder to provide replacement for damaged equipment (or any of its components). In order to minimize the time required to make such sites operational within the SLA parameters, the selected bidder should keep adequate number of spare equipment and components at suitable places so that same may be provided as per the timelines mentioned above. Space required for storing such spares may or may not be provided by the Customer depending on the availability of secure places at their premises. The selected bidder will have to make their own arrangements for storing the spares in case the Customer is unable to provide the required space.
- 3.1.36 Vendor shall identify adequate number of Field Engineers (FEs) at the ground level. The contact details of these FEs will be shared with RailTel. The FEs should be easily reachable, particularly during the office hours.
- 3.1.37 The Field engineers will preferably be full time employees of the vendor having with at least one year domain expertise.

- 3.1.38 Bidder shall not charge any additional commercials for migrating the network from IPv4 to IPv6 as and when advised by the RailTel, during the validity of the contract period.
- 3.1.39 Bidder has to maintain proper and updated documentation of the network (including the physical and logical setup at each site of the Customer, an incident register, master database of all sites under the scope of this Tender etc.) at a central location throughout the contract period in the prescribed format as specified by RailTel, which will be shared with selected vendors.

The successful bidder shall provide the following:

An official Responsible as a single point of contact for any escalations
Ensure committed delivery on the project rollout front.

Ensure committed delivery on the network uptime front.

Ensure that the project timelines are met in a smooth fashion

Ensure compliance of the Contract and SLAs through supervising the performance of other personnel of the Bidder involved in service deliveries etc.

Single point of contact for any information sought by the RailTel.

Managing/Supervising timely resolution of escalations/tickets via Technical Engineer(s)

Responsible for all technical issues concerning the network.

Single point of contact for all technical queries and fault resolution.

Shall have the primary responsibility of ensuring a smooth network functioning without congestion, and downtime.

- 3.1.40 Additionally, the bidder will provide the following setup for compliance with SLAs
- i) It will be the responsibility of the bidder to submit monthly SLA reports/Exception Reports to RailTel including the downtime penalty calculations.
- 3.1.41 Bidder has to submit escalation matrix and keep it up to date during the entire period of the contract.
- 3.1.42 Bidder shall provide, without any additional cost to the RailTel, adequate protection for the masts/pole/antenna like Platform/Monkey protection cage/Snow Shield/other obstructions wherever necessary, to prevent disturbances to the alignment causing communications failure. Any other equipment which are not mentioned in this Tender Document but are required for making the Customer Premises Equipment live on the network via wireless link shall be provided by the selected bidder at no extra cost to RailTel.
- 3.1.43 The RailTel may seek information (such as status/updates on various issues, link related queries, clarifications on SLA reports etc.) from time to time during the tenure of the

contract. The selected bidder shall have to provide the necessary information within the timelines specified during the request for the same by RailTel. However, extension in the time may be requested by the selected bidder by providing reasons for the same before the expiry of the timelines specified by RailTel.

- 3.1.44 RailTel reserves the right to migrate a Customer link (covered under this Tender) to some other technology (that may be provided by some other service provider) at any stage during the contract period with RailTel. In such cases, the selected bidder has to ensure the shifting and commissioning of the given link at any other feasible site as specified by the RailTel.
- 3.1.45 RailTel shall only pay the quarterly rentals for RF links hired and no additional cost shall be paid to the bidder including (but not limited to) the cost incurred by the bidder for the maintenance of equipment/devices provided by the bidder under this Tender configuration, repairs to the equipment/ replacements (even when the factors are beyond the control of the vendor) etc.
- 3.1.46 If the Customer site/ location is shifted, and the last mile connectivity is through RF, RailTel will not provide shifting charges where shifting is requested. If shifting to the new site is not possible due to non-feasibility, the link will be surrendered.
- 3.1.47 Notwithstanding anything mentioned above, the RailTel reserves the right to reject the contract or cancel the entire process without assigning reasons thereto.
- 3.1.48 The Service Provider agrees for the following continuity arrangements to ensure the business continuity of RailTel:
 - a. In the event this Agreement comes to end on account of termination or by the expiry of the term/ renewed term of the Agreement or otherwise, the Service Provider shall render all reasonable assistance and help to the RailTel and to any new contractor engaged by the RailTel, for the smooth switch over and continuity of the Services.
 - b. In the event of failure of the Service Provider to render the Service, without prejudice to any other right the RailTel shall have as per this Agreement, the RailTel at its sole discretion may make alternative arrangements for getting the Services from any other sources and if the RailTel gives a prior notice to the Service Provider before availing such service from any other alternative source, the Service Provider shall be liable to reimburse the expenses, if any incurred by the RailTel in availing such services from the alternative source.

3.2 **Eligibility Criteria:**

- 3.2.1 **A bidder may quote for single Zone or multiple Zone or Tender. Each Zone (clubbed area) shall be treated as separate tender for evaluation purpose and tenderer need to have requisite technical and financial eligibility to qualify for multiple Zone/ tender, if so quoted, and will be dealt accordingly.**
- 3.2.2 **Fulfillment of eligibility criteria as mentioned in the tender document is a pre-requisite for consideration of the offer of the tenderer.**

3.2.3 The rates quoted by the tenderer in a section/tender shall have no bearing on the rates quoted by him for any other section/tender. Each section/tender shall be treated as a separate tender and the tender will be finalized accordingly. For the purposes of arriving at the valid lowest rate, each section/tender shall be considered as a separate entity. Separate tender document shall be used for each section/tender.

3.2.4 One bidder can be awarded maximum 4 Zone/Tenders. However, the successful bidder has to (a) Commission RF links within 60 days of award of work in all the Zones/Tenders awarded (b) Provide separate RF maintenance teams with maintenance tools and equipment for each awarded Zone during the entire contract period.

Tenders will be finalized serially i.e., from Zone-1 to Zone-7.

Bidders meeting the following criteria are eligible to submit their Bids. The supporting documents shall be uploaded by the e-tenderer.

- The vendor should have commissioned and maintained minimum 35% of advertised number of RF links or RF network with connectivity points of each with minimum 20 Mbps data rate for a period of minimum one year for one or more reputed Institution/ Central Govt. organization / PSU/ Telecom/ Datacom Service provider during the current year and the last three financial years:

Zone/Tender No.	Minimum number of RF links or RF network with connectivity points of each with minimum 20 Mbps data rate for a period of minimum period of one year
Zone-1: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1477 Dt. 08.08.2023	36 Nos.
Zone-2: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1478 Dt. 08.08.2023	32 Nos.
Zone-3: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1479 Dt. 08.08.2023	24 Nos.
Zone-4: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1480 Dt. 08.08.2023	32 Nos.
Zone-5: Tender No RailTel/Tender/OT/ER/HQ/2023-24/1481 Dt. 08.08.2023	36 Nos.
Zone-6: Tender No RailTel/Tender/OT/ER/HQ/2023-24/1482 Dt. 08.08.2023	13 Nos.
Zone-7: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1483 Dt. 08.08.2023	13 Nos.

- RF Equipment manufacturer's authorization letter shall be submitted.
- Successful bidder shall deploy experienced engineer at site during installation & commissioning.

Document to be submitted:

Copy of PO/Contract Agreement with satisfactory user's certificate/ completion of the work from the client / other documentary proof for execution of work and maintaining minimum required number RF links for a minimum period of 12 months.

Financial:

a. Other than startup:

The tenderer must have received contractual payments in the previous three financial years and the current financial year up to the date of inviting of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet :

Note: If audit for FY 2022-23 is not yet completed, then turnover certificate for FY2022-23 along with declaration that audit is under process for FY 2022-23 from Chartered Accountant is to be submitted

Zone/Tender No.	150% of the advertised value of the tender
Zone-1: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1477 Dt. 08.08.2023	Rs. 2,78,72,838/-
Zone-2: Tender No RailTel/Tender/OT/ER/HQ/2023-24/1478 Dt. 08.08.2023	Rs. 2,61,81,625/-
Zone-3: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1479 Dt. 08.08.2023	Rs. 1,78,80,247/-
Zone-4: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1480 Dt. 08.08.2023	Rs.2,49,90,269/-
Zone-5: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1481 Dt. 08.08.2023	Rs. 2,97,07,363/-
Zone-6: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1482 Dt. 08.08.2023	Rs. 1,06,62,121/-
Zone-7: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1483 Dt. 08.08.2023	Rs. 93,14,697/-

b. For Startup: (recognized by Department of Industrial Policy and promotion, Ministry of Commerce & Industry)

The tenderer must have received contractual payments in the previous three financial years and the current financial year up to the date of inviting of tender, at least 50% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet.

Zone/Tender No.	50% of the advertised value of the tender
Zone-1: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1477 Dt. 08.08.2023	Rs. 92,90,946/-
Zone-2: Tender No RailTel/Tender/OT/ER/HQ/2023-24/1478 Dt. 08.08.2023	Rs. 87,27,208/-
Zone-3: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1479 Dt. 08.08.2023	Rs. 59,60,082/-
Zone-4: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1480 Dt. 08.08.2023	Rs. 83,30,090/-
Zone-5: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1481 Dt. 08.08.2023	Rs. 99,02,454/-
Zone-6: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1482 Dt. 08.08.2023	Rs. 35,54,040/-
Zone-7: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1483 Dt. 08.08.2023	Rs. 31,04,899/-

(Note: Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India).

The tenderer should have Registration number for GST and any other statutory registration that will be introduced by Govt. of India/State Govt. of India during the currency of the contract or the tenderer shall give the undertaking to submit the same on acceptance of tender in respective state where work is to be executed.

Client References contact details (e mail/ land line mobile number) of the customers for whom bidder has executed similar Projects (Start date and End date of project to be mentioned) in the past three years and which will be running as on date of submission of bid.

Document to be submitted: At least one client reference

The bidder should not have been blacklisted/debarred for corrupt and fraudulent practices by Govt. Organizations.

Document to be submitted: *Self-declaration on the letter head.*

Documentary evidence must be furnished against each of the above criteria along with an index. All documents must be digitally signed by the authorized signatory of the bidder. Relevant portions, in the documents submitted in pursuance of eligibility criteria, should be highlighted.

3.3 **Offers by a Third-Party**

The vendors are not permitted to authorize their dealers/distributors/partners/franchisees / subsidiaries / sister concerns etc., (including individuals and third party firms/companies) to submit the tender-related documents on their behalf. RailTel will summarily reject such requests and arrangements.

3.4 **Duration of contract**

3.4.1 **The contract shall be valid for a period from the date of issue of LoA/Purchase Order of the work up to 21.12.2027 and RailTel may extend further maximum 12(twelve) months period if required. In case of extension of the contract, the terms and conditions of this Tender will be applicable, unless stated otherwise. If the contract is extended the tenderer shall submit Performance Security at the prevailing rate of the contract value for extended period and further 3 months.**

3.4.2 **However if the bidder does not perform as per satisfaction of RailTel reserves the right to terminate the contract as per clause no. 4.12 of the tender by forfeiting the security money/BG, after serving 3 months notice. If the bidder desires to quit from the services, the contract can be terminated by forfeiting the security money/BG, after serving 3 months notice and the bidder will be barred to participate in similar work at RailTel/Eastern Region for a period of 12 months.**

3.5 **Cost of Bidding:**

3.5.1 The Bidder shall bear all costs associated with the preparation and submission of their Bid, and RailTel will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the Bidding process. The bidder will also bear the applicable cost of the stamp duties and any other legal expenditure, present and future, in respect of all agreements that may be entered into RailTel and the Bidder as an outcome of this Tender.

3.5.2 The successful bidder shall bear all cost relating to UAT & SAT of the solution provided by the bidder. For doing the security review, the bidder will have to give access to the RailTel/RailTel's customer/its authorized representatives, including third party representatives.

3.6 **Documents constituting the Tender:**

The RFP includes the following along with the amendments (if any):

- (a) PART 1 - Invitation to Bid
- (b) PART 2 - Disclaimer
- (c) PART 3 - Instruction for Bidders
- (d) PART 4 - Terms and Conditions of Contract (TCC)
- (e) PART 5 - Requirement Specifications, Bid Forms and other forms

The Bidder is expected to examine all instructions, forms, terms and specifications in the Tender. Failure to furnish all information required by the Tender or submission of a Bid not substantially responsive to the Bidding Document in every respect will be at the Bidder's risk and may result in the rejection of the Bid.

3.7 **Clarifications / Amendments**

- 3.7.1 Bidder requiring any clarification of the Tender may notify the RailTel in writing to the given email-ids on or within the 8 days from publication of the tender.
- 3.7.2 Text of raised queries (without identifying source of query) and response of RailTel together with the amendment to the bidding document, if any, will be sent to the bidders through email.
- 3.7.3 Relaxation in any of the terms contained in the Bid, in general, will not be permitted, but if granted, the same will be uploaded in RailTel website and eNivida e-tender portal only.
- 3.7.4 At any time prior to the deadline for submission of Bids, RailTel, for any reason, whether, at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the Bidding Document, by amendment –will be uploaded in RailTel website only.
- 3.7.5 In order to enable the bidders a reasonable time in which to take amendments into account in preparing the bids, RailTel, at its discretion, may extend the deadline for submission of bids. Such amendments will be uploaded in RailTel website.
- 3.7.6 All bidders must ensure that such clarifications / amendments have been considered by them before submitting the bid. RailTel will not take responsibility for any omissions by the bidder.

3.8 **Language of Bid**

The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Bank and supporting documents and printed literature shall be submitted in English only.

3.9 **Documents Comprising the Bid**

3.9.1 Documents in the **Technical Proposal Envelope**, should contain the following:

- a) A full description of the solution along with logical diagrams (showing all the components being offered as part of solution), which must provide an acceptable solution. Any Technical Bid containing any Price information will be rejected.
- b) Compliance to Technical specifications (Annexure-5.1)
- c) Offer Letter/Bid Form (Annexure-5.2)
- d) Acceptance of SLA Terms and Conditions for Hardware, Software, Maintenance and Support Services (Annexure -5.4)
- e) Documentary evidence for submission of EMD, cost of tender document/exemption from submission.
- f) Bidder's organization profile (Annexure-5.6).
- g) Documentary evidence establishing that the Bidder is eligible to Bid and is qualified to perform as per Clause 3.2 and 3.13 of the Bidding document.

3.9.2 Tender document must be digitally signed and uploaded in e-tender portal by the authorized signatory of the bidder confirming acceptance to all terms and conditions of this Tender.

3.9.3 Documentary Evidence Establishing Eligibility of Products and Conformity to Bidding Documents as per clause 3.12.

The above documents should be signed by the authorized representative of the Bidder (authorizing representative to bid and make commitments on behalf of the Bidder to be attached).

3.9.4 The Techno-commercial Bid should be uploaded in e-tender portal.

3.9.5 The Techno-commercial Proposal should NOT contain any price information. Such proposal, if received, will be rejected.

3.9.6 The Price quoted shall be "Including GST"

3.10 **Bid Price**

3.10.1 **Accepted Rate of RF link hiring charges shall be applicable for 1st two years of the contract. The rate applicable for the 3rd year shall be with 2% discount on the accepted rate, the rate applicable for 4th year shall be with 2% discount on the rate of 3rd year and the rate applicable for the 5th year shall have discount of 2% on the rate of 4th year. If RailTel extend the contract for beyond 5th year, then the rate applicable shall be have discount of 2% on the rate of 5th year.**

For example if the accepted rate of hiring charges for RF link is Rs. 32,0000/- per link/annum, then the rate applicable for 1st and 2nd year shall be Rs.32,000/- per link/annum, the rate applicable for the 3rd year shall be Rs. 31,360/-, (2% discount on Rs. 32,000/-) and the rate applicable for 4th year shall be Rs. 30,732.80 (i.e., 2% discount on Rs. 31,360/-), the rate applicable to 5th year shall be Rs. 30,118.144 (i.e., (2% discount on Rs. 30,732.80) If RailTel extend the contract period beyond 5th year, then the rate applicable to 6th year shall be Rs. 29,515.578.

3.10.2 Price is to be quoted in eNivida portal as per the format given in Chapter-2 of the tender document only.

3.10.3 The price quoted shall be inclusive of all levies, license fees etc. any incidental expenses including GST. The quoted prices should also include all other charges like packing/forwarding/freight/transit insurance, erection/laying, termination, configuration, alignment etc., of the work.

3.11 **Delivery Schedule and Penalty for Delayed Deliveries**

3.11.1 The individual links have to be successfully commissioned at sites specified by RailTel in the PO, asap. However, for the purpose of penalty for delayed commissioning, penalty will be applicable on the number of sites which are not commissioned as per the target specified in this document.

3.11.2 The successful bidders shall provide connectivity for 100% of the locations under the scope. In other words, the vendor has to endeavor to make all ordered for locations feasible by expanding its reach/infrastructure, wherever necessary.

3.11.3 If bidder is feasible at a given location, but due to any issue, if RailTel/Customer is not able to obtain rooftop rights within six months of the declaration of feasibility by the bidder, the date of communication to the bidder by RailTel regarding obtaining rooftop rights will be deemed as the date of PO for the given site. However, all other Tender terms will continue to be applicable.

3.11.4 In case of non-compliance with the above clauses, the RailTel would invoke the Performance Guarantee/ Security Deposit and consider other measures not limited to blacklisting the bidder.

3.11.5 In the event of the vendor not adhering to the timelines specified above, penalty as prescribed in 4.11 shall be levied unless the site qualifies for any relaxation provided elsewhere in the Tender/Corrigendum.

3.11.6 'Site Survey', 'Installation Certificate' /In Operations Certificate and 'Acceptance report for successful commissioning' must be maintained by the selected vendor for future reference like Penalty Calculation. The formats would be finalized in consultation with RailTel. This shall be one time activity and the date of successful commissioning of link as mentioned earlier at clause 3.1.16 in this document shall be considered as the billing's start date.

3.11.7 In the event of non-adherence to delivery schedule at any point of time, the RailTel also reserves the right to cancel the Purchase Order (encash PBG in case PBG is

submitted), after due notice. In the event of such cancellation, the vendor is not entitled to any compensation.

3.11.8 The Purchase Order and all communication related to it shall be made by the RailTel Corporation of India Ltd., Eastern Region. Correspondence should also be with the authority placing the purchase order.

3.12 **Documentary Evidence Establishing Bidder's Eligibility and Qualifications**

3.12.1 The documentary evidence of the Bidder's qualifications to perform the Contract if its Bid is accepted shall establish to the RailTel's satisfaction:

3.12.2 that adequate, specialized expertise are available to ensure that the support services are responsive and the Bidder will assume total responsibility for the fault-free operation of the solution proposed and maintenance during the contract period and provide necessary maintenance services.

3.12.3 **The tenderer shall submit along with the tender document, documents in support of his/their claim to fulfill the eligibility criteria as mentioned in the tender document. Each page of the copy of documents/certificates in support of credentials, submitted by the tenderer shall be self-attested/digitally signed by the tenderer or authorized representative of the tendering firm. Self-attestation shall include signature, stamp and date (on each page). Only those documents which are declared explicitly by the tenderer as "documents supporting the claim of qualifying the laid down eligibility criteria", will be considered for evaluating his/their tender.**

3.12.4 **The tenderers shall submit a notarized affidavit on a non-judicial stamp paper stating that they are not liable to the disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the affidavit to be submitted by the bidder is enclosed as Annexure-A. Non submission of an affidavit by the bidder shall result in summary rejection of his/their bid and it shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. It will not be obligatory on the part of the RailTel to scrutinize beyond the submitted document of tenderer as far as his qualification for the tender is concerned.**

3.12.5a. RailTel reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the RailTel, make available such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the RailTel shall not relieve the bidder of its obligations or liabilities here under nor will it affect any rights of the RailTel there under.

b. In case of any wrong information submitted by the tenderer, the contract shall be terminated, Performance Guarantee (PG) / Security Deposit (SD) of contract forfeited and agency barred for doing business on entire RailTel for 5 (Five) years.

3.13 **Documentary Evidence Establishing Eligibility of Products and Conformity to Bidding Documents**

- 3.13.1 The Bidder shall submit point by point compliance to the technical specifications and it should be included in the Bid.
- 3.13.2 Any deviations from specifications should be clearly brought out in the bid.
- 3.13.3 The Bidder should quote for the entire package on a single responsibility basis for hardware, software and services it proposes to supply.

3.14 **Earnest Money Deposit**

- 3.14.1 The tenderer shall submit an amount mentioned in the Tender Notice as Earnest Money Deposit in favour of RailTel Corporation of India Ltd., Kolkata payable through eNvida portal online only.
- 3.14.2 The tenderer shall hold the offer open for a period of 60 days from the date of opening of the tender. It being understood that the tender documents have been sold/issued to the tenderer and the tenderer has been permitted to tender in consideration of the stipulation on his part that after submitting his tender he will not backout from his offer or modify the terms and conditions thereof in a manner not acceptable to RailTel. If the tenderer fails to observe or comply with the foregoing stipulation, the aforesaid amount deposited as Earnest Money shall be liable to be forfeited by RailTel.
- 3.14.3 The earnest money may be forfeited:
- 1) If a tenderer withdraws or modify bid during the bid validity period (including extended validity of the tender) specified in the tender documents/ Corrigendum;
 - or
 - 2) If after award of the work, the tenderer failed to accept/LOA/LOI, or to sign the contract agreement or fail to submit performance guarantee or fails to commence to the work within stipulated time period prescribed in the tender documents;
 - or
 - 3) If the tenderer furnish any incorrect or false statement /information/ document;
 - or
 - 4) If the tenderer hide any relevant information or do not disclose any material fact in the tender.

If a Tenderer expires after the submission of his tender or after the acceptance of his tender, the RailTel shall deem such tender as cancelled. If a partner of a firm expires after the submission of their tender or after the acceptance of their tender, the RailTel shall deem such tender as cancelled, unless the firm retains its character.

- 3.14.4 **For UDYAM registered firm:** For Small Scale Units / Micro & Small Enterprises, with UDYAM under Ministry of MSME and participating in this tender, following exemptions shall be available:
- (i) They shall be exempted from submission of cost of tender documents (if applicable).

- (i) They shall also be exempted from depositing Earnest money.

These exemptions shall be applicable provided Tenderer registered with UDYAM.

Firms claiming these exemptions are required to submit along with their offer, a copy of their current and valid UDYAM registration certificate, otherwise their offer would not be considered, will be treated as invalid and summarily rejected.

- (iii) As mentioned in Section 7(4) of Ministry of MSME's Notification No. S.O2119 (E) dated 26th June, 2020, an enterprise registered with any other organization under the Ministry of MSME shall register itself under Udyam Registration. With effect from 01.07.2020, MSEs registered under Udyam Registration are eligible to avail the benefits under the Policy.
- (iv) However, traders/ distributors/ sole agent/ Works Contract are excluded from the purview of Public Procurement Policy for MSEs Order, 2012. Further, as mentioned in O.M. No. 5/2(2)/2021- E/P & G/Policy dated 02.07.2021, Retail and Wholesale traders can register on Udyam Registration Portal for the purpose of Priority Sector Lending (PSL) only. Accordingly, in Udyam site if it is mentioned as “TRADING” “[For availing benefits of Priority Sector Lending]” Then, the tenderer submitted Udyam certificate showing above in Udyam site will not be considered for exemption of cost of tender and EMD and their tender will be summarily rejected
1. RailTel is registered with m1xchange TReDS Platform having Buyer registration Number “BUYER00001496”. The URL for m1xchange Platform is <https://www.m1xchange.com>. MSE suppliers/vendors are required to register themselves on m1xchange Platform for availing the facility of bill discounting on TReDS portal. The bidder is mandatorily required to submit its TReDS registration number (as provided by M1xchange portal) and GRN (Goods/Service Receipt Note) Number (as provided by RailTel on delivery of Goods/Service) while submitting the invoices if requires to avail TReDS facility.
 2. MSE Vendor will bear all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting Charges, Interest on financing, or any other charges known by any name shall be borne by MSE Vendor.
 3. MSE vendor hereby agrees to indemnify, hold harmless and keep RailTel and its affiliates, Directors, officers, representatives, agents and employees indemnified, from any and all damages, losses, claims and liabilities (including legal costs) which may arise from Sellers submission, posting or display, participation, in any manner, on the TReDS Platform or from the use of Services or from the Buyer's breach of any of the terms and conditions of the Usage Terms or of this Agreement and any Applicable Law on a full indemnity basis.

4. RailTel shall not be liable for any special, indirect, punitive, incidental or consequential damages or any damages whatsoever (including but not limited to damages for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting their (MSE Vendor's) invoices.

3.15 Period of Validity of Bids

- 3.15.1 The terms of the Tender shall remain valid for entire contract period from the date of start of the contract. RailTel has the right to place more orders on the successful bidder in respect of additional links till the continuity of the contract. A Bid valid for a shorter period may be rejected by RailTel as non-responsive.
- 3.15.2 In exceptional circumstances, RailTel may solicit the Bidder's consent to an extension of the period of validity.

3.16 Format of Bid:

- 3.16.1 Each bid shall be in two parts: -
 - 3.16.1.1 **Techno-Commercial** (as per clause 3.9 above)
 - 3.16.1.2 **Price Bid** (as per clause 3.10 above)
- 3.16.2 The Techno-commercial part of the bid shall be uploaded in the technical part of the e-tender portal and price bid duly filled digitally signed and uploaded.
- 3.16.3 The Techno-commercial Bid shall be typed or written in indelible ink and shall be scanned, digitally signed and uploaded in the relevant sections of the e-tendering portal by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract.

3.17 Last date of & time of Submission of Bids

- 3.17.1 e-Bids must be uploaded by the bidder at the e-tendering portal before last date and time of submission specified in the Notice Inviting Tender.
- 3.17.2 In the event of the specified date for opening of bids being declared a holiday for RailTel, the bids will be opened up to the appointed time on the next working day.
- 3.17.3 RailTel may, at its discretion, extend the deadline for submission of bids by amending the bid documents, in which case, all rights and obligations RailTel and bidders previously subject to the deadline will thereafter be subject to the extended last date of submission.

3.18 Modification and Withdrawal of Bids

- 3.18.1 The Bidder may modify or withdraw its Bid after the Bid submission through eNivida portal, prior to prescribe last date time of submission.

3.18.4 No Bid may be withdrawn in the interval between the Last date and time for submission of Bids and the expiration of the period of Bid validity specified by the Bidder on the Bid Form. Withdrawal of a Bid during this interval may result in the Bidder's forfeiture of its PG.

3.19 **Opening Bids by RailTel**

3.19.1 The Bidder's names, the presence or absence of requisite EMD and such other details RailTel, at its discretion, may consider appropriate, will be announced at the time of Techno-Commercial Bid opening.

3.20 **Preliminary Evaluation**

3.20.1 RailTel will examine the Bids to determine whether they are complete, required formats have been furnished, the documents have been digitally signed, and the Bids are generally in order.

3.20.2 Prior to the detailed evaluation RailTel will determine the responsiveness of each Bid to the Bidding Document. For purposes of these Clauses, a responsive Bid is one, which conforms to all the terms and conditions of the Bidding Document without any deviations.

3.20.3 RailTel's determination of a Bid's responsiveness will be based on the contents of the Bid itself, without recourse to extrinsic evidence.

3.20.4 If a Bid is not responsive, it will be rejected by RailTel and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

3.21 **Evaluation of Bids:**

3.21.1 Only those bids which have been found to be in conformity of the eligibility terms and conditions during the preliminary evaluation would be taken up by RailTel for further detailed evaluation. Those Bids who do not qualify the eligibility criteria and all terms during preliminary examination will not be taken up for further evaluation.

L1 bidder will be identified based on Technical qualification and Price Bid.

RailTel may waive off any minor infirmity or non-conformity or irregularity in a bid, which does not constitute a material deviation.

3.21.2 The contract may be awarded to as under the L1 bidder.

3.21.3 The time provide to the selected bidder for provide links, as stipulated at clause 3.11.2, is inclusive of all tasks to be performed by the bidders for delivery of the links ordered.

3.21.4 If the vendor fails to adhere time period given for delivery of links, RailTel, at its sole discretion, besides levying the stipulated penalty(ies), may cancel the order.

3.21.5 The tower/pole are to be erected antenna shall have fixed and the RF links are to be commissioned within the period mentioned in this Tender document. No credit will be given for early deliveries.

3.22 Contacting RailTel

3.22.1 No Bidder shall contact RailTel on any matter relating to its Bid, from the time of opening of Price Bid to the time the Contract is awarded.

3.22.2 Any effort by a Bidder to influence RailTel in its decisions on Bid evaluation, Bid comparison or contract award may result in the rejection of the Bidder's Bid.

3.23 Award Criteria

3.23.1 RailTel may award the Contract to the successful Bidder, who have been determined to qualify to perform the Contract satisfactorily, and whose Bid has been determined to be responsive, in terms of clause 3.21.

3.23.2 The successful bidders shall provide connectivity for 100% of the ordered link connectivity of the ordered links.

3.24 RailTel's right To Accept Any Bid and to reject any or All Bids:

RailTel reserves the right to accept or reject any Bid in part or in full or to cancel the Bidding process and reject all Bids at any time prior to contract award, without incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the RailTel's action.

3.25 Notification of Award

3.25.1 The notification of award/ issue of Letter of Acceptance/Purchase Order will constitute the formation of the Contract. The selected Bidders should convey acceptance of the award of contract by returning duly signed and stamped duplicate copy of Letter of Acceptance/Purchase Order within 7 days of receipt of the communication.

3.25.2 Upon award of work to the successful Bidders, RailTel will notify other unsuccessful Bidders.

3.26 CONTRACT PERFORMANCE GUARANTEE:

The successful tenderer shall submit 10% of total value of the work detailed in the Purchase Order/ Letter of Acceptance including GST towards Performance Guarantee in the form of FDR or online transfer or irrevocable Bank Guarantee from any scheduled bank 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 delay period i.e. beyond 30 (thirty) days from the date of issue of PO/LOA, for due fulfillment of contract.

Note:

- 1) 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.
- 2) Any performance security up to a value of Rs. 5 Lakhs is to be submitted through online transfer only.
- 3) In case of submission of Security Performance in form of FDR then lien should be created in favor of "RailTel Corporation of India Ltd".
- 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.
- 5) The Performance 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. This PG shall be initially valid up to stipulated date of completion plus three months beyond that. In case, the time for completion of work gets extended, the contractor shall get the validity of PG. extended to cover such time for completion of work plus three months.
- 6) The value of P. G. 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 Guarantee amounting to 10% (ten percent) for the excess value over the original contract value shall be deposited by the contractor.
- 7) The Performance Guarantee (PG) shall be released on completion of after successful completion of Contract period fulfilling obligations under the contract, duly adjusting any dues recoverable from the successful tenderer.
- 8) Wherever the contracts are rescinded, the Performance Guarantee shall be en-cashed and the balance work should be got done separately.

3.27 **Signing of Contract:**

- 3.27.1 In the absence of a formal contract, the Bid document, together with the RailTel's Letter of Acceptance and the vendor's acceptance thereof, would constitute a binding contract between the RailTel and the successful Bidder.
- 3.27.2 Failure of the successful Bidder to comply with the requirement of the Tender shall constitute sufficient grounds for the forfeiture of EMD/PG followed by the annulment of the award.

3.27.3 RailTel reserves the right either to invoke the Performance Bank Guarantee or to cancel the purchase order or both if the Bidder fails to meet the significant terms of this Tender or contracts entered into with them, after giving due notice for rectification.

3.28 **Miscellaneous:**

3.28.1 All documents in response to this Tender must be digitally signed by the authorized signatory of the bidder confirming acceptance to all terms and conditions of this Tender. Relevant portions, in the documents submitted in pursuance of eligibility criteria, should be highlighted.

3.28. Partial bids submitted will be liable for rejection.

PART 4**TERMS AND CONDITIONS OF CONTRACT (TCC)****Table of Clauses**

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PART - 4

TERMS AND CONDITIONS OF CONTRACT (TCC)

- 4.1 **Definitions:** Please refer section 1.3.
In case of a difference of opinion on the part of the Bidder in comprehending and/or interpreting any clause / provision of the Bid Document after submission of the Bid, the interpretation by the RailTel shall be binding and final on the Bidder.
- 4.2 **Use of Contract Documents and Information**
- 4.2.1 The Supplier shall not, without the RailTel's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of RailTel in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only, so far as may be necessary for purposes of such performance.
- 4.2.2 The Supplier will treat as confidential all data and information about the RailTel/RailTel's Customer, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of RailTel.
- 4.3 **Country of Origin / Eligibility of Goods and Services**
- 4.3.1 All goods and related services to be supplied under the Contract shall have their origin in eligible source countries, as per the prevailing Import Trade Control Regulations in India.
- 4.3.2 For purposes of this clause, "origin" means the place where the goods are mined, grown, or manufactured or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 4.3.3 The Vendor shall not, without the RailTel's prior written consent, make use of any document or information except for purposes of performing the Contract.
- 4.3.4 Any document, other than the Contract itself, shall remain the property of RailTel and shall be returned (in all copies) to RailTel on completion of the Vendor's performance under the Contract, if so required by RailTel.
- 4.4 **Patent Rights/Intellectual Property Rights:**
- In the event of any claim asserted by a third party of infringement of copyright, patent, trademark, industrial design rights, license, Intellectual Property Rights, etc. arising from the use of the Goods or software or any part thereof in India, the Vendor shall act expeditiously to extinguish such claim. If the Vendor fails to comply and RailTel is

required to pay compensation to a third party resulting from such infringement, the Vendor shall be responsible for the compensation to claimant including all expenses, court costs and lawyer fees. RailTel will give notice to the Vendor of such claim, if it is made, without delay. The Vendor shall indemnify RailTel against all third party claims.

4.5 **Inspection and Quality Control Tests:**

4.5.1 The RailTel reserves the right to carry out inspection by a team of RailTel or demand a demonstration of the solution proposed on a representative model in Bidder's premises.

On successful completion of acceptability test, receipt of deliverables, etc., and after RailTel is satisfied with the working on the system, the acceptance certificate will be signed by the representative of RailTel

4.6 **Payment terms:**

(A) **For RF Links: Schedule- 'A'**

Payment (*in Indian Rupees only*) will be made strictly in accordance with the following schedule by RailTel, Eastern Region.

Quarterly rental Charges will be paid on completion of each quarter.

First Payment: Shall be made on completion of 1stquarter and upon submission of:

- (a) Tax Invoice for the period of service;
- (b) "Link Commissioning Certificate" (Format as per Annexure-5.8) for all the links in the Tender.

Note: Billing start period as per clause 3.1.22. If any link/links could not be established due to reason beyond the control of the contractor, then payment of the commissioned links shall be made after approval of competent authority. The contractor shall apply to RailTel authority the reason for unable to provide the concerned link/links.

- (c) Submission GIS map in hard copy of cable route along with softcopy in KML file.
- (d) SLA report for the billing period from RailTel's work –in charge
- (e) Certificate from the RailTel work in-charge regarding availability of the required manpower, equipment/tools & plants, during the quarter for which bill is being submitted.

Subsequent Payments: After completion of each quarter and upon submission of invoice and SLA, duly certified by work –in charge report for the period of service, Certificate regarding availability of the required manpower, equipment/tools & plants. The delayed commissioning etc. penalties would be deducted by RailTel at the stage it deems appropriate.

(B) **Supply, Installation & commissioning of RTT/GBT, Schedule 'B' & Schedule 'C'**

Supply and installation cost against items of Schedule 'B' will be paid, 90% on completion of work and 10% after warranty period of one year.

(C) AMC of items under Schedule 'B' (Schedule 'C')

AMC will effect after warranty period of one year, Quarterly payment will be made end of each quarter on satisfactory maintenance after warranty period.

4.7 Prices:

Prices payable to the Vendor as stated in the Contract shall be firm and not subject to adjustment during performance of the Contract, irrespective of reasons whatsoever, including exchange rate fluctuations, changes in present levied taxes, duties, levies, charges, etc. (other than GST). In other words, rate accepted will be non-negotiable for a period of contract.

4.8 **Contract Amendments:** No variation in or modification of the terms of the contract shall be made, except by written amendment, signed by the parties.

4.9 **Assignment:** The Vendor shall not assign, in whole or in part, its obligations to perform under the Contract, except with RailTel's prior written consent.

4.10 Delays in the Vendor's Performance:

4.10.1 Delivery, installation, commissioning of the Solution and performance of Services shall be made by the Vendor within the timeline prescribed.

4.10.2 If at any time during performance of the Contract, the Vendor or its sub-contractor(s) (if permitted by RailTel) should encounter conditions impeding timely delivery of the Products and performance of Services, the Vendor shall promptly notify RailTel in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Vendor's notice, the RailTel shall evaluate the situation and may, at its discretion, extend the Vendor's time for performance, with or without liquidated damages, in which case, the extension shall be ratified by the parties by amendment of the Contract.

4.10.3 Except as provided in the above clause, a delay by the Vendor in the performance of its delivery obligations shall render the Vendor liable to the imposition of liquidated damages, unless an extension of time is agreed upon without the application of liquidated damages.

4.11 Liquidated Damages:

4.11.1 If the Vendor fails to deliver any or all of the Products or perform the Services within the time period(s) specified in the Contract, RailTel may, without prejudice to its other remedies under the Contract, and unless otherwise extension of time is agreed upon without the application of Liquidated Damages, deduct from the Contract Price, as liquidated damages, a sum equivalent to ½% per week or part thereof on undelivered services until actual delivery of satisfactory services or performance subject to maximum deduction of 10% of contract value. Once the maximum deduction is reached, the RailTel may consider termination of the Contract. However, nothing

written under this clause precludes RailTel from invoking the entire PG for failure on the part of the bidder to deliver and perform as per the terms of this Tender.

- 4.11.2 Notwithstanding anything contrary contained herein or any other document made part of this agreement, the limitation of liability for direct damages, indirect and consequential damages, incidental, punitive, exemplary or special Losses; loss of data/programs, loss of profits or revenue, loss of anticipated savings and loss of goodwill will be upto the contract value, except in case of infringement.

4.12 **Termination of contract:**

- 4.12.1 RailTel, without prejudice to any other remedy for breach of Contract, by a written notice of default sent to the Vendor giving a month's notice, may terminate the Contract in whole or in part:

a) If the Vendor fails to deliver any or all of the Products and Services within the period(s) specified in the Contract, or within any extension thereof granted by RailTel;

and/or

b) If the Vendor fails to perform any other obligation(s) under the contract.

and/or

c) for any reasons which RailTel, at its sole discretion consider a fit and proper ground for termination of the Agreement;

and/or

d) on the happening of any termination event mentioned herein above in this Agreement;

and/or

e) in the interest of RailTel

- 4.12.2 In the event the RailTel terminates the Contract in whole or in part, it may procure, upon such terms and in such manner as it deems appropriate, Products and Services similar to those undelivered. However, the Vendor shall continue performance of the Contract to the extent not terminated.

4.13 **Force Majeure:**

- 4.13.1 Notwithstanding the provisions of TCC, the Vendor shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that the delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- 4.13.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Vendor and not involving the Vendor's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Government in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, Pandemic/Lockdown and freight embargoes, but shall not include any activity carried out by human beings or animals that results in cable cut or disruption

of wireless/wired or other communication equipment provided or installed or owned by the Vendor or Vendor's service provider, or due to failure of power supply to any equipment, where such power supply was not the responsibility of RailTel.

- 4.13.3 If a Force Majeure situation arises, the Vendor shall promptly notify RailTel in writing of such condition and the cause thereof. Unless otherwise directed by RailTel in writing, the Vendor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 4.14 **Termination for Insolvency:** RailTel may, at any time, terminate the Contract by giving written notice to the Vendor if the Vendor becomes Bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Vendor, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to RailTel.
- 4.15 **Termination for Convenience:** RailTel, by written notice sent to the Vendor, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the RailTel's convenience, the extent to which performance of the Vendor under the Contract is terminated, and the date upon which such termination becomes effective.
- 4.16 **Resolution of Disputes:**
- 4.16.1 RailTel and the Vendor shall make every effort to resolve amicably by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Contract.
- 4.16.2 If RailTel and the Vendor have been unable to resolve amicably a Contract dispute even after a reasonably long period, either party may require that the dispute be referred for resolution to the formal mechanisms specified herein below:
- 4.16.3 Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by a sole arbitrator in accordance with provisions contained in Arbitration and Conciliation Act, 1996 as amended and the award made in pursuance thereof shall be binding on the parties. The venue of such arbitration or proceedings thereof shall be New Delhi.
- 4.16.4 All arbitration proceedings shall be conducted in English. Resources against any Arbitral award so rendered may be entered into court having jurisdiction or application may be made to such court for the order of enforcement as the case may be.
- 4.16.5 The Arbitral Tribunal shall consist of the sole Arbitrator if the value of claim is upto Rs. 10 Lakhs. The arbitrator will be appointed by the Managing Director of RailTel Corporation of India Ltd. If the value of claim or amount under dispute is more than Rs. 10 Lakhs, the matter shall be referred to the adjudication of arbitral council. Chairman cum Managing Director/RailTel shall furnish a panel of three names to the contractor, out of which the contractor will recommend one name to be his nominee

and then Chairman cum Managing Director/RailTel shall appoint out of the panel, one name as RailTel's nominee and these two arbitrators with mutual consent appoint a third arbitrator who shall act as deciding. The award of the sole arbitrator or the Arbitral council, as the case may be, shall be final and binding on both the parties, i.e. Contractor and RailTel Corporation of India Ltd.

4.16.6 Each of the parties agree that notwithstanding that the matter may be referred to Arbitrator as provided therein, the parties shall nevertheless pending the resolution of the controversy or disagreement continue to fulfill their obligation under this Agreement so far as they are reasonably able to do so.

4.17 **Applicable Law:** The Contract shall be interpreted in accordance with the laws of the Union of India and shall be subject to the exclusive jurisdiction of courts at New Delhi

4.18 **Addresses for Notices:**

The following shall be the address of the RailTel and Vendor.

RailTel 's address for notice purposes:

Same as mentioned in the Notice Inviting Tender.

Vendor's address for notice purposes

A notice shall be effective when delivered or on effective date of the notice whichever is later.

Address for this purpose including an email address. However, important email communication should be followed up with an alternative means of communication such as a letter.

4.19 **Taxes and Duties:**

4.19.1 The Vendor will be entirely responsible for all applicable taxes like Central State Government levies, GST charges, license fees, road permits, etc. in connection with delivery of products at site including incidental services and commissioning.

4.19.2 Income Taxes in India: The Vendor shall be liable to income tax that shall be levied according to the laws and regulations applicable from time to time in India and the price bid by the Vendor shall include all such taxes in the contract price.

4.19.3 Tax deduction at Source: Wherever the laws and regulations require deduction of such taxes at the source of payment, accepted shall effect such deductions from the payment due to the Vendor. The remittance of amounts so deducted and issuance of certificate for such deductions shall be made by accepted as per the laws and regulations in force. Nothing in the Contract shall relieve the Vendor from his responsibility to pay any tax that may be levied in India on income and profits made by the Vendor in respect of this contract.

4.19.4 The Vendor's staff, personnel and labour will be liable to pay personal income taxes in India in respect of such of their salaries and wages as are chargeable under the laws and regulations for the time being in force, and the Vendor shall perform such duties in regard to such deductions thereof as may be imposed on him by such laws and regulations.

4.20 **Vendor's obligations:**

4.20.1 The Vendor is responsible for and obliged to conduct all contracted activities in accordance with the contract using state-of-the-art methods and economic principles and exercising all means available to achieve the performance specified in the Contract.

4.20.2 The vendor will be responsible for arranging and procuring all relevant permissions / Road Permits etc. for transportation of the equipment to the location where installation is to be done.

4.20.3 The Vendor is obliged to work closely with the Customer's staff, act within its own authority and abide by directives issued by the RailTel and implementation activities.

4.20.4 The Vendor will abide by the job safety measures prevalent in India and will free RailTel from all demands or responsibilities arising from accidents or loss of life, the cause of which is the Vendor's negligence. The Vendor will pay all indemnities arising from such incidents and will not hold RailTel responsible or obligated.

4.20.5 The Vendor is responsible for managing the activities of its personnel or sub-contracted personnel and will hold itself responsible for any misdemeanors.

4.20.6 The Vendor will treat as confidential all data and information about SECL, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of RailTel.

4.21 **Make in India clause**

Public Procurement (Preference to Make in India): Applicable only for all Global tenders & for all tenders where the minimum local content shall be 50% & tenders valuing above Rs. 5 Lakhs.

The provisions of Public Procurement (Preference to Make in India), Order-2017 dt. 15.06.2017 and its revisions is applicable.

4.21.1 (a) Local content: The minimum local content shall be 50% or as indicated in the tender enquiry.

(b) Margin of Purchase Preference: The margin of purchase preference is 20%.

(c) Fee for complaints: Fee for filing a complaint under the order shall be Rs.10,000/- per case. The complaint shall be filed in the office of the Director RailTel. The fee

shall be deposited with the office of the Director Finance/RailTel Corporation of India Limited, New Delhi.

4.21.2 Verification of local content:

- a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- b. In case of procurement for a value in excess of Rs.10 Crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- c. False declarations will be in breach of the Code of integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- d. A Supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment.
- e. Debarment of bidders: In respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on CPPP so that ongoing procurements are not disrupted.

4.21.3 Requirement of Purchase Preference: Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder:

- a. In procurement of goods in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs.50 Lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods is more than Rs.50 Lakhs, the provisions of sub-paragraph b or c as the case may be, shall apply.
- b. In the procurements of goods which are not covered by paragraph (a) above and which are divisible in nature, the following procedure shall be followed:
 - i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.
 - ii) If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match

the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

- c. In procurements of goods not covered by sub-paragraph (a) above and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:
- i). Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier; the contract will be awarded to L1.
 - ii). If L1 is not from a local supplier, the lowest bidder among the local suppliers will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
 - iii) In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

4.21.4 Exemption of small purchases: Notwithstanding anything contained in Para 4.21.3, procurements where the estimated value to be procured is less than Rs.5 Lakhs is exempted.

4.22 **LABOUR**

Wages to Labour- The contractor shall be responsible to ensure compliance with the provisions of the Minimum Wages Act, 1948 (hereinafter referred to as the "said Act") and the Rules made there-under in respect of any employees directly or through petty contractors or sub contractors employed by him on road construction or in building operations or in stone breaking or stone crushing for the purpose of carrying out this contract. If in compliance with the terms of the contract, the contractor supplied any labour to be used wholly or partly under the direct orders and control of the RailTel whether in connection with any work being executed by the contractor or otherwise for the purpose of the RailTel such labour shall, for the purpose of the clause, still be deemed to be persons employed by the contractor. If any moneys shall as a result of any claim or application made under the said Act be directed to be paid by the RailTel, such moneys shall be deemed to be moneys payable to the RailTel by the Contractor and on failure by the contractor to repay any moneys paid by it as aforesaid with seven

days after the same shall have been demanded, the RailTel shall be entitled to recover the same from any moneys due or accruing to the contractor under this or any other contract with the RailTel.

4.23 Provisions of Payments of Wages Act

The Contractor shall comply with the provisions of the payment of Wages Act, 1936 and the rules made there under in respect of all employees directly or through petty contractors or sub-contractors employed by him in the works. If in compliance with the terms of the contract, the contractor directly or through petty contractors or sub-contractors shall supply any labour to be used wholly or partly under the direct orders and control of the Engineer whether in connection with the works to be executed hereunder or otherwise for the purpose of the Engineer such labour shall nevertheless be deemed to comprise persons employed by the contractor, and any moneys which may be ordered to be paid by the Engineers shall be deemed to be moneys payable by the Engineer on moneys due to the contractor in terms of the contract (whether under this contract or any other contract all moneys paid or payable by the RailTel by way of compensation of aforesaid or for costs of expenses in connection with any claim thereto and the decision of the Engineer upon any question arising out of the effect or force of this clause shall be final and binding upon the contractor.

4.24 Provision of Contract Labour (Regulation and Abolition) Act 1970

1. The contractor shall comply with the provision of the Contract Labour (Regulation and Abolition) Act 1970 and the Contract Labour (Regulation and Abolition) Act, Central Rules 1971 as modified from time to time, whenever applicable and shall also indemnify the RailTel from and against any claims under the aforesaid Act and the Rules.
2. The contractor shall obtain a valid license under the aforesaid Act as modified from time to time before the commencement of the work and continue to have a valid license until the completion of the work. Any failure to fulfill this requirement shall attract the penal provision of the Contract arising out of the resultant non-execution of the work.
3. The contractor shall pay to the labour employed by him directly or through sub-contractors the wages as per provisions of the aforesaid Act and the Rules wherever applicable. The Contractor shall notwithstanding the provisions of the contract to the contrary, cause to be paid the wages to labour indirectly engaged on the work including any engaged by his sub contractors in connection with the said work, as if the labour had been immediately employed by him.
4. In respect of all labour directly or indirectly employed in the work for performance of the contractor's part of the contract the contractor shall comply with or cause to be complied with the provisions of the aforesaid Act and the Rules wherever applicable.

5. In every case in which, by virtue of the provisions of the aforesaid Act or the Rules, the RailTel is obliged to pay any amount of wages to a workmen employed by the contractor or his sub-contractor in execution of the work or to incur any expenditure in providing welfare and health amenities required to be provided under the aforesaid Act and the Rules or to incur any expenditure in providing welfare and health amenities required to be provided under the aforesaid Act the Rules or to incur any expenditure on account of the contingent liability of the RailTel due to contractor's failure to fulfill his statutory obligations under the aforesaid Act or the Rules the RailTel will recover from the contractor, the amount of wages so paid or the amount of expenditure so incurred, and without prejudice to the rights of the RailTel under section 20, sub section (2) and section 2 sub-section (4) of the aforesaid Act, the RailTel shall be at liberty to recover such amount or part thereof by deducting it from the security deposit and/or from any sum due by the RailTel to the contractor whether under the contract or otherwise. The RailTel shall not be bound to contest any claim made against it under sub section (1) of section 20 and sub section (4) of section 21 of the aforesaid Act except on the written request of the contractor and upon his giving to the RailTel full security for all costs for which the RailTel might become liable in contesting such claim. The decision of the RailTel regarding the amount actually recoverable from the contractor as stated above shall be final and binding on the contractor.

4.25 **Reporting of Accidents to Labor**

The contractor shall be responsible for the safety of all employees directly or through petty contractors or sub-contractors employed by him on the works and shall report serious accidents to any of them however and wherever occurring on the works to the Engineer or the Engineer's representative and shall make every arrangement to render all possible assistance.

4.26 **Provisions of Workmen's Compensation Act**

In every case, in which by virtue of the provision of section 12 sub section (1) of the Workmen's Compensation Act, 1923, RailTel is obliged to pay compensation to workman directly or through the petty contractor employed by the contractor or sub-contractor, in executing the work, RailTel will recover from the contractor the amount of the compensation so paid, and without prejudice to the right of RailTel under section 12 sub section (2) of the said Act. RailTel shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by RailTel to the Contractor whether under these conditions or otherwise, RailTel shall not be bound to contest any claim made against it under Section 12, Sub Section (1) of the said Act except on the written request of the contractor and upon his giving to RailTel full security for the all costs for which RailTel might become liable in consequence of contesting such claim.

PART - 5**REQUIREMENT SPECIFICATION, BID FORM AND OTHER FORMATS****INDEX**

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ANNEXURE – 5.1**5.1 Technical Specifications**

Sl. No.	Description	Yes/No	Remarks
1.1	Solution must be compliant to all applicable guidelines of DOT, TRAI and other competent government/ certifying authorities.		
1.2	The frequency used shall in the De-licensed band of 2.4 Ghz. – 2.4835Ghz. Notification No. G.S.R. 45 (E), dated 28.1.2005 or in the band of 5.825Ghz. to 5.875 Ghz shall conformity with Ministry of Communication & Information Technology (WPC) Notifications.		
1.3	Bidder should provide connectivity with 1:1 committed Information rate bandwidth for uplink as well as downlink for the RailTel’s customer connectivity bandwidth as specified in SOR in duplex mode as per requirement to be provided at the links as advised by RailTel.		
1.4	Multiple VPN should support connectivity and should not have any physical and logical interference with other customers or Internet route/traffic.		
1.5	The bidder should provide surge suppressor, Industry grade Cat-6 SFTP (screened fully shielded twisted pair) ethernet cable to terminate day one. Interface to connect customer premises router to the wireless network Cables with required interfaces have to be arranged by the bidder.		
1.6	Bidder should provision all equipment required to provide the wireless connectivity at SECL premises for getting usable wireless signal strength i.e., cabling from antenna customer’s router located in the Systems Room. The bidder has to adhere to standard cabling practices.		
1.7	Bidder has to repair/ replace faulty/damaged equipment at the bidder’s own cost, irrespective of the reason of fault/ damage, during the contract period. However, the “force majeure” clauses will apply. In any case, the bidder will have to arrange for replacement of the faulty/ defective equipment, asap.		

Srl. No.	Description	Yes/ No	Remarks
1.9	Bidder shall meet all the Govt. or other Regulatory directions/ requirements and ensure compliance.		
2.	NETWORK PERFORMANCE PARAMETERS:		
2.1	Wherever an order for wireless link issued, trans-receiver should have sufficient signal margin so as to have reliable link working. Vendor shall ensure that sufficient fade margin available in each link being commissioned for reliable service delivery.		
2.2	Latency should not be more than 120 ms (End to End) for a 1500-byte packet size measured for a minimum of 1000 packets.		
2.3	Average Jitter of the connectivity should be less than 30 ms measured for a minimum 1000 packets		
2.4	Minimum MTU (maximum transmission unit) size should be 1500 bytes		
3	Parameters for bidder's link and devices:		
3.1	Bidder should use products of reputed OEMs for the complete solution. Bidder should not use retail products like Universal Serial Bus (USB) dongle and home use router/switch. Equipment at PoP should have following capabilities and configured accordingly (This is to ensure adherence to IT best practices) as given in Annexure -5.7		
4	Capability of devices		
4.1	SNMPv3 support		
4.2	Network Time Protocol Version 4 (NTPv4), Syslog, Ping, Trivial File Transfer Protocol (TFTP) and Secure Shell version 2 (SSHv2)		
4.3	Internet Protocol version support: IPv4/Ipv6 (Dual Stack), UDP, TCP, ICMP, SNMPv2c, NTP, STP, IGMP, SSH		
4.4	The network of the TSP shall be capable of handling incidents like distributed denial of service (DDOS), Brute force attack etc.		
4.5	Temperature Range: -15 to +55 degrees Celsius		
4.6	QoS (Quality of Service): Three level priority (Voice, High, Low) with packet classification by DSCP, COS, VLAN ID, IP & MAC Address, Broadcast, Multicast and Station Priority, MIR/CIR support		

Srl. No.	Description	Yes/ No	Remarks
4.7	Channel Width MHz: 20 40 80 with Wide Band Operation 4910 - 5970 MHz		
4.8	Ethernet Interfaced: 10/100/1000 BaseT, Compatible with Standard PoE pinouts		
4.9	Encryption: 128-bit AES (CCMP mode)		
5	Device Management		
5.1	Unwanted services should be disabled on the devices.		
5.2	Remote device management should be done with secure channel e.g., SSHv2 and above.		
5.3	Administrative access of devices should not be through generic user id.		
5.5	All devices should be time-based (NTP) synchronized.		
5.6	Management traffic should be separate from the data traffic.		
5.7	RailTel should have rights to audit/review the whole setup of the bidder catering to customer's application		
5.8	The proposed solution should be IPv4 and IPv6 compliant.		
6	Incident management		
6.1	Prevention mechanism for mis- configuration		
6.2	Alert mechanism should be in place for any incident occurred etc.		
6.3	Every incident reported should be notified to RailTel and documented.		
7	Patch management		
7.1	Network devices should be updated with latest firmware and security patches.		
7.2	Process for performing update should be maintained and approved by RailTel.		
7.3	Bidder has to ensure complete data privacy and should use private IP addresses only. The bidder will ensure physical and/or logical segregation of RailTel customer links from that of other networks.		
7.4	Bidder shall do adequately strengthened encryption algorithm to encrypt the entire data when it is traveling through the air.		
7.5	The TSP should furnish service level agreement performance reports on a monthly basis.		

Srl. No.	Description	Yes/ No	Remarks
7.6	The TSP should keep the historical data in the portal for a period of last one year at any point of time in a reusable format.		
8	Mast Specifications		
8.1.1	Specification for mast height <=3metres Monopole tower should be used		
8.1.2	A monopole tower should be guyed or self Supported		
8.1.3	Hollow, heavy duty, thick non-corrosive steel tube, with high strength should be used.		
8.1.4	Weight of structure should be less than 15 kg.		
8.1.5	Deflection of antenna should be less than 05Cm for winds <=150Kmph		
8.1.6	Total floor area covered by the installation should not be more than 1 square foot.		
8.2	Specification for mast height for more than 3metre and less than equal to 9 Meters		
8.2.1	Tower should be guyed and may be fitted with climbing rungs where necessary		
8.2.2	Guyed masts may be in lattice, triangular or square, tapered or straight, as well as monopole structural forms.		
8.2.3	Weight of structure should be less than 50kg		
8.3.4	Deflection of antenna should be less than 15Cm for winds <=150Kmph		
8.2.5	Total floor area covered by the installation should not be more than 4 square feet excluding the guy wires.		
8.3	Specification for mast height for more than 9 meters		
8.3.1	Tower should be in lattice, triangular or square, tapered or straight		
8.3.2	GI pipe Self- supporting MAST with Guy wire Support		
8.3.3	Wind velocity sustainability :-wind Speed 180 KMPH		
8.3.4	Type Tower 3 Legs Tubular Self- Support Mast with Guy wire Support		
8.3.5	Material to be used for legs vertical pipe Size: 101.6x3.2 thik,88.9x3.2 thik,76.1x3.2 thik,48.3x2.9 thik,42.4x3.2 thik,33.7x3.2 thik		
8.3.6	Type of Pipe: Medium Pipe		
8.3.7	Copper Lighting Arrestor		
8.3.8	MS cross Bracing Rod 12/16 MM		

Srl. No.	Description	Yes/ No	Remarks
8.3.9	Nut-Bolt: Hot Dip Galvanized		
8.3.10	Painting of Tower: Two Coat International orange/White		
8.3.11	Ladder: Built in		
8.3.12	Foundation: M20 Concrete Civil work according to Tower weight, Base of the tower should be on a concrete structure. If tower is erected on ground, should have a firm foundation made of good quality concrete structure		
8.3.13	Mast/tower should have protection including anti climb system against birds, monkeys and other animals		
8.4	Aviation Lamp		
8.4.1	Night Mode: Red Horizontal Coverage: 360°		
8.4.2	LED Light		
8.4.3	Electric cable 2 Core		
8.4.4	Electrical Specification :220V AC ,48V DC, 230V DC		
8.5	Earthing Strip and Chemical Earthing As per Required		
8.5.1	Earthing Strip 25x3 MM		
8.5.2	Earthing Strip Galvanized		
8.5.3	Earthing Strip Connect Light Arrestor to Earthing Chamber		
8.5.4	Hole Size: of 100MM to 125MM dia shall be augured /dug to a depth of about 2.8 meters		
8.5.5	Earthing Rod Length: 900 MM		
8.5.6	Chamber Size: 450MMx450MMx100 MM		
8.3.7	Mast/tower should have protection including anti climb system against birds, monkeys and other animals		
8.3.8	All structural components including washers, clips, nuts & bolts should be galvanized (anti rust)		
8.3.9	Separate down conductors shall be installed from each tower to earth		
8.6	Maintenance of the tower		
8.6.1	Towers require regular maintenance for Purposes of early detection of deterioration and as a mandatory measure to prevent breakdowns and the attendant consequences.		
8.6.2	Engineers should visit and conduct health checkup of the tower in every first and third quarter or as and when called by /RailTel Customer. If anything is found to be faulty should be replaced/repared without any cost to RailTel.		
8.6.3	Painting of Tower: Two Coat International orange/White		
8.6.4	Tower should be painted every two years,		

Srl. No.	Description	Yes/No	Remarks
8.6.5	<p>For every tower site, vendor shall keep a maintenance log book and get signatures from branch for every preventive checkup visit. Log book should contain the following information:</p> <ul style="list-style-type: none"> a. Installation Date b. Next preventive due dates c. Next Painting due dates d. Adhoc Maintenance dates e. Details of activity carried out and replaced parts f. Name and address of Engineer 		
8.7	<p>Approved drawing of Towers of RTT/GBT of height 12 Mtr, 21 Mt, 24 Mtr, 27 Mtr, 30 Mtr and 40 Mtr. shall be used, the bidder shall obtain permits approval if required, concerned authority for tower construction.</p>		

ANNEXURE-5.2

OFFER LETTER/BID FORM

(To be uploaded in Techno-commercial bid for each tender/section)

Date: _____

To,
Executive Director,
RailTel Corporation of India Ltd.
Eastern Region, 19th Floor,
Aurora Waterfront Building,
Plot No. 34/1, Block GN,
Sector-V, Salt Lake City,
Kolkata – 700 091

Dear Sir,

Ref: Tender No. RailTel/Tender/OT/ER/HQ/2023-24/1477-1483, Dt. 08.08.2023

We have examined the Tender, the receipt of which is hereby duly acknowledged and furnished by RailTel and we offer to provide RF links and maintain links on hire basis as per details enclosed at Annexure 5.9/ Zone, /Tender No. _____ as per the terms and conditions spelt out in the Tender. We shall participate in the bid

2. While submitting this bid, we certify that:

- The undersigned is authorized to sign on behalf of the Vendor and the necessary support document delegating this authority is enclosed to this letter.
- Price bid submitted by us have been arrived at without agreement with any other Bidder of this Tender for the purpose of restricting competition.
- The price bid submitted by us have not been disclosed and will not be disclosed to any other Bidder responding to this Tender.
- We have not induced or attempted to induce any other Bidder to submit or not to submit a bid for restricting competition.
- The rate quoted in the price bids for the solution is as per the Tender and subsequent pre-bid clarifications/ modifications/ revisions furnished by RailTel without any exception.

3. If our offer is accepted, we undertake to complete the formalities for supply, installation, testing and commissioning of the RF links within the period specified in the Tender from the date of Purchase Order.

4. We agree to abide by the Bid and the rates quoted therein for the orders awarded RailTel up to the period prescribed in the Bid, which shall remain binding upon us.

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

6. We undertake that, in competing for (and, if the award is made to us, in executing)

ANNEXURE-5.3

Undertaking of Authenticity

To,
Executive Director,
RailTel Corporation of India Ltd.,
19th Floor, Aurora Waterfront Building,
Plot No. 34/1, Block GN,
Sector-V, Salt Lake City,
Kolkata – 700 091.

Sub: Undertaking of Authenticity for Hardware and Software Supplies

Ref: Tender No. RailTel/Tender/OT/ER/HQ/2923-24/1477-1483, Dt. 08.08.2023

With reference to the equipment being quoted to you vide our Bid No: _____ dated _____, we hereby confirm that all the components /parts /assembly / software etc. used in the equipment to be supplied shall be original new components / parts / assembly / software only, from respective original equipment manufacturers (OEMs) of the products and that no refurbished / duplicate / second hand components /parts/ assembly / software shall be supplied or shall be used. We also undertake to produce certificate from the Original Equipment Manufacturers (if required by you) in support of the above statement at the time of delivery / installation.

2. We also confirm that in respect of licensed operating systems and other software utilities to be supplied; the same will be procured from authorized sources and supplied with Authorized License Certificate (e.g. Product keys on Certification of Authenticity in case of Microsoft Windows Operating System).

3. In case of default and RailTel finds that the above conditions are not complied with, we agree to take back the equipment supplied, without demur or any reference to a third party and without prejudice to any remedies RailTel may deem fit.

4. In case of default and we are unable to comply with above at the time of delivery or during installation, for the IT Hardware / Software, we agree to take back the equipment without demur, if already supplied.

5. We also take full responsibility of both parts and Service SLA as per the content even if there is any defect by our authorized Service Centre / Reseller / SI etc.

Dated this day of 2023

(Signature) (Name) (In the capacity of)

Duly authorized to sign Bid for and on behalf of

ANNEXURE-5.4**SLA Terms and Conditions for RF Link Hiring****For Hardware, Software, Maintenance and Support Services**

1. The Vendor warrants that the products (hardware, software etc.) supplied under the contract are of the most recent or current model and they incorporate all recent improvements in design and / or features. The Vendor further warrants that all the Products supplied under this Contract shall have no defect, arising from design or from any act of omission of the Vendor, which may develop under normal use of the supplied products in the conditions prevailing in India.
2. The Vendor shall in addition comply with the performance guarantees specified under the Contract. If, for reasons attributable to the Vendor, these guarantees are not attained in whole or in part the Vendor shall make such changes, modifications and / or additions to the Products or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests.
3. During the term of the contract, the Vendor will maintain the link/network in perfect working order and condition and for this purpose will provide the following repairs and maintenance services:
 - a. The Bidder shall rectify any defects, faults and failures in the solution and shall repair/replace worn out or defective parts of the solution promptly, at no extra cost to RailTel.
 - b. Vendor shall at all times keep sufficient stock of spares.
4. Network Uptime, Payments and Penalty:
 - a. The Purchase Orders shall be issued by Executive Director, RailTel Corporation of India Ltd., Eastern Region, 19th Floor, Aurora Waterfront Building, Plot No. 34/1, Block GN, Sector-V, Salt Lake City, Kolkata – 700 091.and the payments shall also be made by the PO issuing authority.
 - b. The rentals will be paid end of each quarter; SLA and penalty will be calculated on monthly basis.

The Bidder is required to ensure a minimum availability (Uptime) of 99 % for the contracted link(s), on monthly basis. In case, the monthly availability falls below 99 % for a link, penalty would be imposed on the Bidder and the same would be deducted from the residual amount payable to the Bidder.

Downtime will be reckoned around the clock (24 X 7). For e.g. if the down time starts at 12.00 hours on a day and extends up to 11.00 hours the following working day, the downtime would be calculated as below:

First day: from 12:00 hrs to 00:00 hrs (i.e. 12.00 hrs). Second day: from 12.00 hrs to 11.00 hrs (i.e. 11.00 hrs). Total downtime: (12+11) hours = 23 hrs.

Link Availability in %

$$= \frac{(\text{No of days in the month} \times 24) - (\text{Downtime hours during the month})}{(\text{No of days in the month} \times 24)} \times 100$$

SLA:

Uptime @ in a calendar Month	Penalty (% on monthly rentalcharges of the affected link)
More than 99%	Nil
Less than 99 %, more than or equal to 98 %	5%
Less than 98 %, more than or equal to 97 %	10%
Less than 97 %, more than or equal to 96 %	20%
Less than 96 %, more than or equal to 95 %	30%
Less than 95 %, more than or equal to 94 %	40%
Less than 94 %, more than or equal to 92.5 %	50%
Less than 92.5 %, more than or equal to 90 %	70% + RailTel reserves the right to surrender the link
Below 90 %	100% + RailTel reserves the right to surrender the link

Note: In case of the link availability less than 90% in any month, 100% of the monthly rental will be deducted as penalty and also the link may be surrendered by RailTel.

MTTR:

Penalty against MTTR :- If down time per link failure more than 4 hrs then following rebate will be extended to RailTel .

1. 4hrs - 6hrs = 10%
2. 6 hrs -8 hrs = 15%
3. 8 hrs - 10hrs = 20%
4. 10hrs - 12 hrs = 25%
5. For more than 12 hrs = 50%

- The Availability will be calculated for each individual links.
- Availability shall be calculated on monthly basis.
- Preventive maintenance is to be carried out on as required as per tender conditions.
- No. of days in the month will be calculated as per the no. of days in a calendar month.
- The downtime will be measured on monthly basis.
- The system down time should not exceed 4 hours from the time at which the complaint was made. In case, the link is not restored within stipulated time, the RailTel may elect/choose to get the same repaired or replaced from any other outside agency and the

cost & expenditure incurred therein shall be recovered from the Contractor.

- Contractor shall check all protective measures are taken at the connectivity points at least once in a month.
 - The SLA breach penalty will be applicable proportionately on the selected bidder.
5. Bills submitted by the Vendor shall not be paid by the RailTel till compliance. In case even after withholding payments there is no improvement, RailTel may invoke at its discretion relevant clauses of the Tender Document.
 6. Penalty for not providing any other feature/facility and/or complying with term as per Tender Document. RailTel may stop the payment till the issue is resolved and/or may put a reasonable penalty on the vendor.
 7. The Vendor's maintenance personnel shall be given access to the equipment when necessary, for the purpose of performing the repair and maintenance services indicated in this Tender Document.
 8. Customer shall arrange to maintain appropriate environmental conditions, such as those relating to space, temperature, power supply, dust, etc. within the standard acceptable limits required for the solution.
 10. No term or provision hereof shall be deemed waived and no breach excused, unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to or waiver of a breach by other, whether express or implied, shall not constitute a consent to or waiver of or excuse for another different or subsequent breach.
 11. If in any quarter, the Vendor does not fulfill the provisions of clauses given above, only the proportionate charges for that period during the quarter will be considered payable by RailTel without prejudice to the right of RailTel to terminate the contract. If the Vendor has been credited without deducting the proportionate charges (as applicable) for that quarter, RailTel can deduct the same from future payments payable or the Vendor shall refund the amount forthwith to RailTel on demand by RailTel.
 12. On account of any negligence, commission or omission by the engineers/resources of the Vendor and if any loss or damage caused to the equipment/solution, the Vendor shall indemnify/ pay/ reimburse the loss suffered by RailTel.
 - 13. . Penalty to be imposed for the non-compliance/deficiencies:**

S No.	Description of non-compliance deficiencies	Penalty rate Incl. GST)
1	Absence of Rigger	Rs. 695/- per day
2	Absence of Helper	Rs. 494/- per day
	Note: If the person is under sanctioned leave, then it should be in knowledge of RailTel Engineer and contractor should deploy another person of same skill in place of absent person	

3	Non availability of vital equipment	Rs. 455/- per day
4	Unavailability of communication with maintenance team	Rs. 910/- per day

14. CONFIDENTIALITY:

The Vendor acknowledges that all material and information which has and will come into its possession or knowledge in connection with this agreement or the performance thereof, whether consisting of confidential and proprietary data or not, whose disclosure to or use by third parties may be damaging or cause loss to RailTel/Customer will all times be held by it in strictest confidence and it shall not make use thereof other than for the performance of this agreement and to release it only to employees requiring such information and not to release or disclose it to any other party, the Vendor agrees to take appropriate action with respect to its employees to ensure that the obligations of non-use and non-disclosure of confidential information under this agreement are fully satisfied. In the event of any loss to RailTel in divulging the information by the employees of the Vendor, RailTel shall be indemnified. The Vendor agrees to maintain the confidentiality of the Customer's information after the termination of the agreement also.

The Vendor will treat as confidential all data and information about the Customer / Contract, obtained in the execution of this tender including any business, technical or financial information, in strict confidence and will not reveal such information to any other party.

15. For the breach of any terms and conditions as mentioned in this Tender other than those for which an explicit penalty has already been mentioned, the bills/invoices raised by the selected bidder shall not be processed starting from the quarter to which the breach applies till the resolution of the same. However, depending on the severity of the breach, RailTel may decide to process partial payment of the pending invoices. No interest, or other compensation, shall be paid by RailTel for any delay in payment which arises due to reasons stated in this clause.

ANNEXURE-5.5

PERFORMANCE BANK GUARANTEE FORMAT
(TO BE STAMPED AS AN AGREEMENT)

CONTRACT PERFORMANCE GUARANTEE BOND
(On Stamp Paper of Rs one hundred)
(To be used by approved Scheduled Banks)

In consideration of the RailTel Corporation of India Limited, Eastern Region office 19th Floor, Aurora Waterfront Building, Plot No. 34/1, Block GN, Sector-V, Salt Lake City, Kolkata – 700091 (Herein after called the RailTel) having agreed to exempt (Hereinafter called “the said Contractor(s)”) from the demand, under the terms and conditions of an Agreement No. /PO dated made between RailTel Corporation of India Limited and for (hereinafter called “the said Agreement”) of security deposit for the due fulfillment by the said Contractor(s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs. (Rs. only). We, (indicate the name of the Bank) hereinafter referred to as “the Bank”) at the request of Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding Rs. against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.

We,(name of Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount as claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be coSECLusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.only.

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

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

We,(name of bank) further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or

before the We shall be discharged from all liability under this Guarantee thereafter. We,.....(name of bank) further agree with the RailTel that the RailTel shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time or to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have 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 name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.

NOT WITH STANDING ANYTHING CONTAINED HEREIN ABOVE

- (i) The liability of the surety under his Bank Guarantee shall not exceed Rs..... (Rupees only).
- (ii) This Bank guarantee shall be valid upto
- (iii) We are liable to pay the guaranteed amount or nay part thereof under this Bank Guarantee only and only if you serve upon the bank, written claim or demand on or before

Dated theday of 20....

for
(Indicate the name of the Bank)

Witness :

Signature :
Name :

Signature :
Name :

NOTE: The Guarantee shall be valid for a period of 90 days after the expiry of the service period.

ANNEXURE-5.6

BIDDER'S ORGANIZATION PROFILE

Details of the Bidder:

- 1) Name of the Applicant
- 2) Nature of Entity (Individual/Firm/ Partnership Firm /Company)
- 3) Registration No. for Firm/Partnership Firm /CIN for Company
- 4) Company website URL
- 5) Particulars of the Authorized Signatory of the Bidder
 - a. Name
 - b. Designation
 - c. Address
 - d. Phone Number (Landline)
 - e. Mobile Number
 - f. Fax Number
 - g. Email Address

Dated this day of..... 2023 at.....

For and on behalf of.....

Authorized Signatory.....

Designation.....

ANNEXURE-5.7**IT best practices to be followed by bidders****A. Device Management**

- * The devices should be hardened according to latest Secure Configuration
- * Unwanted services should be disabled on the devices.
- * Remote Device management should be done with secure channel e.g. SSH V2 & above.
- * Access of devices should be provided to authorize users based on IP, MAC, Ingress / Egress Packet Filtering etc.
- * Administrative access of devices should not be through generic user id.
- * Centralized Access control mechanism should be in place like TACACS, RADIUS etc. to access these devices
- * All devices should be time-based (NTP) synchronized.
- * Management traffic should be separate from the data traffic.
- * Devices should be physically secured.
- * Devices should not contain ACL i.e. "IP ANY – ANY Rule"
- * RailTel's Customer should have rights to audit/review the whole setup catering to their application.

B. Capability of devices

- SNMP v3/v4 Support.
- NTPv4, Syslog, Ping, TFTP and SSHv2.
- IPV6 support.

C. Security of traffic flow

- * Business Traffic should be encrypted by IPSEC using algorithm AES -128 or higher version.
- * Prevention mechanism for Denial of Service (DoS) attacks such as control plan.
- * DoS attack i.e. LDP.
- * Strong Hashing encryption algorithm should be used for authentication e.g. SHA -2(160 bits key size or more)
- * Prevention mechanism for attacks like reply attack, Black –hole, Grey – hole, Worm-hole, Router error injection, Attacks against IPsec, Rogue IPsec VPN gateway, offline cracking of Pre Shared key.
- * Secure IP Routing should be used.
- * Strong exchange key algorithm should be used for encryption and decryption e.g DH Group 5 & above
- * PFS [Perfect Forward Secrecy] should be enabled.
- * Management traffic to and from device should be encrypted
- * Management control should be from dedicated interface

D. Incident management

- Prevention mechanism for mis-configuration.
- Alert mechanism should be in place for any malicious event occurred etc.
- Every incident reported should be notified to Bank and documented

E. Patch management

- Network devices should be updated with latest firmware and security patches.
- Process for performing updated should be maintained and approved by RailTel

ANNEXURE-5.8

COMMISSIONING CERTIFICATE/ IN OPERATIONS CERTIFICATE

(Format may be amended/expanded by RailTel if required)

 <p>रेलटेल RAILTEL <small>A Subsidiary of India Undertaking</small></p>		<p>INSTALLATION OF TELECOM LINK AND RELATED STRUCTURE FOR CUSTOMER PREMISES CONNECTIVITY</p> <p>CERTIFICATE OF COMPLIANCE:</p>		
		NAME OF THE CONTRACTOR		DATE... ./.../2023
I. CUTOMER DETAILS				
LOCATION CODE:				
SITE NAME:				
SITE ADDRESS		DISTRICT:		STATE:
Customer Telephone No with STD code:			Customer Mobile no:	
CIRCUIT ID & Link Details: (To be filled in by vendor)		BANDWIDTH: (To be filled in by vendor)		
INSTALLATION TYPE: RF				
		HEIGHT OF THE MAST/TOWER: UP TO 3METER BETWEEN 3M AND 6M MORE THAN 6 METER (Please specify.....meters)		
		TYPE OF MAST: On roof On ground MONOPILE GUYED MONOPILE TOWER		
II. MONOPOLE/TOWER INSTALLATION COMPLIANCE				
(To be filled by RailTel Official. Check all that apply, cross that does not apply)				
S.I No.	ITEM	UP TO 3METER	BETWEEN 3M up to 6Mtr.	MORE THAN 6 METER
1	Heavy duty, thick non-corrosive steel tube is used			

2	Type of mast	Monopole <input type="checkbox"/>	Monopole or tower <input type="checkbox"/>	Tower is in lattice, tripod or square, tapered shape <input type="checkbox"/>
3	Weight of structure	less than 25 Kg <input type="checkbox"/>	less than 50 Kg <input type="checkbox"/>	Less than 150 kg <input type="checkbox"/>
4	Total floor area covered by the installation	less than 01 Square Foot <input type="checkbox"/>	less than 04 Square Foot <input type="checkbox"/>	less than 09 square Foot <input type="checkbox"/>
5	Mast is guyed (wired support)	Mast is guyed <input type="checkbox"/>	Tower is guyed <input type="checkbox"/>	Tower is guyed <input type="checkbox"/>
6	Base of the tower	Not applicable	Base of the tower concrete structure. If tower is erected on ground, it should have a firm foundation made of good quality concrete structure of which minimum 0.5 metre part Should be inside a pit in the ground <input type="checkbox"/>	Base of the tower is a concrete structure. If tower is erected on ground, it should have a firm foundation made of good quality concrete structure of of which minimum 0.5 metre part should be inside a pit in the ground <input type="checkbox"/>
7	Climbing rungs	Not applicable <input type="checkbox"/>	Tower is fitted with Climbing rungs <input type="checkbox"/>	Tower is fitted with Climbing rungs <input type="checkbox"/>
8	Tower painting : Two Coat International orange/White tower (non gloss paint)			
9	Mast/tower should have adequate protection against all possible disruptions including anti climb system against birds, moneys and other animals.			
10	All structural components including washers, clips, nuts & bolts should be galvanized.			
11	Separate down conductors shall be installed from mast/tower to earth.			
12	Wires from the antenna should properly guided and firmly bound to mast.			
13	Outdoor wire should have Proper shielding from antenna till system room Deflection of antenna is less than 05 cm manually			
14	shaking the mast			
15	Signal strength as shown in the meter			
16	Wire from this connectivity is in CP Router			
17	Details of Surge protection provided			
18	Earthing of mast (Earth resistance measured)			

Any other remark on the work being certified:

III. CERTIFICATE OF COMPLIANCE FOR THE WORK DONE	
I have visually verified the installation and certify that the information provided herein is true and accurate the best of my knowledge.	
SIGNATURE & STAMP OF THE VENDOR	SIGNATURE & STAMP OF RAILTEL OFFICIAL
III. CERTIFICATE OF COMPLIANCE FOR THE WORK DONE	
I certify that the pole/tower erected by M/s.....on behalf of M/s (bidder company). for the connectivity of the Customer details)(...../office adheres to the law of the land (Municipality law, Airport authority law, TRAI guidelines etc.) and in case of any legal dispute, I indemnify the RailTel of behalf of M/s..... I also certify that I am authorized for making this declaration.	
SIGNATURE OF THE VENDOR'S REPRESENTATIVE (with name and company stamp)	NAME OF THE CONTRACTOR'S REPRESENTATIVE

ANNEXURE-5.9(a)**Last Mile RF Link Requirement Details****ANNEXURE-5.9 (a)****Last Mile RF Link Requirement Details****Tender No.:** RailTel/Tender/OT/ER/HQ/2023-24/1477, dated 08.08.2023**Zone-1:** Hiring of Last Mile Radio Frequency links under SECL Project in Korba, SECL HQ, Champa and Kusmunda Area.

S. No	'A' End	'B' End	Bandwidth Capacity in Mbps
A. Korba Area & SECL HQ			
A.(i) Korba Area			
1	Dhelwadih WB	Sub Area Manager office, D-S-B Sub Area	20 mbps
2	Dhelwadih WB	Manager Office, Dhelwadih UG Mine	20 mbps
3	Bagdewa WB	Manager Office, Bagdewa UG Mine	20 mbps
4	Singhali WB	Manager Office, Singhali UG Mine	20 mbps
5	Surakachar new WB	Sub Area Manager Office, SRK-BLG Sub Area	20 mbps
6	Balgi UG WB	Manager Office, Balgi UG	20 mbps
7	SRK 3&4	Manager Office, SRK 3&4 UG Mine	20 mbps
8	Manikpur 4 WB	Sub Area Manager Office, Manikpur Sub Area	20 mbps
9	Rajgamar 4/5 WB	Sub Area Manager Office, Rajgamar Sub Area	20 mbps
10	Rajgamar 4/5 WB	Manager Office, Rajgamar 4&5 UG Mine	20 mbps
11	Rajgamar 4/5 WB	Manager Office, Rajgamar 6&7 UG Mine	20 mbps
12	Saraipali WB 1	Sub Area Manager Office, Saraipali OCP	20 mbps
13	Surakachar 3/4	Sub Area Office, Banki UG Mine	20 mbps
14	Area HQ	Main Hospital, Korba	20 mbps
15	Surakachar 3/4	Banki Main Hospital, Banki	20 mbps
16	Rajgamar 4/5 WB	Rajgamar Dispensary	20 mbps
17	Dhelwadih WB	Dhelwadih Dispensary	20 mbps
18	Surakachar 3/4	Banki Main Magazine	20 mbps
19	Manikpur 4 WB	Manikpur Main Magazine	20 mbps
20	Rajgamar 4/5	Rajgamar Main Magazine	20 mbps
21	Singhali New WB	Singhali Magazine	20 mbps
22	Manager Office	Bagdewa Magazine	20 mbps
23	Surakachar 3/4	Ghordeva Sub Station	20 mbps
24	A.O.	Korba Area Substation	20 mbps
25	A.O.	Korba Area Auto section	20 mbps
26	Central Store (Korba AO)	BETI Korba	20 mbps
27	AO	Filter Plant, Korba	20 mbps
28	AO	L&R Office Building, Korba	20 mbps

29	Balgi UG WB	Balgi Dispensary/Civil Maintenance	20 mbps
30	Balgi UG WB	Balgi Rescue Room	20 mbps
31	Balgi Rescue Room	Balgi Workshop	20 mbps
32	Manikpur Sub station	Manikpur Erection Yard	20 mbps
33	Manikpur 4 WB	Manikpur Sub Station	20 mbps
34	Manikpur 4 WB	Manikpur CAAQMS Office	20 mbps
35	Saraipali OCP WB	Road Weighbridge No.03	20 mbps
36	Manikpur Siding 02	Road Weighbridge, Manikpur Siding 02	20 mbps
37	Rajgamar 4/5 WB	Road Weighbridge Rajgamar 6&7	20 mbps
38	Manikpur 3	Boom Barrier 01, Manikpur	20 mbps
39	Manikpur Sub station	Boom Barrier 02, Manikpur	20 mbps
40	Rajgamar 4&5	Boom Barrier, Rajgamar 4&5	20 mbps
41	Saraipali OCP WB	Boom Barrier, Saraipali OCP	20 mbps
42	Korba rly pop	Korba A.O.	500 mbps
43	Korba AO	Manikpur W.B.	20 mbps
44	Surakachar W.B 3-4	Balgi	20 mbps
45	Korba AO	Kusmunda AO (kusmundaOITDS)	500 mbps
46	Microwave Tower RCIL OFC BSP	Saraipali WB-01 (SECL)	100 mbps
47	Saraipali WB-01 (SECL)	Saraipali WB-02 (SECL)	20 mbps
48	Korba AO	Central Workshop Korba	20 mbps
49	Nearest location	Manikpur WB NO.-04	50 mbps
50	Nearest location	Saraipali_WB-2	100 mbps
51	Nearest location	Banki Main Magazine	50 mbps
52	Nearest location	Rajgamar 9/10 Muhara	50 mbps
53	Nearest location	Balgi Manager Office	50 mbps
54	Nearest location	Rajgamar SAM Office	50 mbps
55	Nearest location	Main Hospital AHQ Korba	50 mbps
56	Nearest location	Ghurdewa Sub Station	50 mbps
57	Nearest location	Banki Main Hospital	50 mbps
58	Nearest location	Rajgamar 6/7 Workshop	50 mbps
59	Nearest location	Dhelwadiah Road WB	50 mbps
60	Nearest location	Manikpur Siding 02 Rail WB	50 mbps
61	Korba A.O.	Delwahdih WB	50 mbps
A.(ii) SECL HQ			
1	BSP Microwave	SECL HQ	100 mbps
2	SECL HQ	Vasant Vihar TA Office	20 mbps
3	Indira Vihar MDI	Indira Vihar TA Office	20 mbps
Total no. of RF Links to be Hired in Korba & SECL HQ Area			64
B. Kusmunda Area			
1	Kusmunda AO(OITDS)	Kusmunda WB-2(WB-21)	20 mbps
2	Kusmunda AO	Kusmunda WB-13(WB-18)	20 mbps
3	Kusmunda AO(OITDS)	Kusmunda WB-10	20 mbps
4	Kusmunda AO	Kusmunda WB-16	20 mbps

5	Kusmunda AO	Kusmunda BB	20 mbps
6	Kusmunda AO(OITDS)	Kusmunda K1K2K3	20 mbps
7	Gevra CGM	Kusmunda Magazine(Sampling Office)	20 mbps
8	Gevra Rd Stn.(Kushmunda BB)	Vikas Nagar Hospital	20 mbps
9	AHQ	Adarsha Nagar Hospital	20 mbps
10	WB 21	Exec W/S No.- 1	20 mbps
11	WB 6	Exec W/S No.- 2	20 mbps
12	WB 21/ OITDS	E&M Workshop 1	20 mbps
13	WB 6	E&M Workshop 2	20 mbps
14	WB 21	Roadsale Building Near Exev. WS -3	20 mbps
15	OITDS	CHP Phase-1 Office	20 mbps
16	OITDS	CHP Phase-2 Silo Office	20 mbps
17	WB 21	CISF Check Post (KB-4)	20 mbps
18	WB 21	Mining Shed Office, KOCP	20 mbps
19	AO	GM (M)/ SAM Office	20 mbps
20	WB 14/ OITDS	Road WB No.19	20 mbps
21	OITDS	Road WB No.16/ MTK-01	20 mbps
22	Kusmunda AO	Rajgamar 4&5	20 mbps
23	Kusmunda AO	Bagdewa Old	20 mbps
24	Kusmunda AO	Singhali New	20 mbps
25	Kusmunda AO	Surakachar W.B 3-4	20 mbps
26	Kusmunda AO	Kusmunda OITDS	20 mbps
27	Kusmunda OITDS	Kusmunda W.B-16	20 mbps
28	Kusmunda OITDS	Kusmunda W.B-14	20 mbps
29	Kusmunda OITDS	Kusmunda W.B-17 (WB-21)	20 mbps
30	Nearest location	Barkutta mines	50 mbps
31	Nearest location	WB 24	50 mbps
32	Nearest location	WB 20	50 mbps
33	Nearest location	WB 19	50 mbps
34	Nearest location	WB 25	50 mbps
35	Nearest location	WB-2	50 mbps
36	Nearest location	Vikas Nagar Hospital	50 mbps
37	Nearest location	Kusmunda Magazine(Sampling Office)	50 mbps
38	Nearest location	Samanta Office	50 mbps
Total no. of RF Links to be Hired in Kusmunda Area			38

Total no. of RF Links to be Hired in Zone-1	102
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ANNEXURE-5.9 (b)**Last Mile RF Link Requirement Details****Zone-2: Tender No.: RailTel/Tender/OT/ER/HQ/2023-24/1478, dated 08.08.2023**

Hiring of Last Mile Radio Frequency links under SECL Project in Gevra and Dipka Area.

S. No	'A' End	'B' End	Bandwidth Capacity in Mbps
A. Gevra Area			
1	Gevra AO	Gevra WB-8	20 mbps
2	Gevra AO	Gevra WB-10	20 mbps
3	Gevra AO	Gevra WB-11	20 mbps
4	Gevra AO	Gevra WB-2	20 mbps
5	Gevra AO	Gevra WB-15	20 mbps
6	Gevra AO	Gevra WB-13	20 mbps
7	Gevra AO	Gevra WB-3	20 mbps
8	Gevra AO	Gevra WB-7	20 mbps
9	Gevra AO	Gevra WB-9	20 mbps
10	Gevra AO	Gevra WB-12	20 mbps
11	Gevra AO	Gevra WB-4	20 mbps
12	Gevra AO	Gevra WB-19	20 mbps
13	Gevra AO	Gevra WB-BB	20 mbps
14	Gevra AO	Gevra WB-14	20 mbps
15	Gevra AO	Gevra WB-18	20 mbps
16	Gevra CGM Office	Gevra New Silo	20 mbps
17	Gevra New Silo	Junadih	20 mbps
18	Gevra New Silo	Gevra AO	500 mbps
19	Gevra New Silo	Dipka AO	500 mbps
20	Kusmunda AO	Gevra New Silo	100 mbps
21	Guest House/ CGM	N.C. Hospital	20 mbps
22	Project Office	Excavation Workshop	20 mbps
23	Project Office	Shramik Chowk	20 mbps
24	Project Office	Office of SAM Gevra Project	20 mbps
25	CGM	CETI	20 mbps
26	Project Office	Auto Section	20 mbps
27	Project Office	Quarry Complex	20 mbps
28	CGM	132 KV Sub station	20 mbps
29	CGM	33 KV main Substation	20 mbps
30	CGM	Explosive Magazine	20 mbps
31	Hospital	TA Office	20 mbps
32	New Silo/ E&T	Sampling Office/ Project/ Goal Office	20 mbps
33	Project Office	Weigh Bridge 05	20 mbps

34	Project Office/ E&T	Weigh Bridge 06	20 mbps
35	New Silo	Weigh Bridge 16	20 mbps
36	Project Office/ New Silo	Weigh Bridge 17	20 mbps
37	WB 19	Weigh Bridge 18	20 mbps
38	Project Office Gevra	Execution Workshop	20 mbps
39	Nearest location	N.C. Hospital	50 mbps
40	Nearest location	Gevra New Silo	50 mbps
41	Nearest location	Excavation Workshop	50 mbps
42	Nearest location	Sampling Office/ Project/ Goal Office	50 mbps
43	Nearest location	Execution Workshop	50 mbps
44	Nearest location	Gevra WB-3	50 mbps
45	Nearest location	Gevra WB-7	50 mbps
46	Nearest location	Gevra WB-BB	50 mbps
Total no. of RF Links to be Hired in Gevra Area			46
B. Dipka Area			
1	Dipka AO	Dipka WB-7	20 mbps
2	Dipka AO	Dipka WB-19	20 mbps
3	Dipka AO	Dipka WB-4	20 mbps
4	Dipka AO	Dipka WB-11	20 mbps
5	Dipka AO	Dipka WB-6	20 mbps
6	Dipka AO	Dipka WB-10	20 mbps
7	Dipka AO	Dipka Silo	20 mbps
8	Dipka AO	Dipka WB-16	20 mbps
9	Dipka AO	Dipka WB-1	20 mbps
10	Dipka AO	Dipka WB-21	20 mbps
11	Dipka AO	Dipka WB-12	20 mbps
12	Dipka AO	Dipka Railway Siding	20 mbps
13	Dipka AO	Dipka WB-5	20 mbps
14	Dipka AO	Dipka WB-8	20 mbps
15	Dipka AO	Dipka WB-15	20 mbps
16	Dipka AO	Dipka WB-20	20 mbps
17	Dipka AO	Dipka WB-22	20 mbps
18	Hospital/ Dipka Silo	Pragati House	20 mbps
19	Area HQ/ WB-10	Dipka Project Office/ MTK-02	20 mbps
20	Project Office	Area Civil Office/ 132KV Sub Station	20 mbps
21	Dipka Area	IVTS Control Room/ OITDS	20 mbps
22	WB -7/ Dipka AO	CHP Control Room/ Shramik Chowk	20 mbps
23	Project Office/ Dipka AO	Query Complex/ Reki	20 mbps
24	Project Office/ Dipka AO	E&M Project Office	20 mbps
25	Project Office/ Dipka WB-01	TA E&M and Civil Office/ Dipka WB-24	20 mbps
26	WB-3	Boom Barrier-3	20 mbps
27	WB-5/ Dika WB-24	Boom Barrier-5/ Dipka WB-09	20 mbps

28	Area office/ Dipka Silo	Boom Barrier-6/ WB-06	20 mbps
29	Area office/ Dipka Silo	Boom Barrier-6/ WB-06	20 mbps
30	WB-5/ REKI	Boom Barrier-7/ V Point 01	20 mbps
31	WB-8	Boom Barrier-8	20 mbps
32	Silo WB/ REKI	NTPC Boom Barrier/ V Point 02	20 mbps
33	Regional Hospital	VTC Office	20 mbps
34	Champa	Dipka AO	500 mbps
35	Nearest location	Dipka WB-7	50 mbps
36	Nearest location	Dipka WB-11	50 mbps
37	Dipka Area	Dipka WB-27	50 mbps
38	Nearest location	Pragati House	50 mbps
39	Nearest location	IVTS Control Room/ OITDS	50 mbps
40	Nearest location	TA E&M and Civil Office/ Dipka WB-24	50 mbps
41	Nearest location	Boom Barrier-3	50 mbps
42	Nearest location	BB-2	50 mbps
43	Nearest location	NTPC siding	50 mbps
44	Nearest location	WB-29	50 mbps
45	Nearest location	Dipka WB-6	50 mbps
Total no. of RF Links to be Hired in Dipka Area			45

Total no. of RF Links to be Hired in Zone-2		91
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ANNEXURE-5.9 (c)**Last Mile RF Link Requirement Details****Zone-3: Tender No.: RailTel/Tender/OT/ER/HQ/2023-24/1479, dated 08.08.2023**

Hiring of Last Mile Radio Frequency links under SECL Project in Raigarh Area.

S. No	'A' End	'B' End	Bandwidth Capacity in Mbps
A. Raigarh Area			
1	Raigarh A.O.	Korichhapar Siding	20 mbps
2	Raigarh A.O.	Chhal WB-1	20 mbps
3	Raigarh A.O.	Chhal WB-2	20 mbps
4	Raigarh A.O.	Chhal WB-4	20 mbps
5	Raigarh A.O.	Chhal WB-6	20 mbps
6	Raigarh A.O.	Raigarh Regional Store	20 mbps
7	Raigarh A.O.	Barod WB-3(WB-2)	20 mbps
8	Raigarh A.O.	Barod WB-6	20 mbps
9	Raigarh A.O.	Barod WB-4	20 mbps
10	Raigarh A.O.	Barod WB-5	20 mbps
11	Raigarh A.O.	Barod WB-8	20 mbps
12	Raigarh A.O.	Jampali WB-1	20 mbps
13	Raigarh A.O.	Jampali Boom Barrier	20 mbps
14	Raigarh A.O.	Jampali WB-3(Jampali SAO)	20 mbps
15	Raigarh A.O.	Jampali WB-5	20 mbps
16	Raigarh A.O.	Garepalma 4/2-3 WB-01	20 mbps
17	Raigarh A.O.	Garepalma 4/2-3 WB-02	20 mbps
18	Raigarh A.O.	Garepalma 4/2-3 WB-03	20 mbps
19	Raigarh A.O.	Garepalma 4/2-3 WB-04	20 mbps
20	Raigarh A.O.	Garepalma 4/2-3 WB-06	20 mbps
21	Raigarh A.O.	Garepalma 4/2-3(SAM Office)	20 mbps
22	Raigarh A.O.	Barod SAM Office	20 mbps
23	Raigarh A.O.	Jampali WB New	20 mbps
24	Raigarh A.O.	Korichhapar Rly WB	20 mbps
25	Chhal WB 01/ Regional Store	Chhal SAM Office/ CHP Office	20 mbps
26	Raigarh AHQ	AHQ Dispensary	20 mbps
27	Chhal WB 01/ Rescue Room	Area Work Shop	20 mbps
28	Barod WB 03	Barod Magazine	20 mbps
29	Barod WB 03/ Barod tower	Barod Manager Office	20 mbps
30	Barod WB 03	Barod New patch boom barrier	20 mbps
31	Barod WB 03	Barod WB 09	20 mbps
32	Bijari Mines/ Bijari Boom Barrier	Bijari Manager Office	20 mbps
33	Bijari Mines/ Bijari Boom Barrier	Bijari WB 01	20 mbps

34	Bijari Mines/ Bijari Boom Barrier	Bijari WB 02	20 mbps
35	Bijari Mines/ Bijari Boom Barrier	Bijari WB 03	20 mbps
36	Bijari Mines	Boom Barrier Bijari New Patch	20 mbps
37	Chhal WB 01	Boom Barrier Chall	20 mbps
38	Chhal WB 01	Barod WB 03	20 mbps
39	Chhal Regional Store	Chhal Hospital/ Dispensary	20 mbps
40	Chhal WB 01	Chhal Main Magazine	20 mbps
41	Chhal WB 01	Chhal Manager Office	20 mbps
42	Chhal WB 01	Chhal Siding Rail WB	20 mbps
43	Chhal WB 01	Chhal Siding Road WB	20 mbps
44	Chhal WB 02	Chhal Road WB 5	20 mbps
45	Chhal WB 01	Domnara Dispensary	20 mbps
46	Barod WB 3	Barod Sub Area Office	20 mbps
47	Gareplma SAM Office	Gareplma IV /2&3 Boom Barrier	20 mbps
48	Gareplma SAM Office/ CHP Office	Gareplma IV /2&3 Manager Office/Dispatch Office	20 mbps
49	Chhal WB 01	IVTS/Rescue Room	20 mbps
50	Jampali SAO	Jampali Boom Barrier New	20 mbps
51	Jampali SAO	Jampali Magazine	20 mbps
52	Jampali SAO	Jampali Manager Office	20 mbps
53	Jampali SAO	Jampali SAM	20 mbps
54	Jampali WB 1	Jampali WB 2	20 mbps
55	Karichapar Wb 2/ Rail WB-02	Korichhpar Manager Siding	20 mbps
56	Karichapar Wb 2	Robertson Road WB	20 mbps
57	Barod Boom Barrier	Pelma OCP	20 mbps
58	Barod Boom Berrier	Bijari mines	20 mbps
59	Nearest location	Garepalma 4/2-3 WB-01	100 mbps
60	Barod Sam office	Barod WB	100 mbps
61	Nearest location	Bijari WB 01	50 mbps
62	Nearest location	Barod WB 09	50 mbps
63	Nearest location	Bijari WB 02	50 mbps
64	Nearest location	Barod WB 03	50 mbps
65	Nearest location	Jampali Boom Barrier New	50 mbps
66	Nearest location	Jampali SAM	50 mbps
67	Nearest location	Korichhpar Manager Siding	50 mbps
68	Raigarh A.O.	Chhal WB-1	50 mbps
Total no. of RF Links to be Hired in Raigarh Area			68

Total no. of RF Links to be Hired in Zone-3	68
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ANNEXURE-5.9 (d)**Last Mile RF Link Requirement Details****Zone-4: Tender No Tender No.: RailTel/Tender/OT/ER/HQ/2023-24/1480, dated 08.08.2023**

Hiring of Last Mile Radio Frequency links under SECL Project in Bishrampur, Bhatgaon and Baikunthpur Area.

S. No	'A' End	'B' End	Bandwidth Capacity in Mbps
A. Bishrampur Area			
1	Kumda 7/8	Kumda Manager Office	20 mbps
2	Balrampur WB	Balrampur Manager Office	20 mbps
3	Rehar WB	Rehar Manager Office	20 mbps
4	Gayatri WB	Gayatri Manager Office	20 mbps
5	Gayatri WB	Ketki Manager Office	20 mbps
6	Aamgao WB No.2 (Area Office)	Aamgaon Manager Office	20 mbps
7	BASA SAO	Workshop	20 mbps
8	Amera SAO (Area Office)	VTC	20 mbps
9	Amera SAO	Hospital	20 mbps
10	Rehar WB	Rehar Store	20 mbps
11	Ketki Manager Office	Ketki Store	20 mbps
12	Kumda SAO	Kumda Balrampur Store	20 mbps
13	Bishrampur A.O.	Balrampur UG WB	20 mbps
14	Bishrampur A.O.	Kumda 7&8 WB	20 mbps
15	Bishrampur A.O.	Amera OC WB 1	20 mbps
16	Bishrampur A.O.	Amera OC WB 2	20 mbps
17	Bishrampur A.O.	Amagaon OCP WB 1	20 mbps
18	Bishrampur A.O.	Amagaon OCP WB 2	20 mbps
19	Bishrampur A.O.	Amagaon OCP WB 3(RGK SAO)	20 mbps
20	Bishrampur A.O.	Kumda Siding W.B (Kumda SAO)	20 mbps
21	Bishrampur A.O.	Kumda Rd W.B	20 mbps
22	Bishrampur A.O.	Bishrampur OCM Siding W.B	20 mbps
23	Bishrampur A.O.	Bishrampur Regional Store	50 mbps
24	Bishrampur A.O.	Rehar UG WB	20 mbps
25	Bishrampur A.O.	Gaytri UG WB	20 mbps
26	Bishrampur A.O.	Bishrampur OCM Road W.B	20 mbps
27	Nawapara SAO	Bishrampur AO	20 mbps
28	Karanji Rly Pop	Bishrampur AO	500 mbps
29	Amera SAO	Gaytri Manager Office	50 mbps
30	Gaytri Manager Office	Amagaon WB	50 mbps
31	Bishrampur A.O.	Balrampur UG WB	50 mbps
Total no. of RF Links to be Hired in Bishrampur Area			31

B. Bhatgaon Area			
1	CHP WB 1/2	SAM Office, Bhatgaon Sub-Area	20 mbps
2	Mahan OCM(Bhatgaon AO)	SAM Office, Dugga Sub-Area	20 mbps
3	Area Office	SAM Office, Kalyani Sub-Area	20 mbps
4	CHP WB 1/2	Colliery Manager Office, Bhatgaon	20 mbps
5	Jagannathpur SAO	Colliery Manager Office, Jagannathpur	20 mbps
6	Bhatgaon Rly. Siding (Duggwarfall Siding 1/2)	CMO Chamber, Bhatgaon Hospital	20 mbps
7	Bhatgaon Rly. Siding(CHP WB 1/2)	Siding In-charge Office Bhatgaon Siding	20 mbps
8	CHP WB 1/2 (Duggwarfall Siding 1/2)	Ashiyana/VIP Guest House	20 mbps
9	Kalyani SAO	Colliery Manager Office, Kalyani	20 mbps
10	Jagganathpur SAO	RWB No.2, Jagganathpur	20 mbps
11	Jagganathpur SAO	RWB No.3, Jagganathpur	20 mbps
12	Jagganathpur SAO	RWB No.4, Jagganathpur	20 mbps
13	CHP WB 1/2	Area Workshop Bhatgaon/ Unit Store	20 mbps
14	Mahan 2 SAO	Colliery Manager Office, Mahan 2 OCM	20 mbps
15	Dugga Road WB (Duggwarfall Siding 1/2)	Main Magazine, Dugga	20 mbps
16	Area Office	Manoranjan Grih, Shakti Nagar	20 mbps
17	Regional Store (Mahan OCM Road WB)	Colliery Manager Office, Mahamaya	20 mbps
18	CHP WB 1/2	Colliery Engineer (E&M) Office,Bhatgaon Unit Workshop	20 mbps
19	CHP WB 1/2	Bhatgaon Magazine	20 mbps
20	CHP WB 1/2	VTC, Bhatgon Sub-Area	20 mbps
21	Nawapara SAO	Bhatgaon AO	20 mbps
22	Nawapara SAO	Mahan 2 SAO	20 mbps
23	Karanji Rly Pop	Bhatgaon AO	20 mbps
24	Any Nearest POP	Mahan II WB-02 (Shifted Jagannathpur WB-1)	20 mbps
25	Any Nearest POP	Mahan II WB-01 (Shifted to Barkutta Kusmunda)	20 mbps
26	Any Nearest POP	Mahan II WB-03 (Shifted to Shift Incharge Office)	20 mbps
27	Any Nearest POP	Mahan II WB SAO	20 mbps
28	Any Nearest POP	Mahan II WB-05	20 mbps
29	Any Nearest POP	Nawapara WB	20 mbps
30	Any Nearest POP	Mahamaya WB	20 mbps
31	Any Nearest POP	Bhatgaon Regional Store	20 mbps
32	Any Nearest POP	Mahan OCM	20 mbps
33	Any Nearest POP	Dugga Wharfall WB	20 mbps
34	Any Nearest POP	Bhatgaon CHP/Siding WB	20 mbps
35	Any Nearest POP	CHP 1 & 2 WB	20 mbps
36	Any Nearest POP	Wharfall Rly Siding WB	20 mbps

37	Any Nearest POP	Shivani Mines WB	20 mbps
38	Any Nearest POP	Colliery Manager office Shivani	20 mbps
39	Nearest point	Jaggnathpur WB -2	50 mbps
Total no. of RF Links to be Hired in Bhatgaon Area			39
C. Baikunthpur Area			
1	Churcha road WB	SAM Churcha	20 mbps
2	Katkona road WB	SAM Katkona WB	20 mbps
3	Pandavpara Road WB	SAM Jhilmili	20 mbps
4	Regional store	Manager Churcha	20 mbps
5	Katkona Road WB	Manager Katkona	20 mbps
6	Jhilmili Road WB	Manager Jhilmili	20 mbps
7	Churcha SAO	Regional Hospital	20 mbps
8	AHQ	Rescew Room	20 mbps
9	Regional Store	VTC	20 mbps
10	Churcha Road WB	Churcha Siding	20 mbps
11	Pandavpara Road WB	Manager Pandavpara	20 mbps
12	Churcha Road WB	Manager Churcha (Katgodi)	20 mbps
13	Any Nearest POP	Regional Store	20 mbps
14	Any Nearest POP	Churcha East WB	20 mbps
15	Any Nearest POP	Churcha CHP WB	20 mbps
16	Any Nearest POP	Jhilmili WB	20 mbps
17	Any Nearest POP	Pandavpara WB	20 mbps
18	Any Nearest POP	Katora Railway Siding WB	20 mbps
19	Any Nearest POP	Katora Road WB	20 mbps
20	Any Nearest POP	Katkona WB 1&2	20 mbps
21	Baikunthpur Area	Jhilmili WB	50 mbps
22	Manager Katkona	Katkona road WB	50 mbps
Total no. of RF Links to be Hired in Baikunthpur Area			22
Total no. of RF Links to be Hired in Zone-4			92

ANNEXURE-5.9 (e)**Last Mile RF Link Requirement Details****Zone- 5: Tender No.: RailTel/Tender/OT/ER/HQ/2023-24/1481, dated 08.08.2023**

Hiring of Last Mile Radio Frequency links under Project SECL in Hasdeo, Chirimiri and Jamuna & Kotma Area.

S. No	'A' End	'B' End	Bandwidth Capacity in Mbps
A. Hasdeo Area			
1	MDGR POP	Central Hospital	20 mbps
2	Rajnarar RO Rly. WB(OCM SAM)	Rajnarar RO Sub Area Manager Office	20 mbps
3	Behraband WB	Behraband Sub Area Manager Office	20 mbps
4	Kurja Canteen	Kurja Sub Area Manager Office	20 mbps
5	HSD AO	CCTV/E&T/IVTS	20 mbps
6	Kapildhara WB	Kapildhara Manager Office	20 mbps
7	Jhiriya WB	Jhiriya Mine Manager Office	20 mbps
8	Haldebari WB	Haldebari Manager Office	20 mbps
9	West JKD WB	West JKD Manager Office	20 mbps
10	Rajnarar RO Rly. WB	Rajnarar RO GVTS	20 mbps
11	Rajnarar RO Road WB	Hospital C Sector	20 mbps
12	Rajnarar OCM SAO	Rajnarar Sector A Diesel Pump	20 mbps
13	Rajnarar RO Rly. WB	Rajnarar Office 5/6 Mine	20 mbps
14	Rajnarar RO Rly. WB	Rajnarar RO Store	20 mbps
15	Rajnarar RO Rly. WB	Poradhar Hospital / MTK	20 mbps
16	Kapildhara WB	Kapildhara Dispensary1	20 mbps
17	Kurja Canteen	Kurja Manager Office	20 mbps
18	Rajnarar RO Road WB	Rajnarar OC Mine F Sector	20 mbps
19	Rajnarar RO Rly. WB	Rajnarar RO Main Magazine	20 mbps
20	Rajnarar OCM Sub Area Office	Rajnarar OCM Magazine	20 mbps
21	JKD WB	JKD Main Magazine	20 mbps
22	Hasdeo Regional Store	Bijuri Main Magazine	20 mbps
23	Haldibadi Rd Wb	Rajnarar RO SAO	20 mbps
24	Chirimiri AO	Hasdeo AO	500 mbps
25	HASDEO	BEHERABANDH WB	20 mbps
26	HASDEO	BIJURI COLLIERY ROAD WB	20 mbps
27	HASDEO	BIJURI RAILWAY WB	20 mbps
28	HASDEO	KURJA WB	20 mbps
29	HASDEO	KAPILDHARA WB	20 mbps
30	HASDEO	RAJNAGAR OCM WB	20 mbps
31	HASDEO	RAJNAGAR RO WB	20 mbps
32	HASDEO	RAMNAGAR WB/ Jhiriya Mine	20 mbps
33	HASDEO	WEST JKD WB	20 mbps

34	HASDEO	SOMNA COLLIERY	20 mbps
35	HASDEO	HALDIBARI WB	20 mbps
36	HASDEO	RAJNAGAR RO RLY SIDING WB	20 mbps
37	HASDEO	RAJNAGAR RLY OCM WB	20 mbps
38	Hasdeo Area Office	Manendragarh Hospital	50 mbps
Total no. of RF Links to be Hired in Hasdeo Area			38
B. Chirimiri Area			
1	NCPH Rly. WB & NCPH Siding	SAM Office NCPH	20 mbps
2	CHRM Rly. WB	Chirimiri OCM Manager	20 mbps
3	NCPH New WB	Manager Office NCPH	20 mbps
4	Khursia WB	Manager Office Khursia	20 mbps
5	Doman Hill WB	Rescue Station	20 mbps
6	Bartunga WB	Manager Office , Bartunga	20 mbps
7	Vijay West	Manager Office, Vijay West	20 mbps
8	Area Office	Manager Office, WCC	20 mbps
9	Raniatari WB	Manager Office Raniatari	20 mbps
10	NCPH Rly. WB	Central Lab & VTC	20 mbps
11	Chirmiri A.O.	Vijaya West WB	20 mbps
12	Chirmiri A.O.	Repeater Rani Atari WB	20 mbps
13	Chirmiri A.O.	Repeater Vijaya West WB	20 mbps
14	Bijuri Rly Station	Chirimiri AO	20 mbps
15	CHIRMIRI	NCPH OLD WB	20 mbps
16	CHIRMIRI	NCPH SIDING WB	20 mbps
17	CHIRMIRI	WEST CHIRIMIRI COLLIERY WB	20 mbps
18	CHIRMIRI	DOMANHILL ROAD WB	20 mbps
19	CHIRMIRI	KURASIYA COLLIERY WB	20 mbps
20	CHIRMIRI	CHIRIMIRI OCM ROAD WB-1	20 mbps
21	CHIRMIRI	CHIRIMIRI OCM ROAD WB-2	20 mbps
22	CHIRMIRI	CHIRIMIRI UG SIDING WB	20 mbps
23	CHIRMIRI	BARTUNGA HILL MINE WB	20 mbps
24	CHIRMIRI	NCPH NEW WB	20 mbps
25	CHIRMIRI	CHIRIMIRI SIDING ROAD WB	20 mbps
26	CHIRMIRI	DOMANHILL RLY SIDING WB	20 mbps
27	Bishrampur A.O.	Raniaatari WB	100 mbps
28	Bijuri Rly Station	Chirimiri AO	500 mbps
Total no. of RF Links to be Hired in Chirimiri Area			28
C. J&K Area			
1	Area Office	Jamuna 1/2 SAM Office	20 mbps
2	Bhadra 7/8	Bhadra SAM office	20 mbps
3	Bartarai WB	Amadand Bartari UG SAM/ Bartarai Manager Office	20 mbps
4	J&K Hospital	Kotma Colliery WorkShop	20 mbps
5	Area Office/ Jamuna 1&2 WB	Jamuna Workshop	20 mbps

6	Area Office	VTC	20 mbps
7	Kotma Rly Stn. POP	Inmotion Rail WB	20 mbps
8	Jamuna 1&2 WB	Jamuna 5/6 SOM Office	20 mbps
9	Bhadra7/8	Bhadra7/8 SOM Office	20 mbps
10	Jamuna 9/10	Jamuna 9/10 SOM Office	20 mbps
11	Meera WB	Meera SOM Office	20 mbps
12	Bartarai WB	Bartarai SOM Office	20 mbps
13	Area Office	Jamuna Magazine	20 mbps
14	Area Office	Kotma Magazine	20 mbps
15	Meera WB	Rescue station	20 mbps
16	Central Hospital	Coal Sampling Lab	20 mbps
17	Amadand WB	AOCP Road WB	20 mbps
18	Amadand WB/ Amadand SAO	AOCP Road WB/ Amadand Excavation	20 mbps
19	J&K A.O.	Govinda Rly Siding W.B.	20 mbps
20	J&K A.O.	Govinda W.B.1	20 mbps
21	J&K A.O.	Govinda W.B.2 (Hospital)	20 mbps
22	J&K A.O.	Amadand WB 1 & 2	20 mbps
23	J&K A.O.	Amadand WB 3	20 mbps
24	J&K A.O.	Amadand WB 4	20 mbps
25	J&K A.O.	Bartarai Mines	20 mbps
26	J&K A.O.	Jamuna UG 1&2	20 mbps
27	J&K A.O.	Badra 7&8 Mine	20 mbps
28	J&K A.O.	Jamuna 9&10	20 mbps
29	J&K A.O.	Meera Mine	20 mbps
30	Anuppur	J&K Area	500 mbps
31	Nearest point	Jamuna 1/2 SAM Office	50 Mbps
32	Nearest point	Amadand Bartari UG SAM/ Bartarai Manager Office	50 Mbps
33	Nearest point	Jamuna 9/10 SOM Office	50 Mbps
34	Nearest point	Govinda W.B.2 (Hospital)	50 Mbps
35	Nearest point	Amadand WB 3	50 Mbps
36	Nearest point	Kotma Magazine	50 Mbps
Total no. of RF Links to be Hired in Jamuna &Kotma Area			36

Total no. of RF Links to be hired in Zone-5	102
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ANNEXURE-5.9 (f)**Last Mile RF Link Requirement Details****Zone-6: Tender No.: RailTel/Tender/OT/ER/HQ/2023-24/1482, dated 08.08.2023**

Hiring of Last Mile Radio Frequency links under SECL Project in Sohagpur Area.

S. No	'A' End	'B' End	Bandwidth Capacity in Mbps
A. Sohagpur Area			
1	Sohagpur A.O.	Sharda WB-1	20 mbps
2	Sohagpur A.O.	Sharda WB-2	20 mbps
3	Sohagpur A.O.	Sharda WB-3 (Dhanpuri DOCM WB-12)	20 mbps
4	Sohagpur A.O.	Regional Store	20 mbps
5	Sohagpur A.O.	Sangma Tri Junction WB	20 mbps
6	Sohagpur A.O.	Rajendra WB	20 mbps
7	Sohagpur A.O.	Khaira UG WB	20 mbps
8	Sohagpur A.O.	Damini UG WB	20 mbps
9	Sohagpur A.O.	DOCM WB-2	20 mbps
10	Sohagpur A.O.	DOCM WB-4/9 (Dhanpuri DOCM WB 11)	20 mbps
11	Sohagpur A.O.	Dhanpuri UG WB	20 mbps
12	Sohagpur A.O.	Amlai OCM Old WB(Amlai SAO)	50 mbps
13	Sohagpur A.O.	Sangma Rly Siding WB	20 mbps
14	Sohagpur A.O.	Burhar Rly Siding WB	20 mbps
15	Sohagpur A.O.	Burhar Siding WB (Road)	20 mbps
16	Sohagpur A.O.	Bangwar WB	20 mbps
17	Sohagpur A.O.	Amlai OCM New WB	20 mbps
18	Sohagpur A.O.	Anuppur Rly Stn	500 mbps
19	Sohagpur Area Office/ Bangwar SAM office	Hospital Workshop/ DOCM Magazine	20 mbps
20	Regional Store/ DOCM SAO	Rescue Office	20 mbps
21	Sohagpur A.O.	VTC Sohagpur	100 mbps
22	DOCM SAO	DOCM Stores	20 mbps
23	DOCM 11 WB	DOCM Time Office	20 mbps
24	Rajendra 11 WB	Rajendra Manager Office	20 mbps
25	Bangwar WB	Bangwar Mgr/Time Office	20 mbps
26	Regional Store/ DOCM SAO	Amlai Hospital Sanjai Nagar	20 mbps
27	Rajendra WB	Rajendra Hospital	20 mbps
28	Bangwar WB	Bangwar Hospital	20 mbps
29	Bangwar WB	Bangwar SAO	20 mbps
30	Sarda WB	Sarda SAO	20 mbps
31	Anuppur Rly. PoP	Batura Mine	20 mbps
32	Rajendra WB	Rajendra/ Karsia SAO	20 mbps
33	Khairha WB	Khairha Manager /Magzine	20 mbps

34	Damini ND	Damini Magazine	20 mbps
35	Bartura mines	Sharda WB-1	50 mbps
36	Rajendra Wb	Amlai OCM New WB	50 mbps
37	Rajendra Wb	DOCM -11	50 mbps
38	Rajendra Wb	Damini UG WB	50 mbps
Total no. of RF Links to be Hired in Sohagpur Area			38

Total no. of RF Links to be Hired in Zone-6			38
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ANNEXURE-5.9 (g)**Last Mile RF Link Requirement Details****Zone-7: Tender No.: Tender No.: RailTel/Tender/OT/ER/HQ/2023-24/1483, dated 08.08.2023**

Hiring of Last Mile Radio Frequency links for delivery under Project SECL in Johilla Area.

S. No	'A' End	'B' End	Bandwidth Capacity in Mbps
A. Johilla Area			
1	NRZB Rly. Siding	Kudari Manager Office	20 mbps
2	NRZB Rly. Siding/ Kanchan Rd WB-02	KOC Manager Office	20 mbps
3	Pali Rd WB	Pali Manager Office	20 mbps
4	Vindhya WB/ WB-02	Vindhya Manager Office	20 mbps
5	Pinoura SAO	Pinoura Manager Office	20 mbps
6	Regional Store/ Johilla AO	NRZB Sub Area	20 mbps
7	Pali Rd WB	Pali Sub Area	20 mbps
8	Piparia Rd WB	Umaria Sub Area	20 mbps
9	Regional Store	Regional Hospital	20 mbps
10	Piparia Rd WB	Pipariya Store	20 mbps
11	Piparia Rd WB	Pipariya MTK Office	20 mbps
12	NRZB Rly. Siding	Kundari MTK Office	20 mbps
13	Pinoura Sub Area/ NRZB Rd WB-1	Pinoura MTK Office/ NRZB Rly siding Office	20 mbps
14	Vindhya WB/ WB-02	Vindhya MTK Office	20 mbps
15	Pali. Rd WB/ Regional Store	Pali SAE Office/ Rescue Station	20 mbps
16	Area Office/ Regional Store	CISF Magazine Nowrazabad/ VTC	20 mbps
17	Pali Rd WB/ Johilla AO	CISF Magazine Pali	20 mbps
18	Pali Rd WB/ Road WB-01	CISF Center/ NRZB Rly Siding Laboratory	20 mbps
19	JOHILLA	REGIONAL STORE	20 mbps
20	JOHILLA	NAUROZABAD ROAD WB-1	20 mbps
21	JOHILLA	NAUROZABAD ROAD WB-2	20 mbps
22	JOHILLA	VINDHYA ROAD WB-1	20 mbps
23	JOHILLA	VINDHYA ROAD WB-2	20 mbps
24	JOHILLA	PINAURA ROAD WB	20 mbps
25	JOHILLA	KANCHAN ROAD WB 1	20 mbps
26	JOHILLA	KANCHAN ROAD WB 2	20 mbps
27	JOHILLA	UMARIYA WB	20 mbps
28	JOHILLA	PIPARIYA RAIL WB	20 mbps
29	JOHILLA	PALI WB	20 mbps
30	JOHILLA	NAUROZABAD RLY WB	20 mbps
31	Umariya Tower	Johilla AO	100 mbps
32	Nearest point	KANCHAN ROAD WB 1	50 mbps
33	Nearest point	KANCHAN ROAD WB 2	50 mbps
34	Nearest point	UMARIYA WB	50 mbps

35	Nearest point	PIPARIYA RAIL WB	50 mbps
36	Nearest point	PALI WB	50 mbps
37	Nearest point	NAUROZABAD RLY WB	50 mbps
Total no. of RF Links to be Hired in Johilla Area			37

Total no. of RF Links to be Hired in Zone-7			37
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ANNEXURE-5.10

AGREEMENT

(CA No. _____ for the work of “Hiring of Last Mile RF links including Supply Installation & Commissioning GB/RT Towers in South Eastern Coal Fields Ltd.’s Area in Chhattisgarh & Madhya Pradesh States for RailTel Corporation of India Ltd., Eastern Region”.

This AGREEMENT is made at Kolkata on this _____ day of _____ two thousand and twenty three, 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 “Hiring of Last Mile RF links including Supply Installation & Commissioning GB/RT Towers in South Eastern Coal Fields Ltd.’s Area in Chhattisgarh & Madhya Pradesh States for RailTel Corporation of India Ltd., Eastern Region”. 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 “Hiring of Last Mile RF links including Supply Installation & Commissioning GB/RT Towers in South Eastern Coal Fields Ltd.’s Area in Chhattisgarh & Madhya Pradesh States for RailTel Corporation of India Ltd., Eastern Region” 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/Smt. _____ 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/Smt. _____ 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 : Tender Paper No. _____ with corrigendum, if any.
Annexure – B : Firm's offer.
Annexure – C : Letter of Acceptance No. _____ with all enclosures.
Annexure – D : Copy of Contract Performance Guarantee.

PART – 6**Check List**

S. N.	Document	Submitted /complied or Not	Page No/ Ref No. of Offer
1	Cost of tender document or document in support for exemption of Cost of tender document (Mandatory)		
2	EMD or document in support for exemption from submission of EMD (Mandatory)		
3.	Original Power of Attorney and Notarized Affidavit Annexure-A (clause-3.4, Chapter-1) (Mandatory) (Scan copy to be uploaded with e-tender)		
4.	Tender document digitally signed (online) (Mandatory)		
5.	Documentary evidence against Technical & Financial eligibility criteria (Clause 3.2, Part-3) (Mandatory)		
6	Offer Letter (Mandatory)		
7	Compliance statement for acceptance of Technical specification & SLA Terms & Conditions Annexure 5.1 & Annexure-5.4		
8	Deviation Statement, if any, (Chapter wise and Clause wise) from Technical Specification & Tender conditions		
9	Miscellaneous/ supporting documents asked for in the tender document wherever required to meet up respective criteria		

***Note: Non-submission/ non-compliance of above documents as deliberated in check List may make the offer liable to be summarily rejected.**

**** *****END OF THE DOCUMENT *******