

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

EOI NO.: RCIL/NR RO/EOI/MKTG/DCRUST/2022-23 DATED 29-DEC 2022

Expression of Interest (EOI) from RailTel's Empanelled Business Associate Partners for Selection of Implementation Partner for exclusive PRE-PROPOSAL/BID TEAMING ARRANGEMENT for "Wi-Fi implementation in entire campus of Customer of RailTel (CoR) in State of Haryana."

Issued by:



RailTel Corporation of India Ltd

(A Mini-Ratna PSU under Ministry of Railways)

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Disclaimer

RailTel Corporation of India Ltd. (herein after called the RailTel) has prepared this Expression of Interest (EOI) document solely to assist prospective bidders in making their decision of whether bid or not to bid.

While the RailTel has taken due care in the preparation of information contained herein and believes it to be accurate, neither the RailTel or any of its Authorities or Agencies nor any of their respective officers, employees, agents or advisors give any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it. This information is not intended to be exhaustive and interested parties are required to make their own inquiries and do site visits that it may require in order to submit the EOI. The information is provided on the basis that it is non-binding on RailTel, any of its authorities or agencies or any of their respective officers, employees, agents or advisors. The RailTel reserves the right not to proceed with the bidding/EOI process at any stage without assigning any reasons thereof, or to alter the timetable reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the EOI further with any party submitting an EOI. No reimbursement of cost of any type will be paid to persons or entities submitting the EOI.

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EOI NOTICE

RailTel Corporation of India Limited, Northern Region, 6th Floor, 3rd Block,

Delhi IT Park, Shastri Park, New Delhi-110053

EOI Notice No: RCIL/NR RO/EOI/MKTG/DCRUST/2022-23 DATED 29-DEC 2022

RailTel Corporation of India Ltd., (here after referred to as “RailTel”) invites EOIs from RailTel’s Empaneled Business Associate Partners for Selection of Pre and Post Implementation Partner from RailTel Empaneled Business Associate for exclusive PRE-BID/Proposal submission to CoR related TEAMING ARRANGEMENT for “Wi-Fi implementation in entire campus of Customer of RailTel (CoR) in State of Haryana.”

The details are as under:

SCHEDULE OF EVENTS

1	Date of EOI Floating	29-DEC 2022
2	Last date for submission of Bids against EOI	05-JAN-2023 at 15:00 Hours
3	Opening of Bids received against EOI	05-JAN-2023 at 15:30 Hours
4	Number of copies to be submitted	Single Stage (Two Packet System)
5	EOI document cost inclusive tax (non-refundable)	Nil
6	EOI processing fee inclusive tax (non-refundable)	Rs. 8,500/-
7	Estimated amount of EOI	Rs. 15,94,31,787 /- (Inclusive of taxes)
8	EMD for Pre-Bid Arrangement	Token EMD for an amount of Rs. 5,00,000/- (Rs. Five Lakhs only) along with the EOI. Final EMD (to be submitted by selected bidder): 1% of total price quoted by successful L1 bidder <u>within 5 days from date of communication from RailTel for being successful L1 bidder.</u> Token EMD amount shall be adjusted accordingly.
9	Bid Submission Mode	Online on https://railtel.enivida.com

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

Initially while participating in EoI the bidder needs to submit EMD i.e., Token EMD for an amount of Rs. 5,00,000/- (Rs. Five Lakhs only) along with the EOI. EMD can be paid as under:

- **NEFT/ RTGS:** Account Name: RailTel NR Collection Account Bank Name: Union Bank of India Branch Name: Connaught Place Delhi Account Number: 307801010917906 IFSC Code: UBIN0530786 MICR Code: 110026006 or
- **Bank Guarantee:** EMD can be paid in form of Bank Guarantee in format attached as per annexure-9 issued by any scheduled commercial bank/Nationalized Bank, valid for 180 days from the date of submission of bid.
- **Demand Draft:** In favour of RailTel Corporation of India Limited payable at New Delhi.

Final EMD (to be submitted by selected bidder): 1% of total price quoted by successful L1 bidder. Token EMD amount shall be adjusted accordingly. The Total EMD has to be submitted by BA prior to teaming agreement within 5 days from date of communication from RailTel for being successful L1 bidder.

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

RailTel Bank Details for Submission of EMD /PBG: Union Bank of India, Account no. 307801010917906,IFSC Code: UBIN0530786. Demand Draft should be submitted in favour of RailTel Corporation of India Limited payable at New Delhi.

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

Contact Details for this EOI:

Level:1 Contact: Sh. Rajnish Verma, Sr. Manager/Marketing
Email: rajnish.verma@railtelindia.com Contact: +91-9717644213

Level:2 Contact: Sh. Arya Vrat Sharma Position: DGM/Marketing
Email: aryavrat@railtelindia.com Contact: +91-9717644155

Level:3 Contact: Sh. Dipu Shyam Position: GM/Marketing
Email: d.shyam1998@railtelindia.com Contact: +91-7007831841

Note:

1. The EOI response is invited from eligible Empaneled Business Associate Partners of RailTel only.
2. All the document must be submitted with proper indexing and page no.
3. This is an exclusive pre-RFP partnership arrangement with empaneled business associate of RailTel for submission of business proposal to the end customer. Selected partner's authorized signatory has to give an undertaking they will not submit directly or indirectly their bids and techno-commercial solution/association with any other Organization once selected in this EOI for pre-bid teaming arrangement (before and after submission of bid to prospective customer Organization by RailTel).
This undertaking has to be given with this EOI Response.
4. Transfer and Sub-letting: The Business Associate has no right to give, bargain, sell, assign or sublet or otherwise dispose-off the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof, except OEM.
5. Bidder has to agree to comply with all OEM technical & financial documentation including MAF, Technical certificates/others as per end-to-end requirement mentioned in the EOI.
6. Bidder also undertake to submit MAF of major items of the proposed solution and other documents required in the EOI in favour of RailTel against the proposed products. The selected BA has to provide MAF from the OEM in the name of RailTel for further submitting bid/quote to Customer of RailTel, if their proposed solution is quoted to the customer.
7. The selected bidder will have to accept all Terms & Conditions of EOI on back-to-back basis.
8. Any corrigendum(s) issued by RailTel against pertinent EOI shall be the part and scope of this EOI document on back-to-back basis.
9. No exemption/relaxation is applicable to MSME/Startups.
10. However, OEM considered by SI for this project have to mandatorily comply all the eligibility & technical criteria/compliance on back-to-back basis in line with EOI and corrigendum(s) issued thereof.
11. Payment terms under this EOI will be applicable on back-to-back basis on successful bidders. Payment shall be made after actual receipt of payment from Customer of RailTel (CoR). No advance payment irrespective of receipt by RailTel from customer will be given to successful bidder.
12. Bidder may check the price/commercial bid as per BOQ and match the same with FORMATS FOR SUBMISSION OF THE COMMERCIAL BID of EOI and if found any discrepancy, may be brought in the notice of RCIL immediately and may modify their financial bid format as per EOI financial bid document.

13. As this is a customer centric bid on back-to-back basis. The benefits of MSME shall not be applicable on this EoI & Work Order issued basis this EoI.

1. About RailTel

RailTel Corporation of India Ltd (RailTel) is one of the largest neutral telecom infrastructure providers in the country owning a Pan-India optic fibre network on exclusive Right of Way (ROW) along Railway track. The OFC network presently reaches to over 4500 towns & cities of the country including several rural areas. With its Pan India high-capacity network, RailTel is working towards creating a knowledge society at various fronts. The portfolio of services provided by RailTel includes Data Centre & DR services, Tele-presence as a service, NLD services, IP-1 services, Internet and Broadband services on a pan-India basis.

Equipped with an ISO 9001, 20000-1:2011 & 27000 certification, RailTel offers a wide gamut of managed telecom services to Indian Telecom market including Managed lease lines, Tower colocation, MPLS based IP-VPN, Internet, Data Centre services, NGN based voice carriage services to Telecom Operators, Dark fibre leasing to MSOs/LCOs. The major customer segment for RailTel comprises of Enterprises, Banks, Government Institutions/Department, Educational Institutions/Universities, Telecom Service Providers, Internet Service Providers, MSOs, etc. RailTel being a “Mini Ratna (Category-I)” PSU is steaming ahead in the enterprise segment with the launch of various services coupled with capacity augmentation in its Core network.

2. Background of EOI

RailTel Corporation of India Ltd (hereafter referred to as ‘RailTel’) an ICT arm of Indian Railways has been in the forefront of building innovative platforms and solutions and vision to build range of Information and Communication Technology (ICT) Services for its customers.

In this regard, RailTel intends to submit Techno-Commercial offer to Customer of RailTel (CoR) in State of Haryana (hereafter referred to as ‘CoR’) and accordingly seeks to select a suitable partner for pre-bid arrangement.

RailTel intends to submit Techno-Commercial offer to Customer of RailTel (CoR) For Wi-Fi implementation in entire campus of Customer of RailTel (CoR) in State of Haryana.

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

Bidder has to agree to comply with all OEM technical & financial documentation including MAF, Technical certificates/others as per end-to-end requirement mentioned in the EOI. Bidder also undertake to submit MAF of major items of the proposed solution and other documents required in the EOI in favor of RailTel against the proposed products. The selected BA has to provide MAF from the OEM in the name of RailTel for further submitting proposal to CoR, if their proposed solution is quoted to the customer.

The details of pertinent tender are as below:

RailTel invites EOIs from RailTel's Empanelled Partners for the selection of suitable partner to submit best techno commercial proposal to CoR for the complete scope of work as mentioned in the EOI. The empanelled partner is expected to have excellent execution capability and good understanding of customer local environment.

The make and model shall be clearly mentioned in the proposal. Series of makeand model will not be accepted, and bid shall be summarily rejected.

3. Scope of Work & Partner Selection

Scope of Work

The scope of work will be Wi-Fi implementation in entire campus of Customer of RailTel (CoR) in State of Haryana.

Special Note: RailTel may or may not retain some portion of the work mentioned in the EOI where RailTel has competence so that overall proposal becomes most winnable proposal.

3.1 Purpose of EOI

3.2 The intent of this EOI is to invite proposals from the prospective bidders for Wi-Fi implementation in entire campus of Customer of RailTel (CoR) in State of Haryana.

3.3 The present proposal seeks the turnkey solution for carrying out CoR needs. It is proposed to provide and maintain services with allied items for the period maintenance at locations as mentioned in EOI. Being turnkey in nature, successful bidder once awarded with the order, has to successfully commission the solution with complete satisfaction of the customer and any item explicitly mentioned or not mentioned, has to be provisioned without any further escalation of the cost to customer of

RailTel. An undertaking of end to end no escalation in financial and compliance of technical aspects related responsibility has to be given by successful bidder to RailTel. Any expense/cost escalation during commissioning and Warranty period if any required in turnkey solution commissioning will be the responsibility of the Successful bidder and same will be absorbed by successful bidder, in case customer may not pay for it to RailTel. If CoR may pay such charges then only successful teaming partner will be entitled for such amount. Any financial claim of BA partner in future for successful commissioning and during warrant period, may not be entertained without receipt of money by RailTel from customer in any circumstances.

3.4 Solution provider need to offer solution with no single point of failure in hardware and without any downtime in operations at customer premise of CoR. SLA shall be applicable on back to back basis as per the CoR's.

3.5 Bidder may submit their response in form of duly signed and stamped and submit techno-commercial bid at the E-nivida portal through Online mode, within the stipulated date and time, as mentioned in this EOI document.

3.8. Interested partners may note that this is a Single stage Two Packet Bid.

3.9. Only those bids shall be opened, which have been submitted within the stipulated time as mentioned in this EOI document.

3.10. **Stage -I : Technical Bid contains following :-**

i. Eligibility Criteria

S.No.	Type	Description	Document Required
1	Existence/ Origin	The company must be registered in India.	Certificate of Incorporation
2	General	The company must have: I.a valid PAN card. II.been registered with GST.	I.Copy of PAN Card. II.Copy of GST registration certificate.
3	Turnover	The bidder must have cumulative turnover of 150% in the previous three financial years and current financial year upto the date of inviting of EOI for the advertised value of the EOI.	Audited Balance Sheet/ CA certificate
4	Net Worth	The bidder should have positive net worth as on 31-MAR-2022.	Audited Balance Sheet/ CA certificate
5	Experience	The bidder must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: 1. One similar work of 60% of estimated value of contract. OR	Copy of Purchase/ Work Order and completion/ satisfactory performance certificate issued by client. The bidder must provide details of a personnel for verification purpose at PO/ certificate issuing organization clearly mentioning name of client,

S.No.	Type	Description	Document Required
		<p>2. Two similar works each of 40% of estimated value of contract.</p> <p>OR</p> <p>3. Three similar works each of 30% of estimated value of contract.</p> <p>Definition of similar work: Similar work means “Any work related to IT/ICT/Telecom/LAN Networking/Wi-Fi or any ICT project etc.”</p>	<p>designation, contact number and mail ID on bidder’s letter head.</p> <p>For ongoing works: Ongoing works will be considered for value of executed work (minimum 70% work executed) certified by PO issuing authority / customer mentioning completed work value on the certificate along with satisfactory completion certificate for work completed so far.</p>
6	Empanelment	All Business Associate empaneled with RailTel.	Copy of Empanelment letter and Empanelment PBG submitted, if any.
7	Technical Compliance of the Scope of Work	The Technical Compliance of the Scope of Work must be submitted. However, format may be modified by bidder as per their choice, but item must be marked with OEM Name, MAF provided or not and Data Sheet attached	Bidder has to provide complete technical compliance for scope of work as per the EOI scope of work.
8	Make and Model	Technical Compliance sheet with make and model	Bidder has to provide the make and model for each
10	Unconditional Acceptance of Scope of Work	Undertaking on letterhead duly signed and stamped by authorized signatory for unconditional Acceptance of the Scope of work and any Other/General Document of CoR Tender RFP along with all the corrigendum and addendum.	Bidder has to submit the unconditional acceptance of the scope of work as per the EOIs.
11	Unconditional acceptance of EOI terms	EOI’s unconditional acceptance on company’s letter head	Bidder has to submit the unconditional acceptance of the EOI terms.
12	POA	The bid should be duly signed and submitted by Authorised Signatory. The bidder has to submit notarized of non-judicial stamp paper of appropriate value Power of Attorney having authorised signatory’s nomination along with board resolution in favour of power of attorney	Bidder has to submit the Power of Attorney of the authorised signatory
13	Annexure - 01	EOI COVER LETTER	
14	Annexure - 02	Local Content Compliance	Bidder has to submit the local content % for the proposed solution
15	Annexure – 03	CHECKLIST OF DOCUMENTS FOR BID SUBMISSION	Bidder has to provide the filled list of checklist
16	Annexure – 04	Commercial Bid-	Un price Bid sheet to be provided with proposed OEM and make and model
17	Annexure - 05	PROFORMA FOR PERFORMANCE BANK GUARANTEE	Proforma shall be used by the L1 bidder
18	Annexure-06	Non-Disclosure Agreement	Bidder has to submit the signed

S.No.	Type	Description	Document Required
			copy of NDA along with bid
19	Annexure 07	Technical Compliance	Bidder has to submit the technical compliance along with the bid
20	Annexure 08	Pre-Bid Agreement	Bidder has to submit the acceptance of the pre-bid agreement however the final signing will be done with L1 bidder on mutual discussion.
21	Annexure 09	Integrity pact	Bidder has to submit the signed copy of integrity pact along with bidder.
22	Annexure 10	EMD BANK GUARANTEE FORMAT	Bidder has to submit the EMD Payment in the format attached If desire to submit in the form of BG.
23	Annexure – 11	AFFIDAVIT form	Bidder has to submit notarized affidavit as per the format enclosed along with the bid. If bidder has not submitted the Annexur-11, bid shall be summarily rejected.
24	EMD payment	EMD payment	Bidder has to submit the proof of EMD payment
25	EOI document cost	EOI document cost	Bidder has to submit the EOI Document fee
26	Land border sharing	Compliance to insertion of Rule 144(xi) in the GFR, 2017 vide office OM no. 6/18/2019-PPD dated 23-July-2020 issued by Ministry of Finance, Government of India, including revisions	Bidder has to submit undertaking in Organization letter head.
27	Non-Black Listing	Bidder should not be backlisted by any State / Central Government Ministry / Department / Corporation / Autonomous Body on the last date of submission of EOI	Bidder has to submit and undertaking on letterhead duly signed and stamped by authorized signatory for non-black listing.
28	No-arbitration with RailTel	There should not be any ongoing or past, arbitration case(s) between 'RailTel or Organizations under Indian Railways' and 'Interested Bidder' on the last date of submission of EOI	Bidder has to submit and undertaking on letterhead duly signed and stamped by authorized signatory for no ongoing or past, arbitration case(s) between RailTel and bidder

3.11. Prospective bidder's bid evaluation will be done based on above mentioned documents. Bids of those Bidders may be summarily rejected who submit Technical Documents without OEM Name, Make and Model, technical Compliance, and unconditional acceptance of the CoR hard Copies and this EOI.

3.12. Based on evaluation of outcome against 3.10, whoever may qualify as per 3.10 and further complying technical requirement with supporting documents of OEM MAF, datasheets, BOQ/BOM may be treated as technically qualified partner for Stage-1.

3.13. Bidders selected as per Para 3.12 above will be treated as eligible for financial bid opening.

3.14 Stage-II: Financial Bid:

- i. The Annexure 4 and 4A of EOI is for financial quote.

3.14. For the opened bid as per outcome of Clause 3.10 above, the bidder will be selected on the lowest quote (L-1) basis for complete 'Scope of Work' as mentioned in the EOI document and technical specifications as per requirement, subject to the respective overall bid is in compliance to the requirements of this EOI. The so selected partner will be termed as 'Commercially Suitable Partner (hereafter referred to as 'CSP')'. It is re-mentioned, that the final selection of CSP will be on the L-1 basis only. Further, RailTel reserves the right to have negotiation with the CSP. In case Customer of RailTel may go for further negotiation, same is applicable on back to back basis with Business Associate with due diligence by committee members.

3.15. As of now, EoI response from interested partners is invited considering that the selected partner will be responsible for delivering of complete 'Scope of Work' as mentioned in the EOI document and subsequent corrigendum if any. However, RailTel at its discretion, may take- up a certain portion / percentage of 'Scope of Work' by communicating to the CSP at any point of time during the engagement period. (The day at which 'CSP' is declared, will mark the start of engagement period. The period will be valid till final outcome of this proposal is announced by CoR. In case, RailTel comes out to be winner of the CoR tender/nomination/proposal, then the engagement period will get auto-extended to the period RailTel serves CoR for the concerned tender, unless terminated earlier by RailTel as per terms and conditions mentioned in this EoI document). In this scenario, commercial engagement with the CSP will be for that portion / percentage only, which has not been taken by RailTel. Accordingly, resultant value of work will be derived on the basis of negotiated (in case) commercial bid of the CSP.

3.16. RailTel on the basis of inputs / factors available to it from various resources, past experiences of its ICT projects and on the basis of negotiated (in case) commercial bid of the CSP, will endeavor to place best techno-commercial bid in response to the pertinent CoR's requirement. Further relationship with CSP will be based on the outcome of pertinent CoR's requirement.

3.17. If CoR may desire to take AMC after warranty period or else any other requirement in same PO to RailTel, then RailTel may or may not take same from successful partner of this EOI subject to committee members recommendations. Commercial of same are subject to negotiation and rate reasonability. Rates reasonableness will be based on OEM certifications.

4. Compliance Requirements and Eligibility Criteria for Interested Bidders

4.1. The interested bidder should be an Empaneled Partner with RailTel on the last date of bid submission of EOI & has to provide relevant documents to qualify as per Clause 3.10.i of this EOI.

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

4.3. The interested bidder should be in compliance to insertion of Rule 144(xi) in the GFR, 2017 vide office OM no. 6/18/2019-PPD dated 23-July-2020 issued by Ministry of Finance, Government of India, including revisions.

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

4.5 The bidder has to mandatorily provide all Annexures of EOI and corrigendum(s) thereof, in the name of RailTel Corporation of India Limited addressing the tender issuing authority.

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

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

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

a. Have controlling shareholders as his/her family members viz. spouse, son, daughter, father, mother or brother etc. in common or;

b. Have a relationship with each other directly or through common third parties that puts them in a position to have access to information about or influence on the bid of another interested partner.

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

4.10. The interested partner should have a valid Goods and Service Tax Identification Number (GSTIN), as on the last date of submission of EOI.

4.11. RailTel is not getting MSME/SME/Start up benefit from end customer and hence no such benefit passed to BA in any circumstances at any point of time.

4.12. In addition to above clauses, bid of interested bidder should be in compliance to terms and conditions and technical requirements of the pertinent CoR tender as referred above.

Note: The interested bidder should submit duly signed and stamped EOI cover letter as per the format mentioned at Annexure-01 of this EOI document, as unconditional submission of meeting the clauses

mentioned above, from Clause **4.1. to Clause 4.11.**

5. Proposal Preparation and Submission Cost

5.1. The interested partner is responsible for all costs incurred in connection with participation in this EOI process, including, but not limited to, cost incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by RailTel to facilitate the evaluation process or all such activities related to the bid process. RailTel will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. This EOI document does not commit to award a contract or to engage in negotiations.

6. Amendment to EOI Document

6.1. At any time prior to the deadline for submission of bids, RailTel, may, for any reason can modify the EOI document by an amendment. All the amendments made in the document would be informed by displaying on RailTel's (www.railtelindia.com) website only. The interested bidders are advised to visit the RailTel website on regular basis for checking necessary updates. RailTel also reserves the rights to amend the dates mentioned in this EOI for bid process. RailTel may, at its discretion, extend the last date for receipt of EOI response.

7. Bid Validity Period

7.1. Bid of Interested partners shall remain valid for the period of 180 days from the last date of submission of EOI, as mentioned in this EOI document.

7.2. RailTel may request for an extension of the period of validity. The validity of the 'EMD', should also be suitably extended if called upon to do so by RailTel. The request and the responses thereto shall be made in writing through e-mail communication only. Further, whenever the bid validity extension is submitted by the interested partner, it should be ensured by interested partner that their PBG related to the empanelment should have minimum validity of **90 working days** from the last date of extended bid validity period.

8. Right to Terminate the Process

8.1. RailTel may terminate the EOI process at any time without assigning any reason. RailTel makes no commitments, express or implied, that this process will result in a business transaction with anyone. This EOI does not constitute an offer by RailTel. The interested bidder's participation in this process may result in RailTel selecting the CSP to engage in further discussions and negotiations toward execution of a contract. The commencement of such negotiations does not, however, signify a commitment by RailTel to execute a contract or to continue negotiations. RailTel may terminate negotiations at any time without assigning any reason.

9. Language of Bid

9.1. The bid prepared by the interested partner and all correspondence and documents relating to the bids exchanged by the bidder and RailTel, shall be written in English Language, provided that any printed literature furnished by the Bidder in another language shall be accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Authorised Signatory of the interested partner.

10. Submission of Bid

10.1. The interested bidder should take into account any Corrigendum to this EOI document that may have been published before submitting their EOI response. The bid is to be submitted in the mode as mentioned in this EOI document. EOI response submitted in any other mode will not be entertained.

10.2. Interested bidders in their own interest are advised to submit the EOI response well in time before the last date and hence to avoid any inconvenience at the last moment.

10.3. An Organization / Interested Bidder can submit only 'One EOI Response'. Submission of multiple EOI Response by interested bidder(s) may lead to rejection of all of its bid.

11. Rights to Accept / Reject any or all EOI Response

11.1. RailTel reserves the right to accept or reject any EOI Response, and to annul the bidding process and reject all Bids at any time prior to award of the Contract, without thereby incurring any liability to the affected interested bidder(s), or any obligation to inform the affected Bidders of the ground for RailTel's action.

12. Payment Terms

12.1. Payment will be on '**back-to-back**' basis and as per the payment terms mentioned in the Scope of Work (Annexure-12). No advance will be payable to BA, if any advance received by RailTel from customer.

12.2. Payment will be released after receiving the invoice for the work / services and after RailTel has received the payment from CoR for the same work / services. Any deduction / Penalties levied by CoR on invoices of RailTel will be carried **back-to-back** and will be deducted from CSP's invoices, subject to the cause to deduction / penalty is due to deviation in terms and conditions of service standards by the CSP.

12.3. Payment Schedule*:

- On Delivery: 70% of the cost of the item supplied
- On installation: 20% of the cost of the item supplied on installation of solution
- Final Commissioning: 10% of the cost of the item supplied and 100% of the installation

cost.

* This is tentative payment schedule which may change during negotiation with the Customer of RailTel which shall be applicable on back to back basis with the L1 bidders. If customer may agreed upon the partial supply acceptance or any other mode, then same will also be remain applicable on back to back basis and supersede any payment terms in this EOI.

12.4. Documents list required at the time of payment/invoice submission by selected bidder shall be: -

- i PO copy issued to selected vendor.
- ii Payment Proof that the end customer has paid to RailTel for the period claimed by selected bidder/vendor against invoices raised by RailTel for such services.
- iii Submission/Declaration of applicable BG amount against PO issued to selected bidder/vendor.
- iv Original Invoice for the period claimed.
- v TDS declaration.
- vi GST submission by Bidder to RailTel.
- vi Photocopy of all documents submitted by RailTel along with their invoice to customer.

13. Performance Bank Guarantee (PBG)

13.1. In case of successful participation by RailTel in the pertinent CoR's requirement and subsequent engagements with CSP, The CSP shall at its own expense, deposit with department, within fifteen (15) working days of the notification of award (done through issuance of the Purchase Order / Work Order etc.) and communicated through email, an unconditional and irrevocable Performance Bank Guarantee (PBG) from a a Nationalized/ Commercial Scheduled Indian Bank as per the format enclosed in this EOI, payable on demand, for the due performance and fulfilment of the contract by the CSP. This PBG will be for an amount of '3 (%)' of the contract value. The quantum of this 'percentage (%)' will be equal to the PBG % as asked by CoR from RailTel. All charges whatsoever such as premium, commission, etc. with respect to the PBG shall be borne by the CSP. Besides, if the total BG amount comes upto ₹05 Lakhs, then same may be deposited through DD/RTGS/NEFT. Along with submission of PBG, CSP needs to submit PBG issuing bank's SFMS report. The SFMS report is also to be submitted in case of renewal / extension of PBG.

13.2. The PBG should have validity for a period of 3 months beyond the contract period including installation timeline. The PBG may be discharged / returned by RailTel upon being satisfied that there has been due performance of the obligations of the CSP under the contract. However, no interest shall be payable on the PBG. In the event, CSP being unable to service the contract for whatsoever reason, RailTel would invoke the PBG at its discern. Notwithstanding and without prejudice to any rights whatsoever of RailTel under the contract in the matter, the proceeds of the PBG shall be payable to RailTel as compensation for any loss resulting from the CSP's failure to complete its obligations under the contract. RailTel shall notify the

CSP in writing of the exercise of its right to receive such compensation within 14 days, indicating the contractual obligation(s) for which the CSP is in default.

13.3. RailTel shall also be entitled to make recoveries from the CSP's bills, PBG or from any other amount due to him, the equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.

13.4. If the service period gets extended by virtue of extension of same by CoR, PBG should also be extended accordingly.

13.5. During the contract period, RailTel may issue Purchase Order(s) for the additional services ordered by CoR (in case) to RailTel. In such scenario(s) also, Clause No. 13.1. to Clause No. 13.4. are to be followed by the CSP.

13.6 In case the CoR has sought PBG of the contract in the terms of Indemnity Bond from RailTel, the selected bidder has to provide the equivalent value PBG from scheduled Bank to RailTel. No Indemnity Bond from Selected Bidder will be accepted in lieu of PBG from Scheduled Bank.

13.7. In case CoR has sought any other types of PBG in this contract at present or in future or else Integrity Pact PBG (presently or in future), same remain applicable on selected Bidder. The Said PBG will be issued by Selected Bidder from Scheduled Bank favoring RailTel Corporation of India Limited. No Indemnity Bond in lieu of such PBG will be accepted by RailTel.

13.8 If, **CoR ask for submission for value more than 03%, same also needs to be submitted by the selected BA.**

14. Details of Commercial Bid / Financial Bid

14.1. Interested partner should submit commercial bid strictly as per the format mentioned by CoR in the pertinent tender document or subsequent corrigendum (if any).

14.2. The commercial bid should clearly bring out the cost of the services with detailed break-up of taxes.

14.3. The rates mentioned in the commercial bid of the CSP will form basis of commercial transaction between RailTel and bidder.

14.4. The quantity of 'Line Items' may vary at the time of placing of Purchase Order ordering the Contract Period, as communicated by CoR (in case) to RailTel. In such scenarios, the 'Per Unit' cost will be considered to arrive on contractual amount between RailTel and CSP.

14.5. It is also possible that CoR may surrender / increase, some or all of the quantities of service items ordered to RailTel during the contract period and accordingly the contractual amount between RailTel and

CSP shall be considered, at sole discern of RailTel.

14.6. It is also possible that during the contract period, CoR may raise Purchase Order to RailTel for the line items (and respective quantities) which are not mentioned in the pertinent tender of CoR. In such scenario, RailTel at its sole discretion, may extend the scope of the contract with CSP by placing order to CoR, **on back-to-back basis.**

14.7. In addition to the Payment Terms, all other Contractual Terms will also be on '**back-to-back**' basis between RailTel and CSP, as mentioned in the pertinent CoR's tender. MAF (Manufacturer's Authorization Form) in the name of RailTel from the OEMs, whose product is mentioned in commercial bid format, should also be ensured by the partner. The MAF format and required content should be in-line with CoR's tender, if specifically asked by CoR in a particular format.

15. Duration of the Contract Period and Completion Period

15.1 Time is the essence of the contract. The entire work under the tender shall be completed within 03 months or By 31st March 2023 and earliest or on back to back basis whichever is accepted by CoR, from the date of issue of Advance Purchase Order/ acceptance letter. Item/location wise priority for the work to be executed by the contractor may be finalized in consultation with the Customer of RailTel. The respective milestones for achieving various targets shall be maintained by the contractor.

The Contract duration shall be same as of CoR's contract duration with RailTel until otherwise terminated earlier. Contract duration for the project shall be 3 year and subject to successful participation of RailTel in the pertinent CoR's tender. The contract duration can be renewed /extended by RailTel at its discern, in case CoR extends / renews services with RailTel by virtue of extending / renewing / new issuance of one or more Purchase Order(s) placed by CoR to RailTel.

16. Restrictions on 'Transfer of Agreement'

16.1. The CSP shall not assign or transfer its right in any manner whatsoever under the contract / agreement to a third party or enter into any agreement for sub-contracting and/or partnership relating to any subject matter of the contract / agreement to any third party either in whole or in any part i.e., no sub-contracting / partnership / third party interest shall be created.

17. Suspension, Revocation or Termination of Contract / Agreement

17.1. RailTel reserves the right to suspend the operation of the contract / agreement, at any time, due to change in its own license conditions or upon directions from the competent government authorities, in such a situation, RailTel shall not be responsible for any damage or loss caused or arisen out of aforesaid action. Further, the suspension of the contract / agreement will not be a cause or ground for extension of the period of the contract / agreement and suspension period will be taken as period spent. During this period, no charges

for the use of the facility of the CSP shall be payable by RailTel.

17.2. RailTel may, without prejudice to any other remedy available for the breach of any conditions of agreements, by a written notice of Three (03) month or as per CoR tender condition whichever is earlier issued to the CSP, terminate/or suspend the contract /agreement under any of the following circumstances:

- a) The CSP failing to perform any obligation(s) under the contract / agreement.
- b) The CSP failing to rectify, within the time prescribed, any defect as may be pointed out by RailTel.
- c) Non adherence to Service Level Agreements (SLA) which RailTel has committed to CoR for the pertinent tender.
- d) The CSP going into liquidation or ordered to be wound up by competent authority.
- e) If the CSP is wound up or goes into liquidation, it shall immediately (and not more than a week) inform about occurrence of such event to RailTel in writing. In that case, the written notice can be modified by RailTel as deemed fit under the circumstances. RailTel may either decide to issue a termination notice or to continue the agreement by suitably modifying the conditions, as deemed fit under the circumstances.
- f) It shall be the responsibility of the CSP to maintain the agreed Quality of Service, even during the period when the notice for surrender/termination of contract / agreement is pending and if the Quality of Performance of Solution is not maintained, during the said notice period, it shall be treated as material breach liable for termination at risk and consequent of which CSP's PBG related to contract / agreement along with PBG related to the Empanelment Agreement with RailTel shall be forfeited, without any further notice.
- g) Breach of non-fulfillment of contract / agreement conditions may come to the notice of RailTel through complaints or as a result of the regular monitoring. Wherever considered appropriate RailTel may conduct an inquiry either Suo- moto or on complaint to determine whether there has been any breach in compliance of the terms and conditions of the agreement by the successful bidder or not. The CSP shall extend all reasonable facilities and shall endeavor to remove the hindrance of every type upon such inquiry. In case of default by the CSP in successful implementation and thereafter maintenance of services / works as per the conditions mentioned in this EOI document, the PBG(s) of CSP available with RailTel can be forfeited.

18. Dispute Settlement

18.1. In case of any dispute concerning the contract / agreement, both the CSP and RailTel shall try to settle the same amicably through mutual discussion / negotiations. Any unsettled dispute shall be settled in terms of Indian Act of Arbitration and Conciliation 1996 or any amendment thereof. Place of Arbitration shall

be New Delhi.

18.2. The arbitral tribunal shall consist of the Sole Arbitrator. The arbitrator shall be appointed by the Chairman & Managing Director (CMD) of RailTel Corporation of India Ltd.

18.3. All arbitration proceedings shall be conducted in English.

19. Governing Laws

19.1. The contract shall be interpreted in accordance with the laws of India. The courts at New Delhi shall have exclusive jurisdiction to entertain and try all matters arising out of this contract.

20. Statutory Compliance

20.1. During the tenure of this Contract nothing shall be done by CSP in contravention of any law, act and/ or rules/regulations, there under or any amendment thereof and shall keep RailTel indemnified in this regard.

20.2. The Bidder shall comply and ensure strict compliance by his/her employees and agents of all applicable Central, State, Municipal and Local laws and Regulations and undertake to indemnify RailTel, from and against all levies, damages, penalties and payments whatsoever as may be imposed by reason of any breach or violation of any law, rule, including but not limited to the claims against RailTel or its Customer under Employees Compensation Act, 1923, The Employees Provident Fund and Miscellaneous Provisions Act, 1952, The Contract Labour (Abolition and Regulation) Act 1970, Factories Act, 1948, Minimum Wages Act and Regulations, Shop and Establishment Act and Labour Laws which would be amended/modified or any new act if it comes in force whatsoever, and all actions claim and demand arising therefrom and/or related thereto.

21. Intellectual Property Rights

21.1. Each party i.e., RailTel and CSP, acknowledges and agree that the other party retains exclusive ownership and rights in its trade secrets, inventions, copyrights, and other intellectual property and any hardware provided by such party in relation to this contract / agreement.

21.2. Neither party shall remove or misuse or modify any copyright, trade mark or any other proprietary right of the other party which is known by virtue of this EoI and subsequent contract in any circumstances.

22. Severability

22.1. In the event any provision of this EOI and subsequent contract with CSP is held invalid or not enforceable by a court of competent jurisdiction, such provision shall be considered separately and such determination shall not invalidate the other provisions of the contract and Annexure/s which will be in full force and effect.

23. Force Majeure

23.1. If during the contract period, the performance in whole or in part, by other party, of any obligation under this is prevented or delayed by reason beyond the control of the parties including war, hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, epidemic, quarantine restriction, strikes and lockouts (as are not limited to the establishments and facilities of the parties), fire, floods, earthquakes, natural calamities or any act of GOD (hereinafter referred to as EVENT), provided notice of happenings of any such event is given by the affected party to the other, within twenty one (21) days from the date of occurrence thereof, neither party shall have any such claims for damages against the other, in respect of such non-performance or delay in performance. Provided service under this contract shall be resumed as soon as practicable, after such EVENT comes to an end or ceases to exist.

23.2. In the event of a Force Majeure, the affected party will be excused from performance during the existence of the force Majeure. When a Force Majeure occurs, the affected party after notifying the other party will attempt to mitigate the effect of the Force Majeure as much as possible. If such delaying cause shall continue for more than sixty (60) days from the date of the notice stated above, the party injured by the inability of the other to perform shall have the right, upon written notice of thirty (30) days to the other party, to terminate this contract. Neither party shall be liable for any breach, claims, and damages against the other, in respect of non-performance or delay in performance as a result of Force Majeure leading to such termination.

24. Indemnity

24.1. The CSP agrees to indemnify and hold harmless RailTel, its officers, employees and agents (each an "Indemnified Party") promptly upon demand at any time and from time to time, from and against any and all losses, claims, damages, liabilities, costs (including reasonable attorney's fees and disbursements) and expenses (collectively, "Losses") to which the Indemnified party may become subject, in so far as such losses directly arise out of, in any way relate to, or result from:

- a) Any mis-statement or any breach of any representation or warranty made by CSP or
- b) The failure by the CSP to fulfill any covenant or condition contained in this contract by any employee or agent of the Bidder. Against all losses or damages arising from claims by third Parties that any Deliverables (or the access, use or other rights thereto), created by CSP pursuant to this contract, or any equipment, software, information, methods of operation or other intellectual property created by CSP pursuant to this contract, or the SLAs (i) infringes a copyright, trade mark, trade design enforceable in India, (ii) infringes a patent issued in India, or (iii) constitutes misappropriation or unlawful disclosure or use of another Party's trade secrets under the laws of India (collectively, "Infringement Claims"); or
- c) Any compensation / claim or proceeding by any third party against RailTel arising out of any act, deed or omission by the CSP or

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

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

25. Limitation of Liability towards RailTel

25.1. The CSP liability under the contract shall be determined as per the Law in force for the time being. The CSP shall be liable to RailTel for loss or damage occurred or caused or likely to occur on account of any act of omission on the part of the CSP and its employees (direct or indirect), including loss caused to RailTel on account of defect in goods or deficiency in services on the part of CSP or his agents or any person / persons claiming through under said CSP, However, such liability of the CSP shall not exceed the total value of the contract.

25.2. This limit shall not apply to damages for bodily injury (including death) and damage to real estate property and tangible personal property for which the CSP is legally liable.

26. Confidentiality cum Non-disclosure

26.1. The Receiving Party agrees that it will not disclose to third party/parties any information belonging to the Disclosing Party which is provided to it by the Disclosing Party before, during and after the execution of this contract. All such information belonging to the Disclosing Party and provided to the Receiving Party shall be considered Confidential Information. Confidential Information includes prices, quotations, negotiated issues made before the execution of the contract, design and other related information. All information provided by Disclosing Party to the Receiving Party shall be considered confidential even if it is not conspicuously marked as confidential.

26.2. Notwithstanding the foregoing, neither Party shall have any obligations regarding non-use or non-disclosure of any confidential information which:

- a) Is already known to the receiving Party at the time of disclosure;
- b) Is or becomes part of the public domain without violation of the terms hereof;
- c) Is shown by conclusive documentary evidence to have been developed independently by the Receiving Party without violation of the terms hereof;
- d) Is received from a third party without similar restrictions and without violation of this or a similar contract.

26.3. The terms and conditions of this contract, and all annexes, attachments and amendments hereto and thereto shall be considered Confidential Information. No news release, public announcement, advertisement or publicity concerning this contract and/or its contents herein shall be made by either Party without the prior written approval of the other Party unless such disclosure or public announcement is required by applicable law's

26.4. Notwithstanding the above, information may be transmitted to governmental, judicial, regulatory authorities, if so, required by law. In such an event, the Disclosing Party shall inform the other party about the same within 30 (thirty) Days of such disclosure.

26.5. This Confidentiality and Non- Disclosure clause shall survive even after the expiry or termination of this contract.

27. Assignment

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

28. Insurance

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

29. Exit Management

29.1. Exit Management Purpose

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

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

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

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

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

Note: RailTel at its sole discern may not enforce any or all clauses / sub-clauses under the 'Exit Management' clause due to administrative convenience or any other reasons as deemed fit.

30. Changes in Contract Agreement, Variation in Quantity and Shramik Kalyan Portal

30.1. No modification of the terms and conditions of the Contract Agreement shall be made except by written amendments signed by the both CSP and RailTel.

30.2. **Variation in Quantity:** Variation shall be applicable as per the requirement of Customer of RailTel

30.3. **Updation of Labour data on Railway's Shramik kalyan Portal-** All terms & conditions are applicable same as per CoR tender.

30.4. All terms and conditions shall be applicable on back to back basis as per the final acceptance/negotiation with the customer of RailTel.

31. Liquidated Damage (LD):

31.1 The RailTel may deduct from the BA/SI, as agreed, liquidated damages at the rate of 0.5% per week/part thereof, of basic cost (excluding taxes and duties on final product) of the delayed stores which the seller has failed to deliver within the period agreed for delivery in the contract subject to maximum of 10% of the total order value (excluding taxes and duties on final product). In cases where partial delivery does not help in achieving the objective of the contract, LD shall also be levied on the total cost (excluding taxes and duties on final product) of the ordered quantity delivered by the BA/SI. This will also include the store(s) supplied within the delivery period. LD shall be deducted on back-to-back basis as deducted by the customer of RailTel. RailTel's standard terms and conditions or On back to back basis as approved by customer whichever is higher.

32. Waiver

32.1. Except as otherwise specifically provided in the contract, no failure to exercise or delay in exercising, any right, power or privilege set forth in the contract will operate as a waiver of any right, power or privilege.

EOI COVER LETTER
(On Organization Letter Head)

EoI Ref No.:

Date:

To,
General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

Dear Sir/Madam,

1. I, the undersigned, on behalf of M/s, having carefully examined the referred EOI offer to participate in the same, in full conformity with the said EOI and all the terms and conditions thereof including corrigendum issued till last date of submission of EOI. It is also undertaken and submitted that we are in abidance of Clause 4 (from Clause 4.1 to Clause 4.11) of EOI.
2. I agree to abide by this Proposal, consisting of this letter, our Pre-qualification, Technical and Commercial Proposals, for a period of 180 days from the date fixed for submission of Proposals as stipulated in the EOI and modifications resulting from contract negotiations, and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.
3. I acknowledge that the Authority will be relying on the information provided in the Proposal and the documents accompanying the Proposal for selection of the Commercially Suitable Partner (CSP) for the aforesaid Service, and we certify that all information provided therein is true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying the Proposal are true copies of their respective originals.
4. I undertake, if our Bid is accepted, to commence our services as per scope of work as specified in the contract document.
5. Until a formal Purchase Order or Contract is prepared and executed, this Bid and supplement / additional documents submitted (if any), together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.

6. I hereby undertake and give unconditional acceptance for compliance of all terms & conditions against this EOI based on customer's requirement.
7. I hereby undertake that there will be no deviation from the Terms and Conditions of EOI.

Signature of Authorised SignatoryName

Designation

Local Content Compliance
(On Organization Letter Head)

EoI Ref No.:

Date:

To,

General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

s

Dear Sir/Ma'am,

I, the undersigned, on behalf of M/s, hereby submits that our technical solution for the 'Scope of Work' mentioned under the EoI document is in compliance of local content requirement and makes us equivalent to 'Class-I local supplier' / 'Class-II local supplier' (mention whichever is applicable) for the EoI under reference, as defined under the order No. P-45021/2/2017-PP(BE-II) dt. 04-June-2020 issued by Ministry of Commerce and Industry, Govt. of India.

I hereby certify that M/s fulfills all requirements in this regard and is eligible to be considered and for the submitted bid Local Content Percentage is % (write in figures as well as in words).

I hereby acknowledge that in the event of acceptance of bid of M/s on above certificate and if the certificate is found to be false at any stage, the false certificate would be a ground for immediate termination of contract and further legal action in accordance with the Law, including but not limited to the encashment of Bank Guarantee related to Empanelment and Performance Bank Guarantee (PBG), as available with RailTel, related to this EoI.

Signature of Authorised Signatory

Name Designation

CHECKLIST OF DOCUMENTS FOR BID SUBMISSION

S.No.	Type	Description	Page No.
1	Existence/ Origin	The company must be registered in India.	
2	General	The company must have: III. a valid PAN card. IV. been registered with GST.	
3	Turnover	The bidder must have cumulative turnover of 150% in the previous three financial years and current financial year upto the date of inviting of EOI for the advertised value of the EOI.	
4	Net Worth	The bidder should have positive net worth as on 31-MAR-2022.	
5	Experience	<p>The bidder must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:</p> <p>4. One similar work of 60% of estimated value of contract. OR 5. Two similar works each of 40% of estimated value of contract. OR 6. Three similar works each of 30% of estimated value of contract.</p> <p>Definition of similar work: Similar work means “Any work related to IT/ICT/Telecom/LAN Networking/Wi-Fi or any ICT project etc.</p>	
6	Empanelment	All Business Associate empaneled with RailTel.	
7	Technical Compliance of the Scope of Work	The Technical Compliance of the Scope of Work must be submitted. However, format may be modified by bidder as per their choice, but item must be marked with OEM Name, MAF provided or not and Data Sheet attached	
8	Make and Model	Technical Compliance sheet with make and model	
10	Unconditional Acceptance of	Undertaking on letterhead duly signed and stamped by authorised signatory for unconditional Acceptance of the Scope of work and any Other/General Document of CoR	

S.No.	Type	Description	Page No.
		Tender RFP along with all the corrigendum and addendum.	
11	Unconditional acceptance of EOI terms	EOI's unconditional acceptance on company's letter head	
12	POA	The bid should be duly signed and submitted by Authorised Signatory. The bidder has to submit notarized of non-judicial stamp paper of appropriate value Power of Attorney having authorised signatory's nomination along with board resolution in favour of power of attorney	
13	Annexure - 01	EOI COVER LETTER	
14	Annexure - 02	Local Content Compliance	
15	Annexure – 03	CHECKLIST OF DOCUMENTS FOR BID SUBMISSION	
16	Annexure – 04	Commercial Bid-	
17	Annexure - 05	PROFORMA FOR PERFORMANCE BANK GUARANTEE	
18	Annexure-06	Non-Disclosure Agreement	
19	Annexure 07	Technical Compliance	
20	Annexure 08	Pre-Bid Agreement	
21	Annexure 09	Integrity pact	
22	Annexure 10	EMD BANK GUARANTEE FORMAT	
23	Annexure – 11	AFFIDAVIT form	
24	EMD payment	EMD payment	
25	EOI document cost	EOI document cost	
26	Land border sharing	Compliance to insertion of Rule 144(xi) in the GFR, 2017 vide office OM no. 6/18/2019-PPD dated 23-July-2020 issued by Ministry of Finance, Government of India, including revisions	
27	Non- Black Listing	Bidder should not be backlisted by any State / Central Government Ministry / Department / Corporation / Autonomous Body on the last date of submission of EOI	
28	No- arbitration with RailTel	There should not be any ongoing or past, arbitration case(s) between 'RailTel or Organizations under Indian Railways' and 'Interested Bidder' on the last date of submission of EOI	

Note:

1. The technical bid should have a 'Index' at the starting and all pages of bid should be Serially numbered and should be traceable as per the 'Index'.

2. All the submitted documents should be duly stamped and signed by the Authorized Signatory at each page.
3. The above checklist is indicative only. RailTel may ask for additional documents from the bidders, as per the requirement.

Annexure 4

Commercial Bid
(On Organization Letter Head)
TO BE UPLOADED AS BOQ SHEET

EoI Ref No.:

Date:

To,

General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

S.No	Item	Quantity	Estimated Cost (In Rs.)
A	B	C	d
1	Wi-Fi implementation in entire campus of Customer of RailTel (CoR) in State of Haryana.	(As per the SOR - Annexure-4A)	Rs. 15,94,31,787
Total Estimated Cost :		Rs. 15,94,31,787/-	
Amount in Words: Rupees Fifteen Crore Ninety Four Lakh Thirty One Thousand Seven Hundred Eighty Seven Only.			

Tenderer's offer: "I/We hereby offer to do the work at following rates.

In Figures	% Above/Below/At par the Schedule of rates
In Word	% Above/Below/At par the Schedule of rates

Note: - Above quoted rates are including all type of applicable taxes.

In case above/below/at par is not mentioned, it would be considered below.

The unit rate shall be derived with the quoted % by the bidder on each SOR items.

The price quoted in the composite SOR (commercial Bid) will be uniformly distributed in SOR items.

Signature of the Tenderer

Annexure-4A

Total Estimate (Incl. of Taxes) for Wi-Fi implementation in entire campus of Customer of RailTel in the state of HARYANA	
Schedule	L1 Bidder Rate
A	11,51,37,974.25
B	2,63,76,073.45
C	1,20,02,313.36
D	56,95,866.20
E	2,19,560.00
Grand Total	15,94,31,787
Amount in Words	Rupees Fifteen Crore Ninety Four Lakh Thirty One Thousand Seven Hundred Eighty Seven Only

Bill of Material

Switching & Wi-Fi				
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S. NO.	Descriptions	Quantity	UOM	Unit Price (INR)	Govt Levies	Total Price (INR)
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					Customs and Freight	GST	
1	SITC of Core Switch in HA mode (with 2 nos. of 100G DAC/Stack cable) with fully complied based on technical specifications.	1	Nos.	16,46,676.73	4,11,669.18	3,70,502.26	24,28,848.18
2	SITC for upgradation of Existing core switch with suitable Line cards and software update fully complied based on technical specifications	1	Nos.	16,46,676.73	4,11,669.18	3,70,502.26	24,28,848.18
3	SITC of Distribution switch with fully complied based on technical specifications.	10	Nos.	3,82,528.41	95,632.10	86,068.89	56,42,294.05
4	SITC for upgradation of Existing distribution switch with suitable Line cards and software update fully complied based on technical specifications	3	Nos.	3,82,528.41	95,632.10	86,068.89	16,92,688.21
5	SITC of 24 Port POE+ Advance Layer 2/3 Access Switch with fully complied based on technical specifications.	65	Nos.	2,06,769.22	51,692.31	46,523.07	1,98,23,998.97
6	SITC for upgradation of Existing (Working) edge swithes with suitable updates and SFP's fully complied based on technical specifications	67	Nos.	2,06,769.22	51,692.31	46,523.07	2,04,33,968.17
7	SITC of Indoor Access points with fully complied based on technical specifications.	600	Nos.	44,979.34	11,244.84	10,120.35	3,98,06,715.90
8	SITC of Outdoor Access points with fully complied based on technical specifications.	60	Nos.	71,228.23	17,807.06	16,026.35	63,03,698.36
9	SITC of On-prem Hardware controller VM/Appliance Based in HA Mode with fully complied based on technical specifications. (Cloud Controller not be considered.)	1	Nos.	27,08,464.48	-	4,87,523.61	31,95,988.09
10	SITC of existing On-prem Hardware controller in HA Mode with fully complied based on technical specifications. (Cloud Controller not be considered.)	1	Nos.	27,08,464.48	-	4,87,523.61	31,95,988.09
11	SITC of Network Monitoring System and Fabric Orchestration Tool with fully complied based on technical specifications.	1	Nos.	15,03,758.70	-	2,70,676.57	17,74,435.27
12	SITC of AAA/NAC in HA with fully complied based on technical specifications.	2	Nos.	13,83,376.80	-	2,49,007.82	32,64,769.25
13	SITC of 10 G SFP+ module, 1310nm, LR 10km link, LC connector	316	Nos.	9,938.40	2,484.60	2,236.14	46,32,288.24
14	SITC of 1M 10G DAC/Stack cable for access switches	48	Nos.	4,331.89	1,082.97	974.68	3,06,697.81
15	SITC of 1G Copper Modules RJ45	20	Nos.	7,008.39	1,752.10	1,576.89	2,06,747.51
Grand Total (A)							11,51,37,974.25

Bill of Material						
Schedule-'B'						
PASSIVE						
Sr. No.	Description	Quantity	UOM	Tax %	Unit Price (INR)	Total Price (INR)
Active Data						
1	Cat6 UTP Cable Box	187	Box	18%	12,099.27	26,69,825.36
2	Cat6 UTP Cable Box Outdoor	69	Box	18%	26,116.56	21,26,410.32
3	Cat 6, 24 Port Jack Panel Unloaded	73	Nos.	18%	1,750.46	1,50,784.97
4	Cat6 Information Outlet Rack End	652	Nos.	18%	233.40	1,79,564.93
5	2 Port 3*3, Square faceplate 2 port	652	Nos.	18%	80.23	61,725.45
6	Cat6 RJ 45 to RJ 45 Patch Cord 7ft Rack End	652	Nos.	18%	262.57	2,02,010.55
7	CCA Plug	652	Nos.	18%	671.01	5,16,249.18
Sr. No.	Description	Quantity	UOM	Tax %	Unit Price (INR)	Total Price (INR)
Redundant Link						
1	Cat6 UTP Cable Box	187	BoX	18%	12,099.27	26,69,825.36
2	Cat6 UTP Cable Box Outdoor	69	BoX	18%	23,412.46	19,06,242.17
3	Cat6 Information Outlet Rack End	654	Nos.	18%	233.40	1,80,115.74
4	CCA Plug	654	Nos.	18%	671.01	5,17,832.76
Sr. No.	Description	Quantity	UOM	Tax %	Unit Price (INR)	Total Price (INR)
Fiber Components						
1	6 core SM Optical Fiber Cable	6800	Mtrs.	18%	83.15	6,67,171.85
2	12 Port LC Style Fiber LIU Loaded Single Mode	42	Nos.	18%	23,569.92	11,68,125.24
3	24 Port Fiber LIU Loaded	4	Nos.	18%	24,652.37	1,16,359.18
4	LC-LC, SM Patch Cord, 10 Feet 9/125	104	Nos.	18%	1,458.72	1,79,014.12
Sr. No.	Description	Quantity	UOM	Tax %	Unit Price (INR)	Total Price (INR)
Rack Components						
1	18U Closed Rack with standard Accessories	60	Nos.	18%	32,416.00	22,95,052.80
2	1U Horizontal Cable Manager	120	Nos.	18%	5,368.90	7,60,236.24
3	Hardware Pkt. For Open Frame Rack	300	Pkt	18%	1,215.60	4,30,322.40
4	42U Closed Rack with standard Accessories	1	Nos.	18%	88,131.00	1,03,994.58
5	1U Horizontal Cable Manager	2	Nos.	18%	5,368.90	12,670.60
6	Hardware Pkt. For Open Frame Rack	5	Pkt	18%	1,215.60	7,172.04
7	24U Closed Rack with standard Accessories	13	Nos.	18%	47,611.00	7,30,352.74
8	1U Horizontal Cable Manager	26	Nos.	18%	5,368.90	1,64,717.85
9	Hardware Pkt. For Open Frame Rack	65	Pkt	18%	1,215.60	93,236.52
Sr. No.	Description	Quantity	UOM	Tax %	Unit Price (INR)	Total Price (INR)
Misc. Items						
1	200 MMCable Tie	124	Pkt	18%	218	31,897.76
2	Veltro Tie (50 Mtrs Roll)	13	Pkt	18%	3525	54,073.50
3	Tube Ferrule	2612	Nos.	18%	14	43,150.24
4	Patch cord Labels	2612	Nos.	18%	14	43,150.24
5	25MM PVC Conduit/Pipe	42380	Nos.	18%	54	27,00,453.60
6	25MM PVC Flexible	2134	Mtrs	18%	18	45,326.16
7	32MM HDPE Pipe	6800	Mtrs	18%	78	6,25,872.00
8	25 MM PVC Shaddle	84760	Nos.	18%	12	12,00,201.60
9	32/8 Screw	169520	Nos.	18%	7	14,00,235.20
10	Sleeve 50MM	169520	Nos.	18%	7	14,00,235.20
11	Poles for Outdoor Wifi 4 Mtrs.	59	Nos.	18%	13250	9,22,465.00
Grand Total (B)						2,63,76,073.45

Bill of Material

Schedule-'C'

Services

Sr. No.	Description	Quantity	UOM	Tax %	Unit Price (INR)	Total Price (INR)
1	Cat6 Cable Laying	114070	Mtrs	18%	7.00	9,42,218.20
2	Cat6 Cable Laying Outdoor	42090	Mtrs	18%	10.00	4,96,662.00
3	Testing and Ferruling	2612	Nos.	18%	35.00	1,07,875.60
4	Termination of information outlet at User End	1306	Nodes	18%	135.00	2,08,045.80
5	Termination of Information Outlet at Jack Panel	1306	Nos.	18%	132.00	2,03,422.56
6	Laying of Fiber Cable	6800	Mtrs	18%	60.00	4,81,440.00
7	Splicing of Fiber Core	600	Core	18%	385.00	2,72,580.00
8	Patch Cord Labeling and Dressing	2612	Nos.	18%	46.00	1,41,779.36
9	Fluke Testing of Copper Points	1306	Nodes	18%	98.00	1,51,025.84
10	Fluke Testing of Fiber Core	600	Core	18%	165.00	1,16,820.00
11	Installation of Rack	25	Nos.	18%	4,250.00	1,25,375.00
12	Installation of CCA Plug	1306	Nos.	18%	230.00	3,54,448.40
13	25MM PVC Conduit/Pipe	42380	Mtrs	18%	44.00	22,00,369.60
14	32MM HDPE Pipe	6800	Mtrs	18%	51.00	4,09,224.00
15	Installation of Poles	59	Nos.	18%	15,350.00	10,68,667.00
16	Digging Charges	6800	Mtrs	18%	515.00	41,32,360.00
17	Project Management	1	Job	18%	500000	5,90,000.00
Grand Total (C)						1,20,02,313.36

Bill of Material						
Schedule-'D'						
UPS						
Sr. No.	Description	Total	UOM	Tax %	Unit Price (INR)	Total Price (INR)
1	Rack mount UPS 1 KVA/900W with inbuilt 4A Charger applicable with 2 U configuration with railkit	60	Nos.	18%	29,050.00	20,56,740.00
2	42 AH with Interlink	120	Nos.	28%	11,900.00	18,27,840.00
3	Rack mount UPS 2 KVA/1.8KW with inbuilt 4A Charger applicable with 2 U configuration with railkit	13	Nos.	18%	43,538.00	6,67,872.92
4	42 AH with Interlink	52	Nos.	28%	11,900.00	7,92,064.00
5	Rack mount UPS 5 KVA with inbuilt 4A Charger applicable with 2 U configuration with railkit	1	Nos.	18%	75,320.00	88,877.60
6	26 AH with Interlink	16	Nos.	28%	12,816.00	2,62,471.68
Grand Total (D)						56,95,866.20

Bill of Material					
Schedule-'E'					
Air Conditioner					
Sr. No.	Description	Quantity	UOM	Unit Price (Incl. of Taxes)	Total Price (Incl. of Taxes)
1	Air Conditioner 1.5 Ton	4	Nos.	51990	2,07,960
2	AC Auto Change Over Switch/Timer	2	Nos.	5800	11,600
	Total (E)				2,19,560

PROFORMA FOR PERFORMANCE BANK GUARANTEE

(On Stamp Paper of ₹ One Hundred)

To,
General Manager (Mktg),
RailTel Corporation of India Limited, Northern Region,
6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi-110053

1. In consideration of the RailTel Corporation of India Limited (CIN: L64202DL2000GOI107905), having its registered office at Plate-A, 6th Floor, Office Block Tower-2, East Kidwai Nagar, New Delhi – 110023 (herein after called “RailTel”) having agreed to exempt..... (CIN :) having its registered office at (hereinafter called “the said Contractor”) from the demand, under the terms and conditions of Purchase Order No.dated made between RailTel and for (hereinafter called “the said Agreement”) of security deposit for the due fulfilment by the said Contractor of the terms and condition contained in the said Agreement, or production of a Bank Guarantee for Rs. (Rs. Only). We (indicate the name and address and other particulars of the Bank) (hereinafter referred to as ‘the Bank’) at the request of.....contractor do hereby undertake to pay RailTel an amount not exceeding Rs. (Rs Only) 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 of any of the terms or conditions contained in the said Agreement.

2. We, the 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 is claimed is due by way of loss or damage by the said Contractor of any of terms or conditions contained in the said Agreement by reason of the Contractor's failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs (Rs ..Only).

3. We, the Bank undertake to pay the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor 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 shall have no claim against us for making such payment.

4. We, the 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 and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before We shall be discharged from all liability under this Guarantee thereafter.

5. We, the Bank further agree with the RailTel that the RailTel shall have 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 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 or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Guarantee will not be discharge due to the change in the constitution of the Bank or the Contractor.

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

Dated the Day of 2022s for.....(Name of Bank)

In the presence of Witnesses:

1. Signature With Date Name

2. Signature With DateName

Encl: SFMS PBG Report

NON-DISCLOSURE AGREEMENT

This Non-Disclosure Agreement (this “Agreement”) is made and entered into on this ____ day of __, 2022 (the “Effective Date”) at _.

By and between

RailTel Corporation of India Limited, (CIN: L64202DL2000GOI107905), a Public Sector Undertaking under Ministry of Railways, Govt. of India, having its registered and corporate office at Plate-A, 6th Floor, Office Block, Tower -2, East Kidwai Nagar, New Delhi-110023 & Northern Region office at 6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi - 110053, (hereinafter referred to as 'RailTel'), which expression shall unless repugnant to the context or meaning thereof, deem to mean and include its successors and its permitted assignees of the ONE PART,

And

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

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

WHEREAS, RailTel and _____, each possesses confidential and proprietary information related to its business activities, including, but not limited to, that information designated as confidential or proprietary under Section 2 of this Agreement, as well as technical and non- technical information, patents, copyrights, trade secrets, know-how, financial data, design details and specifications, engineering, business and marketing strategies and plans, forecasts or plans, pricing strategies, formulas, procurement requirements, vendor and customer lists,

inventions, techniques, sketches, drawings, models, processes, apparatus, equipment, algorithms, software programs, software source documents, product designs and the like, and third party confidential information (collectively, the “Information”);

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

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

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

1. Permitted Use.

(a) Receiving Party shall:

- (i) hold all Information received from Disclosing Party in confidence;
- (ii) use such Information for the purpose of evaluating the possibility of entering into a commercial arrangement between the Parties concerning such Information; and
- (iii) restrict disclosure of such Information to those of Receiving Party’s officers, directors, employees, affiliates, advisors, agents and consultants (collectively, the “Representatives”) who the Receiving Party, in its reasonable discretion, deems need to know such Information, and are bound by the terms and conditions of (1) this Agreement, or (2) an agreement with terms and conditions substantially similar to those set forth in this Agreement.

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

- (i) is wholly and independently developed by Receiving Party without the use of Information of Disclosing Party;
- (ii) at the time of disclosure to Receiving Party, was either (A) in the public domain, or (B) known to Receiving Party;
- (iii) is approved for release by written authorization of Disclosing Party; or
- (iv) is disclosed in response to a valid order of a court or other governmental body in the India or any political subdivision thereof, but only to the extent of, and for the purposes set forth in, such order; provided, however, that Receiving Party shall first and immediately notify Disclosing Party in writing of the order and permit Disclosing Party to seek an appropriate protective order.

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

2. Designation.

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

- (i) written or other tangible form, such Information is clearly marked as proprietary or confidential when disclosed to Receiving Party; or
- (ii) oral or other intangible form, such Information is identified as confidential or proprietary at the time of disclosure.

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

4. Ownership of Information. All Information remains the property of Disclosing Party and no license or other rights to such Information is granted or implied hereby.

Notwithstanding the foregoing, Disclosing Party understands that Receiving Party may currently or in the future be developing information internally, or receiving information from other parties that may be similar to Information of the Disclosing Party. Notwithstanding anything to the contrary, nothing in this Agreement will be construed as a representation or inference that Receiving Party will not develop products, or have products developed for it, that, without violation of this Agreement, compete with the products or systems contemplated by Disclosing Party's Information.

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

6. Return or Destruction of Information.

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

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

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

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

remedies of injunction, specific performance and/or any other equitable relief for any threatened or actual breach of this Agreement

8. Notice.

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

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

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

RailTel Corporation of India limited:

Attn:

Address:

Phone:Email.:

Attn:

Address:

Phone:Email

9. Term, Termination and Survivability.

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

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

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

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

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

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

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

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

13. Settlement of Disputes:

(a) The parties shall, at the first instance, attempt to resolve through good faith negotiation and consultation, any difference, conflict or question arising between the parties hereto relating to or concerning or arising out of or in connection with this agreement, and such negotiation or consultation shall begin promptly after a Party has delivered to another Party a written request for such consultation.

(b) In the event of any dispute, difference, conflict or question arising between the parties hereto, relating to or concerning or arising out of or in connection with this agreement, is not settled through good faith negotiation or consultation, the same shall be referred to arbitration by a sole arbitrator.

14. The sole arbitrator shall be appointed by CMD/RailTel out of the panel of independent arbitrators maintained by RailTel, having expertise in their respective domains. The seat and the venue of arbitration shall be New Delhi. The arbitration proceedings shall be in accordance with the provision of the Arbitration and Conciliation Act 1996 and any other statutory amendments or modifications thereof. The decision of arbitrator shall be final and binding on both parties. The arbitration proceedings shall be conducted in English Language. The fees and cost of arbitration shall be borne equally between the part

15. CONFIDENTIALITY OF NEGOTIATIONS

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

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

16. REPRESENTATION

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

17. ASSIGNMENT

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

18. EMPLOYEES AND OTHERS

Each Party shall advise its Representatives, contractors, subcontractors and licensees, and shall require its Affiliates to advise their Representatives, contractors, subcontractors and licensees, of the obligations of confidentiality and non-use under this Agreement, and shall be responsible for ensuring compliance by its and its Affiliates' Representatives, contractors, subcontractors and licensees with such obligations. In addition, each Party shall require all persons and entities who are not employees of a Party and who are provided access to the Confidential Information, to execute confidentiality or non-disclosure agreements containing provisions no less stringent than those set forth in this Agreement. Each Party shall promptly notify the other Party in writing upon learning of any unauthorized disclosure or use of the Confidential Information by such persons or entities.

19. NO LICENSE

Nothing in this Agreement is intended to grant any rights to under any patent, copyright, or other intellectual property right of the Disclosing Party, nor will this Agreement grant the Receiving Party any rights in or to the Confidential Information of the Disclosing Party, except as expressly set forth in this Agreement.

20. RELATIONSHIP BETWEEN PARTIES:

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

21. UNPUBLISHED PRICE SENSITIVE INFORMATION (UPSI)

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

22. MISCELLANEOUS.

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

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

RailTel Corporation of India Ltd

By

By

Name:

_ Name:

Title:

Title:

sWitnesses:

Technical Compliance**EoI Ref. No.:****Date:****s**

Business Associates are requested to mention the details of compliance of technical solution proposed.

S. No	Scope Item	Specification as per technical Document	Proposed OEM Name	MAF Provided (Yes/No)	Compliance sheet
A	B	C	D	E	F
1	To be filled by Bidder As per Technical Document Copy of CoR	To be filled by Bidder As per Technical Document Copy of CoR	To be filled by Bidder	To be filled by Bidder	To be filled by Bidder
2	To be filled by Bidder	To be filled by Bidder	To be filled by Bidder	To be filled by Bidder	To be filled by Bidder

Pre Bid Agreement

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

This Pre-Bid Agreement (the “**Agreement**”) is made at New Delhi on this ____ Day of _____(month) 2022.

BETWEEN

M/s. RailTel Corporation Of India Limited, (CIN: L64202DL2000GOI107905) a company registered under the Companies Act 1956, having its registered and corporate office at Plate-A, 6th Floor, Office Block, Tower-2, East Kidwai Nagar, New Delhi India – 110 023 and Northern Regional office at 6th Floor, 3rd Block, Delhi IT Park, Shastri Park, New Delhi - 110053 (hereinafter referred to as “**RailTel**” which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns) of the **FIRST PART**.

AND

M/s. XXXX, (CIN: _____) a company registered under the Companies Act 1956, having its registered office at _____ and its Corporate Office located at _____, (hereinafter referred to as “**XXXX**” which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns) of the **SECOND PART**.

RailTel and _____ shall be hereinafter individually referred to as “**Party**” and collectively as “**Parties**.”

WHEREAS,

- A) RailTel is a "Mini Ratna (Category-I)" CPSU of Ministry of Railways, having exclusive right of way along Indian Railways and has created an OFC backbone and associated transport and network infrastructure to provide carrier class telecom services. RailTel has Unified License issued by DoT to provide a range of telecom services. RailTel also has two tier III certified datacentres at Secunderabad and Gurugram. RailTel has created a slew of digital services like cloud, hosting, hosted Video Conferencing service, Aadhar Services, Content delivery platform, WiFi as a service etc. RailTel has strong capabilities in managing telecom infrastructure, MPLS network infrastructure, data centre services like IaaS (Infrastructure as a Service) and PaaS (Platform as a Service).
- B) _____ (DETAILS OF SECOND PART)

C) RailTel had floated an **EOI No:** _____ **dated**
pursuant to the RFP floated by End Customer for“_____
for End Customer Organization for agreed Scope of Work”(hereinafter referred as “The said
work/project/tender”), and subsequently, based on the offer submitted by M/s XXXX towards the
RailTel’s EOI, M/s XXXX has been selected by RailTel as Business Associate for the said Project.

D) RailTel is in the process of participating in the tender issued by end customer, complete details of which have
deliberately not been shared with XXXX and XXXX has waived its right to get the RFP document of end
customer owing to confidentiality concern raised by the end customer. However, a limited scope of work on
‘need to know basis’ and as detailed in clause

1.7 below, which will be carried out by XXXX has been shared with XXXX and based on the representation
of “XXXX” that “XXXX” has read the said limited Scope of Work and has understood the contents thereof and
that “XXXX” has sufficient experience to execute the said limited and defined scope of work, the Parties have
mutually decided to form a “ Business association” wherein RailTel shall act as the “Bidder” and “XXXX”
shall act as the “business associate” in terms of the said Tender and in accordance to the terms agreed hereunder;

E) RailTel shall submit Rupees YYYY as BG against pre integrity pact at the time of submission of bid as an
Integrity Pact bank guarantee to end customer and accordingly “XXXX” shall submit Rupees ZZZZ as BG of
pre integrity pact on back to back

basis to RailTel before final submission of the said bid to end customer. **(This is applicable on cases to case
basis as per CoR requirement. May please read in conjunction of the current RFP.)**

F) Party hereby acknowledges that RailTel has received Rs. _____ /-
(Rs. _____) from M/s XXXX as per the Terms and conditions of EOI no.
_____ dated _____.

G) The Parties are thus entering into this Agreement to record the terms and conditions of their
understanding and the matters connected therewith.

RailTel has agreed to extend all the necessary and required support to “XXXX” during the entire
contract period.

NOW, THEREFORE, in consideration of the mutual covenants set forth herein it is hereby agreed by and
between the Parties hereto as under:

1. SCOPE OF CO-OPERATION

- 1.1. Parties have agreed to form a “business association” to co-operate with each other on an exclusive basis with respect to execution of the said Project.
- 1.2. It has been further agreed between the Parties that Parties shall not bid individually for the said Project nor shall they enter into any arrangement with other parties for the purpose of bidding for the said Project during the validity of this Agreement.
- 1.3. The Parties also agree that the terms of the said EOI for limited and defined scope of work along with the Corrigendum's issued thereafter shall apply mutatis-mutandis to this Agreement.
- 1.4. The Parties further agree that they shall, enter into a ‘Definitive Agreement’ containing elaborate terms and conditions, role and responsibilities and respective scope of work of this Agreement after declaration of RailTel as the successful bidder of the said Project.
- 1.5. RailTel shall submit the PBG amounting Rs. XXXXX, earnest money deposit / EMD declaration (whichever is applicable) and performance bank guarantee to **End customer** and accordingly “XXXX” shall submit to RailTel, BG amounting to Rs. _____ as the earnest money deposit. Further, XXXX shall also pay the performance bank guarantee in proportionate to the extent of its defined scope of work.
- 1.6. RailTel may further retain some portion of the work mentioned in the end organization's RFP, where RailTel has competence so that overall proposal becomes most winnable proposal.
- XXXX agrees, undertakes and acknowledges that following shall be Scope of Work of XXXX out of the total project work.:

2. Technical Terms – As per CoR document

3. TERM AND TERMINATION

- 3.1. This Agreement shall come into force as of the date of signing and shall continue to be in full force and effect till the complete discharge of all obligations, concerning the carrying out of the said Project, except terminated earlier by the Parties in terms of this Agreement or in terms of the said project, whichever is applicable.
- 3.2. This Agreement can be terminated by either Parties forthwith in the event of happening of the following events:
- (a) End customer announces or notifies the cancellation of the said Project and / or withdrawing the said RFP.

- (b) The receipt of an official communication that End customer chooses not to proceed with RailTel for the said Project or RailTel is not short listed by End customer.
 - (c) Material breach of any of the terms and conditions of this Agreement by either of the Parties and the same is not rectified by the defaulting Party beyond 15 (fifteen) days (or a reasonable time period as mentioned under the notice issued by the other Party) from the date of receipt of notice from the other Party to cure the said breach.
- 3.3. Parties agree and understand that as of the execution of this Agreement they are contractually bound and obligated to perform the services, obligations and the scope of work entrusted, should RailTel be declared as the successful bidder of the said Project. Any Party shall not withdraw its participation subsequent to execution of this Agreement, at any point in time except in case of material breach of any of the terms of the Agreement.
- 3.4. In case “XXXX” breach the terms of Agreement i.e. defaulting party in such case the balance unsupplied quantity or service shall be completed by RailTel i.e. non-defaulting party and cost for completion of that balance unsupplied quantity or service of such defaulting party shall be executed by RailTel at the risk and cost of such defaulting party.

4. Liability:

It is understood that the parties are entering into this pre-bid teaming agreement for requirement of submission of bid against the RFP floated by end customer for Implementation of Network Security System and Integration for end Customer

Organization. Parties acknowledge and agree that “XXXX” shall be completely liable for the successful execution of this project, in relation to its defined scope of work (as detailed in clause 1.7 above), fully complying the end customer requirements. Accordingly, it is agreed that notwithstanding anything contained in the RFP document, “XXXX” shall be liable to RailTel with regard to its obligations and liability to complete the agreed and defined scope of work as detailed in clause 1.7 above..

5. EXCLUSIVITY

Parties agree to co-operate with each other for the purpose of the said Project on an exclusive basis with respect to applying for, submitting and execution of the said Project including providing of technical demo, proof of concept for the agreed and defined scope of work.

6. PAYMENT TERMS

The payment terms between the parties shall be only on receipt of payment from end customer and will be back to back as per customer acceptance on payment terms.

7. TAXES

Parties agree that they will comply with the Indian Income Tax Act in force from time to time and pay Indian Income Tax, as may be imposed / levied on them by the Indian Income Tax Authorities, for the payments received by them for the Project under this agreement and any other taxes, cess, surcharge, etc. for their respective scope of works;

8. INDEMNIFICATION

- 8.1 Parties agree to and undertake to indemnify and hold each other, its officers, directors, agents and employees harmless, from and against any and all claims, demands, causes of action, losses, damages, costs and expenses (including attorney's reasonable fees, costs of investigation and defence) arising out

of or resulting from any claim, action or other proceeding (including any proceeding by any of the indemnifying party's employees, agents or contractors) based upon:

- i. any breach or contravention of any of the terms, conditions, covenants of this Agreement by the Party;
- ii. Unethical business practices;
- iii. any acts or omission of the Party and/ or any of its employees, agents or contractors, and the liability for damages to property arising from or out of party operations in connection with the performance of this agreement;
- iv. any claim for taxes that might arise or be imposed due to this performance of Services hereunder;
- v. any representation or warranty or information furnished by the Party being found to be false;
- vi. Parties failure to pay all applicable compensation to its respective personnel;
- vii. death or personal injury to any person;
- viii. destruction or damage to any property by acts or omissions of either Party, its representatives or personnel;
- ix. any violation/non-compliance by the Party with any applicable laws governmental regulations or orders;
- x. any third party liability;
- xi improper handling or misuse of the Confidential Information of the Party(ies) by the Party

8.2 XXXX shall be liable to all risks and consequences (including the risk of payments) suffered in the performance of services under the Project and undertakes to indemnify RailTel from and against any non payments (of RailTel's share payable to RailTel), recoveries and claim from End Customer or any other cost or losses incurred due to default/non performance on part of XXXX.

9. COMPLIANCES TO STATUTORY OBLIGATIONS

- 9.1. Parties shall also obtain and keep in place necessary insurance policies, mediclaim policies, group insurance schemes of adequate value to cover their workmen, supervisors, etc. with regard to any accidents, injury or the liability under the Employee Compensation Act.
- 9.2. Parties shall observe and be responsible for the compliance of all labour laws (including labour cess) as per government notifications and shall maintain necessary records for the same and shall submit the same to RailTel when so required.
- 9.3. Parties shall duly maintain all records / registers required to be maintained by them under various labour laws mentioned above and shall produce the same before the concerned Statutory Authorities whenever required and called upon to do so.

10. LEGAL STATUS

This Agreement constitutes a contractual relationship and shall relate solely to the Project and shall not extend to other activities or be construed to create a corporation, body corporate, partnership or any other form of legal entity.

11. REPRESENTATIONS AND COVENANTS

11.1. Each Party represents and warrants to the other Party as follows:

11.1.1. That it has full capacity, power and authority and has obtained all requisite consents and approvals to,

enter into and to observe and perform this Agreement and to consummate the transactions contemplated hereunder. Each of the Persons / personnel executing this Agreement on behalf of the each of the Parties have full capacity and authority to sign and execute this Agreement on behalf of the respective Parties;

11.1.2. The execution, delivery and consummation of, and the performance by it, of this Agreement shall not conflict with, violate, result in or constitute a breach of or a default under, (a) any contract by which it or any of its assets or properties, are bound or affected, and/or (b) its constitutional documents;

11.1.3. This Agreement constitutes its legal, valid and binding obligations, enforceable against it, in accordance with their terms under Applicable Statutory Law(s);

11.1.4. It has the right, authority and title to execute this Agreement;

12. SUBCONTRACTING BETWEEN PARTIES

If a Party subcontracts certain supplies or services pertaining to its scope of work to the other party, then the resulting relationship between such parties shall be governed by a separate subcontract. This Agreement shall not in any way be affected thereby except as stated otherwise in this Agreement

13. GOVERNING LAW AND JURISDICTION

The construction, validity and performance of this Agreement shall be governed in all respects by the Laws of India. The Parties hereby submit to the exclusive jurisdiction of the Indian courts at Delhi only.

14. GOOD FAITH NEGOTIATION AND DISPUTE RESOLUTION

The parties shall, at the first instance, attempt to resolve through good faith negotiation and consultation, any difference, conflict or question arising between the parties hereto relating to or concerning or arising out of or in connection with this agreement, and such negotiation or consultation shall begin promptly after a Party has delivered to another Party a written request for such consultation.

In the event of any dispute, difference, conflict or question arising between the parties hereto, relating to or concerning or arising out of or in connection with this agreement, is not settled through good faith negotiation or consultation, the same shall be referred to arbitration by a sole arbitrator.

The sole arbitrator shall be appointed by CMD/RailTel out of the panel of independent arbitrators maintained by RailTel, having expertise in their respective domains. The seat and the venue of arbitration shall be New Delhi. The arbitration proceedings shall be in accordance with the provision of the Arbitration and Conciliation Act 1996 and any other statutory amendments or modifications thereof. The decision of arbitrator shall be final and binding on both parties. The arbitration proceedings shall be conducted in English Language. The fees and cost of arbitration shall be borne equally between the parties.

15. FORCE MAJEURE

“Force Majeure Event” shall mean any event beyond the reasonable control of the affected Party including acts of God, fires, earthquakes, strikes, pandemic, epidemics, lock down, and labor disputes, acts of war or terrorism, civil unrest, economic and financial sanctions, or acts or omissions of any Governmental Authority occurring on or after the Signature Date.

No Party shall be liable to the other if, and to the extent, that the performance or delay in performance of any of its obligations under this Agreement is prevented, restricted, delayed or interfered with, due to a Force Majeure Event.

The Party affected by Force Majeure Event shall promptly inform the other Party in writing and shall furnish within 30 (thirty) days thereafter, sufficient proof of the occurrence and expected duration of such Force Majeure Event. The Party affected by Force Majeure Event shall also use all reasonable endeavours to mitigate the negative effects of such Force Majeure Event on such Party's ability to perform its contractual obligations. In the event of a Force Majeure Event, the Parties shall immediately consult with each other in order to find an equitable solution and shall use all reasonable endeavours to minimise the consequences of such Force Majeure Event.

The occurrence of a Force Majeure Event shall however, not relieve a Party of any obligation to pay any sum due under this Agreement prior to the occurrence of the Force Majeure Event.

If the Force Majeure lasts for more than 6 (six) months, the Parties may mutually decide in writing on the future course of action with respect to this Agreement.

16. INTELLECTUAL PROPERTY RIGHTS

16.1. Each Party shall remain the sole owner of all industrial or intellectual property rights, Technical Data, Know-How, designs, specifications and the like, generated or acquired before the signature, or beyond the scope of this agreement.

16.2. Each Party shall remain the sole owner of all industrial or intellectual property rights, technical data, know-how, design specifications and the like generated solely by that Party during the course of the performance of this agreement and shall not be free to use it by the other party and if the other party uses that intellectual property rights prior permission shall be taken with paying necessary fees for such rights.

16.3. In case of joint development, the work-share and associated ownership of intellectual property of each Party shall be mutually agreed upon and defined in advance in the definitive agreement for the specific program. However, should any invention be jointly made by the Parties in the performance of this agreement, without neither Party being in a position to reasonably claim the ownership of said intellectual property right, the said right shall be jointly owned by the Parties and the corresponding measures of protection for both Parties of the said right as may be practicable shall be mutually agreed by both Parties and cost for such registration of such right shall be borne by the parties proportionately as per the ownership of the rights.

16.4 As on date, Parties confirm that there are no infringements of any Intellectual Property Rights of the products contemplated under this agreement, in accordance with the laws prevailing in the country.

16.5. The Parties undertake and confirm that the Technology / Knowhow / Design owned by each of them and intended to be put into use for execution of various Projects pursuant to this agreement has been originally developed by each of such Parties. The Parties are entitled to all the Intellectual Property Rights in Technology / Knowhow / Design intended to be put into

use for execution of various Projects and no third-party Intellectual Property Rights have been put into use either in their original or modified form without proper authorisation of such third party. The Parties further vouchsafes that the foregoing undertaking is actuated by truth and accuracy and no misrepresentation is being put into use for inducing each other to enter into this agreement.

17. CONFIDENTIALITY

17.1. During the term of this agreement, either party may receive or have access to technical information, as well as information about product plans and strategies, promotions, customers and related non-technical business information which the disclosing party considers to be confidential ("Confidential Information as per RFP tender document"). In the event Confidential Information is to be disclosed, the Confidential Information must be marked as confidential at the time of disclosure, or if disclosed orally but stated to be confidential, and be designated as confidential in writing by the disclosing party summarizing the Confidential Information disclosed and sent to the receiving party within thirty (30) days after such oral disclosure.

17.2. Confidential Information may be used by the receiving party only with respect to the performance of its obligations under this Agreement, and only by those employees of the receiving party and its subcontractors who have a need to know such information for purposes related to this Agreement, provided that such subcontractors have signed separate agreements containing substantially similar confidentiality provisions. The receiving party must protect the Confidential Information of the disclosing party by using the same degree of care to prevent the unauthorized use, dissemination or publication of such Confidential Information, as the receiving party uses to protect its own confidential information of like nature.

17.3. The obligations is not applicable to any information which is:

17.3.1. Already known by the receiving party prior to disclosure;

17.3.2. Publicly available through no fault of the receiving party;

17.3.3. Rightfully received from a third party without being responsible for its confidentiality;

17.3.4. Disclosed by the disclosing party to a third party without being responsible for its Confidentiality on such third party;

17.3.5. Independently developed by the receiving party prior to or independent of the disclosure;

17.3.6. Disclosed under operation of law;

17.3.7. Disclosed by the receiving party with the disclosing party's prior written approval.

17.4 XXXX agrees and acknowledges that XXXX, its Partners, employees, representatives etc., by virtue of being associated with RailTel and being in frequent communication with RailTel and its employees, shall be deemed to be "Connected Persons" within the meaning of SEBI (Prohibition of Insider Trading) Regulations, 2015 and shall be bound by the said regulations while dealing with any confidential and/ or price sensitive information of RailTel. XXXX shall always and at all times comply with the obligations and restrictions contained in the said regulations. In terms of the said regulations, XXXX shall abide by the restriction on

communication, providing or allowing access to any Unpublished Price Sensitive Information (UPSI) relating to RailTel as well as restriction on trading of its stock while holding such Unpublished Price Sensitive Information relating to RailTel

17.5 Notwithstanding anything contained in this agreement, XXXX undertakes, agrees and acknowledges that being RailTel's Business Associate, XXXX shall maintain utmost confidentiality in relation to said Project. XXXX further, undertakes that any information relating to said Project which is or will be disclosed/ divulged by RailTel on need to know basis, will be received and treated by XXXX as strictly confidential and XXXX shall not, without the prior written consent of the RailTel or as expressly permitted herein, disclose or make available to any other person such information.

18. NOTICES

Notices, writings and other communications under this Agreement may be delivered by hand, by registered mail, by courier services or facsimile to the addresses as set out below:

To RailTel Corporation Of India Limited

To: RailTel Corporation of India Ltd Kind Attn: Executive Director / Northern Region
Address: 6th Floor, 3rd Block, Delhi IT Park, New Delhi - 110053 Tel No.: +91-11-22185933/22185934
Email: ednr@railtelindia.com

To XXXX

To: XXXX
Kind Attn: _____ Address: _____
Mob. No.: _____ Email: _____

19. AMENDMENT

No amendment or modification or waiver of any provision of these presents, nor consent to any departure from the performance of any obligations contained herein, by any of the Parties hereto, shall in any event be valid and effective unless the same is in writing and signed by the Parties or their duly authorized representative especially empowered in this behalf and the same shall be effective only in respect of the specific instance and for the specific purpose for which it is given.

20. PRIOR UNDERSTANDING

This Agreement contains the entire Agreement between the Parties to this Agreement with respect to the subject matter of the Agreement, is intended as a final expression of such Parties' agreement with respect to such terms as are included in this Agreement is intended as a complete and exclusive statement of the terms of such agreement, and supersedes all negotiations, stipulations, understanding, Agreements, representations and warranties if any, with respect to such subject matter, which precede or accompany the execution of this Agreement.

21. GENERAL

21.1. Binding Effect:

This Agreement shall be binding upon and inure to the benefit of the Parties here to and their respective legal

successors.

21.2. Counterparts:

This Agreement may be executed simultaneously in 2 (two) counterparts, each of which shall be deemed to be original and all of which together shall constitute the same Agreement.

21.3. Non-Partnership:

21.3.1. This Agreement shall be on a principal-to-principal basis and shall not create any principal-agent relationship between the Parties.

21.3.2. Nothing in this Agreement shall be deemed to constitute a partnership or joint venture between the Parties or otherwise entitle either Party to have an authority to bind the other Party for any purpose.

21.4. Severability:

In the event any provision of this agreement is held invalid or un-enforceable by a court of competent jurisdiction, such provision shall be considered separately and such determination shall not invalidate the other provisions of this agreement and annexure/s which will be in full force and effect.

21.5. Waiver:

A failure by any Party to exercise or enforce any rights conferred upon it by this Agreement shall not be deemed to be a waiver of any such rights or operate so as to bar the exercise or enforcement thereof at any subsequent time.

21.6. Time is of essence:

Time is the essence of this agreement and the Parties herein agree and acknowledge to abide by the same.

22. Miscellaneous

22.1. No Party to this agreement will have any rights or obligations arising from or in relation to this agreement in excess of those rights and obligations expressly declared herein.

22.2. No Party to this agreement is entitled to sell, assign or otherwise transfer any of its rights and/or obligations arising from or in relation to this agreement to any third party, without the prior written consent of the other Party of this agreement.

22.3. Each Party shall be solely responsible for its own actions or failures to act and for its own commitments and undertakings. Neither Party shall present itself as the representative or agent of the other Party, nor shall it have the power or the authority to commit the other Party, unless it receives the other Party's prior written consent.

22.4. No release shall be made by any Party to the news media or the general public relating to this agreement and/or the subject matter thereof without prior written approval of the other Party..

22.5. During the term of this agreement, each party shall refrain from taking any action or attempt to take any action with the intent of impairing or causing prejudice to the business relationship, whether existing or prospective that subsists between the other party and its customers and business partners. Each party shall also desist from inducing or influencing or attempting to induce or influence any customer or business partner, whether existing or prospective of the other party, resulting into prejudice or detriment to business prospects of the other party.

Furthermore, Parties shall not compete with or cause detriment to the business prospects of each other by making use of confidential information, whether in its embodied or disembodied form, shared pursuant to this agreement.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written.

For RailTel Corporation of India Limited
Authorised Signatory

Name:

Designation:

In Presence of witness:

Signature:

Name:

Address:

For XXXX

Authorized Signatory

Name:

Designation:

Signature:

Name:

Address

Details of IEM

The following eminent personalities have been appointed as Independent External Monitors (IEMs) by RailTel for effective implementation & monitoring of Integrity Pact:

Name	Contact
Shri. Vinit Kumar Jayaswal	Add: E-34, Brahma Apartments, Plot-7, Sector-7, Dwarka, New Delhi-110075. E-Mail: gkvinit@gmail.com M.No. +91-9871893484
Shri. Punati Sridhar	Add: 8C, Block 4, 14-C Cross, MCHS Colony, HSR 6th Sector, Bangaluru 560102. E-Mail: poonatis@gmail.com M.No. +91-9448105097

Date: 02.12.2019

GUIDELINES FOR INDIAN AGENTS OF FOREIGN SUPPLIERS

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

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

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

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

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

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

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

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

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

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

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

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

2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission/ remuneration, if any payable to the agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.

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

GUIDELINES ON BANNING OF BUSINESS DEALINGS**CONTENTS**

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1. Introduction

- 1.1 RailTel Corporation of India Ltd (RAILTEL), being a Public Sector Enterprise, under the administrative control of the Ministry of Railways and therefore being an authority deemed to be the state within the meaning of Article 12 of Constitution of India, has to ensure preservation of rights enshrined in Chapter III of the Constitution. RAILTEL has also to safeguard its commercial interests. RAILTEL deals with Agencies, who have a very high degree of integrity, commitments and sincerity towards the work undertaken. It is not in the interest of RAILTEL to deal with Agencies who commit deception, fraud or other misconduct in the execution of contracts awarded / orders issued to them. In order to ensure compliance with the constitutional mandate, it is incumbent on RAILTEL to observe principles of natural justice before banning the business dealings with any Agency.
- 1.2 Since banning of business dealings involves civil consequences for an Agency concerned, it is incumbent that adequate opportunity of hearing is provided and the explanation, if tendered, is considered before passing any order in this regard keeping in view the facts and circumstances of the case.

2. Scope

- 2.1 The General Conditions of Contract (GCC) of RAILTEL generally provide that RAILTEL reserves its rights to remove from list of approved suppliers/ contractors or to ban business dealings if any Agency has been found to have committed misconduct and also to suspend business dealings pending investigation. If such provision does not exist in any GCC, the same may be incorporated.
- 2.2 Similarly, in case of sale of material there is a clause to deal with the Agencies/ customers/ buyers, who indulge in lifting of material in unauthorized manner. If such a stipulation does not exist in any Sale Order, the same may be incorporated.
- 2.3 However, absence of such a clause does not in any way restrict the right of Company (RAILTEL) to take action / decision under these guidelines in appropriate cases.
- 2.4 The procedure of (i) Removal of Agency from the List of approved suppliers/ contractors; (ii) Suspension and (iii) Banning of Business Dealing with Agencies, has been laid down in these guidelines.
- 2.5 These guidelines apply to Corporate Office, all Regions and Subsidiaries of RAILTEL.
- 2.6 It is clarified that these guidelines do not deal with the decision of the Management to avoid entertaining any particular Agency due to its poor / inadequate performance or for any other reason.
- 2.7 The banning shall be with prospective effect, i.e., future business dealings.

1.0 Definitions

In these Guidelines, unless the context otherwise requires:

- i. Party / Contractor / Supplier / Purchaser / Customer shall mean and include a public limited company or a private limited company, a firm whether registered or not, an individual, a cooperative society or an association or a group of persons engaged in any commerce, trade, industry, etc. Party /Contractor / Supplier / Purchaser / Customer in the context of these guidelines is indicated as Agency.
- ii. Interconnected Agency shall mean two or more companies having any of the following features:
 - a) If one is a subsidiary of the other;
 - b) If the Director(s), Partner(s), Manager(s) or Representative(s) are common;
 - c) If management is common;
 - d) If one owns or controls the other in any manner;

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

4.0 Initiation of Banning / Suspension

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

5.0 Suspension of Business Dealings

- 5.1 If the conduct of any Agency dealing with RAILTEL is under investigation by any department (except Foreign Suppliers of imported items), the Competent Authority may consider whether the allegations under investigation are of a serious nature and whether pending investigation, it would be advisable to continue business dealing with the Agency. If the Competent Authority, after consideration of the matter including the recommendation of the Investigating Department, if any, decides that it would not be in the interest to continue business dealings pending investigation, it may suspend business dealings with the Agency. The order to this effect may indicate a brief of the charges under investigation. If it is decided that inter-connected Agencies would also come within the ambit of the order of suspension, the same should be specifically stated in the order. The order of suspension would operate for a period not more than six months and may be communicated to the Agency as also to Investigating Department. The Investigating Department may ensure that their investigation is completed

and whole process of final order is over within such period.

- 5.2 The order of suspension shall be communicated to all the departmental heads within the unit/ region/ Corporate Office as the case may be. During the period of suspension, no business dealing may be held with the agency. As far as possible, the existing contract(s) with the Agency may continue unless the Competent Authority, having regard to the circumstances of the case, decides otherwise.
- 5.3 If the gravity of the misconduct under investigation is very serious and it would not be in the interest of RAILTEL, as a whole, to deal with such an Agency pending investigation, the Competent Authority may send his recommendation to Chief Vigilance Officer (CVO), RAILTEL Corporate Office alongwith the material available. If Corporate Office considers that depending upon the gravity of the misconduct, it would not be desirable for all the units/ regions of RAILTEL to have any dealings with the Agency concerned, an order suspending business dealings may be issued to all the units/ Regions / Corporate Office by the Competent Authority of the Corporate Office, copy of which may be endorsed to the Agency and all concerned. Such an order would operate for a period of six months from the date of issue.
- 5.4 for suspension of business dealings with Foreign Suppliers of imported items, following shall be the procedure:
 - i. Suspension of the foreign suppliers shall apply throughout the Company/ Regions including Subsidiaries.
 - ii. Based on the complaint forwarded by ED / GGM / GM or received directly by Corporate Vigilance, if gravity of the misconduct under investigation is found serious and it is felt that it would not be in the interest of RAILTEL to continue to deal with such agency, pending investigation, Corporate Vigilance may send such recommendation on the matter to Executive Director / GGM / GM, to place it before a committee consisting of the following:
 1. ED/ GGM/ GM (viz. Representative of Corporate Finance).
 2. ED/ GGM/ GM (viz. Representative of Department concerned with procurement of imported items)- Convener of the Committee.
 3. ED / GGM/ GM (to be nominated on case-to-case basis).
 4. ED / GGM/ GM ((viz. Representative of Corporate Law).The committee shall expeditiously examine the report and give its comments / recommendations within twenty-one days of receipt of the reference by ED/ GGM/ GM.
 - iii. The comments / recommendations of the Committee shall then be placed by ED/GGM/GM, before RAILTEL Directors Committee (RDC) constituted for import of items. If RDC opines that it is a fit case for suspension, RDC may pass necessary orders which shall be communicated to the foreign supplier by the ED/GGM/GM.
- 5.5 If the Agency concerned asks for detailed reasons of suspension, the Agency may be informed that its conduct is under investigation. It is not necessary to enter into correspondence or argument with the Agency at this stage.
- 5.6 It is not necessary to give any show-cause notice or personal hearing to the Agency before issuing the order of suspension. However, if investigations are not complete in six months' time, the Competent Authority may extend the period of suspension by another three months, during which period the investigations must be completed.

6.0 Ground on which Banning of Business Dealings can be initiated

- 6.1 If the security consideration, including questions of loyalty of the Agency to the State, so warrants;
- 6.2 If the Director / Owner of the Agency, proprietor or partner of the firm, is convicted by a Court of Law for offences involving moral turpitude in relation to its business dealings with the

- Government or any other public sector enterprises or RAILTEL, during the last five years;
- 6.3 If there is strong justification for believing that the Directors, Proprietors, Partners, owner of the Agency have been guilty of malpractices such as bribery, corruption, fraud, substitution of tenders, interpolations, etc;
 - 6.4 If the Agency continuously refuses to return / refund the dues of RAILTEL without showing adequate reason and this is not due to any reasonable dispute which would attract proceedings in arbitration or Court of Law;
 - 6.5 If the Agency employs a public servant dismissed / removed or employs a person convicted for an offence involving corruption or abetment of such offence;
 - 6.6 If business dealings with the Agency have been banned by the Govt. or any other public sector enterprise;
 - 6.7 If the Agency has resorted to Corrupt, fraudulent practices including misrepresentation of facts;
 - 6.8 If the Agency uses intimidation/ threatening or brings undue outside pressure on the Company (RAILTEL) or its official in acceptance/ performances of the job under the contract;
 - 6.9 If the Agency indulges in repeated and / or deliberate use of delay tactics in complying with contractual stipulations;
 - 6.10 Willful indulgence by the Agency in supplying sub-standard material irrespective of whether pre-dispatch inspection was carried out by Company (RAILTEL) or not;
 - 6.11 Based on the findings of title investigation report of CBI / Police against the Agency for malafide/ unlawful acts or improper conduct on his part in matters relating to the Company (RAILTEL) or even otherwise;
 - 6.12 Established litigant nature of the Agency to derive undue benefit;
 - 6.13 Continued poor performance of the Agency in several contracts;
 - 6.14 If the Agency misuses the premises or facilities of the Company (RAILTEL), forcefully occupies tampers or damages the Company's properties including land, water resources, etc.
- (Note: The examples given above are only illustrative and not exhaustive. The Competent Authority may decide to ban business dealing for any good and sufficient reason).

1.0 Banning of Business Dealings

- 1.1 Normally, a decision to ban business dealings with any Agency should apply throughout the Company including subsidiaries. However, the Competent Authority of the Region/ Unit except Corporate Office can impose such ban Region-wise only if in the particular case banning of business dealings by respective Region/ Unit will serve the purpose and achieve its objective and banning throughout the Company is not required in view of the local conditions and impact of the misconduct/ default to beyond the Region/ Unit. Any ban imposed by Corporate Office shall be applicable across all Regions/ Units of the Company including Subsidiaries.
- 1.2 For Company-wide banning, the proposal should be sent by ED of the Region/ Unit to the CVO/RailTel setting out the facts of the case and the justification of the action proposed alongwith all the relevant papers and documents except for banning of business dealings with Foreign Suppliers of imported items.

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

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

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

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

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

- I. To study the report of the investigating Agency and decide if a prima-facie case for Company-wide / Region wise banning exists, if not, send back the case to the Competent Authority.
 - II. To recommend for issue of show-cause notice to the Agency by the concerned department.
 - III. To examine the reply to show-cause notice and call the Agency for personal hearing, if required.
 - IV. To submit final recommendation to the Competent Authority for banning or otherwise.
- 1.4 If the Competent Authority is prima-facie of view that action for banning business dealings with the Agency is called for, a show- cause notice may be issued to the Agency and an enquiry held accordingly.
- 1.5 Procedure for Banning of Business Dealings with Foreign Suppliers of imported items.
- i. Banning of the agencies, shall apply throughout the Company including subsidiaries.
 - ii. Based on the complaint forwarded by Executive Director or received directly by Corporate Vigilance, an investigation shall be carried out by Corporate Vigilance. After investigation, depending upon the gravity of the misconduct, Corporate Vigilance may send their report to Executive Director/ GGM/ GM, to be placed before a Committee consisting of the following:

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

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

- iii. The comments/recommendations of the Committee shall be placed by ED/ GGM/GM before RAILTEL Directors' Committee (RDC) constituted for import of foreign items. If RDC opines that it is a fit case for initiating banning action, it will direct ED/ GGM/ GM to issue show-cause notice to the agency for replying within a reasonable period.
- iv. On receipt of the reply or on expiry of the stipulated period, the case shall be submitted by ED to RDC for consideration & decision.
- v. The decision of the RDC shall be communicated to the agency by ED/GGM/GM concerned.

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

- 2.1 If the Competent Authority decides that the charge against the Agency is of a minor nature, it may issue a show-cause notice as to why the name of the Agency should not be removed from the list of approved Agencies - Suppliers / Contractors, etc.
- 2.2 The effect of such an order would be that the Agency would not be disqualified from competing

in Open Tender Enquiries but LTE (Limited Tender Enquiry) may not be given to the Agency concerned.

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

9.0 Show-cause Notice

- 9.1 In case where the Competent Authority decides that action against an Agency is called for, a show-cause notice has to be issued to the Agency. Statement containing the imputation of misconduct or misbehavior may be appended to the show-cause notice and the Agency should be asked to submit within 15 days a written statement in its Defence.
- 9.2 If the Agency requests for inspection of any relevant document in possession of RAILTEL, necessary facility for inspection of documents may be provided.
- 9.3 The Competent Authority may consider and pass all appropriate speaking order:
- a) For exonerating the Agency if the charges are not established.
 - b) For removing the Agency from the list of approved Suppliers/ Contractors, etc.
 - c) For banning the business dealing with the Agency.
- 9.4 If it decides to ban business dealings, the period for which the ban would be operative may be mentioned. The order may also mention that the ban would extend to the interconnected Agencies of the Agency.

10.0 Appeal against the Decision of the Competent Authority

- 10.1 The agency may file an appeal against the order of the Competent Authority banning business dealing, etc. The appeal shall lie to Appellate Authority. Such an appeal shall be preferred within one month from the date of receipt of the order banning business dealing, etc.
- 10.2 Appellate Authority would consider the appeal and pass appropriate order which shall be communicated to the Agency as well as the Competent Authority.

11.0 Review of the Decision by the Competent Authority

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

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

- 12.1 Depending upon the gravity of misconduct established, the Competent Authority of the Corporate Office may circulate the names of Agency with whom business dealings have been banned, to the Government Departments, other Public Sector Enterprises, etc. for such action as they deem appropriate.
- 12.2 If Government Departments or a Public Sector Enterprise requests for more information about the Agency with whom business dealings have been banned, a copy of the report of the Inquiring authority together with a copy of the order of the Competent Authority / Appellate Authority may be supplied.
- 12.3 If business dealings with any Agency have been banned by the Central or State Government or any other Public Sector Enterprise, RAILTEL may, without any further enquiry or investigation, issue an order banning business dealing with the Agency and its interconnected Agencies.
- 12.4 Based on the above, Regions / Units may formulate their own procedure for implementation of the guidelines.

INTEGRITY PACT

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

And

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

1. Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for

The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and /or Contractor(s).

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

2. Section 1- Commitments of the Principal

1. The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - b. The Principal will during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the process or the contract execution.
 - c. The Principal will exclude from the process all known prejudiced persons.
2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

3. Section 2- Commitments of the Bidder(s) / Contractor(s)

1. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
 - a. The Bidder(s)/contractor(s) will not, directly or through any other persons or firm, offer promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other

benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage during tender process or during the execution of the contract.

- b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s) /Contractors will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the bidder(s)/contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" as annexed and marked as Annexure A.
 - e. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
2. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4. Section 3: Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process & exclude him from future business dealings as per the existing provisions of GFR,2017,PC ACT 1988) or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings" and any other Financial Rules/Guidelines applicable to the Principal. Copy of the "Guidelines on Banning of business dealings" is annexed and marked as Annexure "B".

5. Section 4: Compensation for Damages

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

6. Section 5: Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last three years with any other company in any country conforming to the anti-corruption approach or with any

other public sector enterprise in India that could justify his exclusion from the tender process.

2. If the bidder makes incorrect statement on this subject, he can be disqualified from the tender process for action can be taken as per the procedure mentioned in “Guidelines on Banning of business dealings”.

7. Section 6: Equal treatment of all Bidders / Contractors/Subcontractors.

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a signed commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
2. The Principal Contractor shall take the responsibility of the adoption of IP by the sub-contractors. It is to be ensured that all sub-contractors also sign the IP.
3. In case of a Joint Venture, all the partners of the Joint Venture should sign the Integrity pact.
4. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions

8. Section 7: Criminal charges against violation by Bidder(s) / Contractor(s) / Sub contractor(s)

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

9. Section 8: Independent External Monitor / Monitors

1. The Principal appoints competent & credible Independent External Monitors for this pact as nominated by the Central Vigilance Commission (CVC) Government of India, from the panel of IEMs maintained by it. The task of the Monitors is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, RailTel.
3. The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all project documentation of the Principal including that provided by the Contractor.
4. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality.
5. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

Note: However, the documents /records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.

6. For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management. Beyond this,

the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

The advice of the IEM panel is restricted to resolving issues raised by a bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders.

7. The panel of IEMs are expected to submit a joint written report to the CMD, RailTel within 30 days from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
8. Monitor shall be entitled to compensation on the same terms as being extended to / provided to Independent Directors on the RailTel Board.
9. The IEMs would examine all complaints received by them and give their recommendations/views to the CMD, RailTel at the earliest. They may also send their report directly to the CVO in case of suspicion of serious irregularities requiring legal/administrative action. Only in case of very serious issue having a specific, verifiable vigilance angle, the matter should be reported directly to the Chief Vigilance Commission.
10. The word 'Monitor' would include both singular and plural.
11. In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. If required, the organizations may adopt any mediation rules for this purpose. In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organization may take further action as per the terms & conditions of the contract. However, not more than five meetings shall be held for a particular dispute resolution. The fees/expenses on dispute resolution shall be equally shared by both the parties.

10. Section 9: Pact Duration

Integrity Pact, in respect of a particular contract, shall be operative from the date IP is signed by both the parties till the completion of contract. After award of work, the IEMs shall look into any issue relating to execution of contract, if specifically raised before them. However, the IEMs may suggest systemic improvements to the management of the organization concerned, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.

In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the contract has been awarded.

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

11. Section 10: Other Provisions

1. This agreement is subject to Indian Law, Place of performance and jurisdiction is the Registered Office of the Principal, i.e., New Delhi.
2. Changes and supplements as well as termination notices need to be made in writing.
3. If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
5. The parties signing the IP shall not approach the Courts while representing the matters to

the IEMs and he/she will await the decision in the matter.

6. Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor
7. The Integrity pact shall be deemed to form a part of contract and parties shall be bound by its provision.
8. Issues like warranty/guarantee etc. should be outside the purview of IEMs.
or & on behalf of the Principal) or & On behalf of Bidder/Contractor)

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Integrity Pact Program

Bringing the practices in Railtel Corporation of India Limited up to the internationally acclaimed best practices for raising integrity levels in procurement of works and services, RailTel is implementing the Integrity Pact Program in line with the recommendation of Central Vigilance Commission (CVC).

The Integrity Pact Program envisages an 'Integrity Pact', an agreement between the prospective Bidders & Contractors and RailTel, committing the persons/officials of both parties, not to exercise any influence on any aspect of the contract.

Coverage:

The Integrity Pact Program will cover the following tenders/procurements:

All tenders relating to procurement of OFC, quad cable, pre-fab shelters, electronic equipments and its installations and/or commissioning etc. and other item(s) or activity/activities proposed to be carried out or required by the Company for the value exceeding Rs. 15 crores at a time including for repair and maintenance of cable /network and any other items required for special works assigned to RailTel

Implementation:

The accompanying 'Integrity Pact' will be issued along with the bidding documents and will also be uploaded on the website.

Bidder of Indian origin shall submit the Integrity Pact (in 2 copies) on a non-judicial stamp paper of Rs. 100/- duly signed by the person signing the bid. Bidder of foreign origin may submit the Integrity Pact on its company's letterhead, duly signed by the person signing the bid.

If the bidder is a partnership or a consortium, the Integrity Pact shall be signed by all the partners or consortium members.

The 'Integrity Pact' shall be returned by the Bidder duly signed along with the Bid in a separate envelope, duly superscripted with 'Integrity Pact'.

On behalf of RailTel, the Integrity pact will be signed by the concerned representative of the Projects department in the Bid Opening Committee immediately on receipt of Integrity Pact signed by the Bidder at the time of Bid opening. One copy of the Integrity Pact shall be retained by RailTel and the 2nd copy will be issued to the representative of the bidders during bid opening. If the Bidders representative is not present during the Bid opening, the 2nd copy shall be sent to the bidder by post/courier.

Bidder's failure to submit the Integrity Pact duly signed along with the Bid shall lead to outright rejection of the Bid.

The bidder shall not change the contents of the Integrity pact.

All the pages of the Integrity Pact are to be signed by both RailTel and the Bidder.

Independent External Monitors (IEMs):

1. CMD of RailTel is the authority to appoint Independent External Monitor(s) to oversee Integrity Pact Program's implementation and effectiveness with respect to the tenders/procurements to which Integrity Pact Program applies. For this purpose, CVC would nominate IEMs for RailTel from the panel of IEMs maintained by it. The Terms and Conditions of their appointment would be decided by CMD, RailTel in line with CVC guidelines in the matter.
2. In all tenders covered under the Integrity Pact, particulars of all IEMs, including their email IDs should be mentioned.

3. A copy of such Tender Document shall be forwarded to both IEM's promptly after publishing of the same, Information regarding the contracts awarded against the said Tender shall be provided to the concerned IEM at regular intervals as decided in consultation with CVO. Additional details/documents, if any, shall be furnished to the concerned IEM/IEMs, as and when sought by them.
4. IEM/IEMs shall provide their opinion on the complaints received by them to CMD RailTel at the earliest. They may however send their report directly to the CVO in case of suspicion of serious irregularities requiring legal/administrative action.

EMD BANK GUARANTEE FORMAT

EOI Ref No: _____ Date: XX-XX-XXXX

End Customer Tender Ref. No.: _____ Dated: XX-XX-XXXX on _____ portal

BID SECURITY (BANK GUARANTEE)

WHEREAS, [name of Bidder] (hereinafter called "the Bidder") has submitted his Bid dated [date] Selection of Implementation Partner from RailTel Empaneled Business Associate for exclusive PRE-BID TEAMING ARRANGEMENT for the work of [name of Contract] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that We [name of bank] of [name of country] having our registered office at _____ (Hereinafter called "the Bank") are bound unto RailTel Corporation of India Limited., 6th Floor, IIIrd Block, Delhi Technology Park, Shastri Park, Delhi-110053 [name of Employer] (hereinafter called "the Employer") in the sum of Rs. _____ (Rupees in words only) for which payment well and truly to be made to the said Employer the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this _____ day of _____ 20XX. THE CONDITIONS of this obligation are:

1. If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified in the Form of Bid;
- OR
2. If the Bidder having been notified of the acceptance of his bid by the Employer during the period of Bid validity:
 - a. Fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required;
 - or
 - b. fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders;
 - or
 - c. does not accept the correction of the Bid Price;

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date _____, _____ days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not later than the above date.

Date: _____

Signature of the bank: _____

Seal of Bank: _____

[Signature, name, and address]

* _____ days after the end of the validity period of the Bid.

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY BA ALONGWITH THE EOI DOCUMENTS

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

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

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

DEPONENT

SEAL AND SIGNATURE OF THE BA

VERIFICATION

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

DEPONENT

SEAL AND SIGNATURE OF THE BA

Place:

Dated:

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

Name of Work: “Wi-Fi implementation in entire campus of Customer of RailTel (CoR) in State of Haryana.”

Scope of work: SITC for Installation, Commissioning of Campus wired and WIFI Network in entire campus of Customer of RailTel (CoR) in State of Haryana. Detail scope of work with Technical specification is enclosed at **Annexure-12_A**.

Comprehensive Warranty Terms: Three years from the date of successful commissioning of the project.

SLA: Rectification of the services within 6 hours and replacement of faulty item on very next day of written complaint to successful bidder by RailTel.

Spare Item availability: Replacement of faulty item on very next day of written complaint to bidder by RailTel, subject to delay Penalty as per customer levied on back to back basis as per customer.

Extension of execution of work: RailTel’s standard terms and conditions or on back to back basis as approved by customer whichever is lower.

Post commissioning SLA Penalty: RailTel’s standard terms and conditions or on back to back basis as approved by customer whichever is higher.

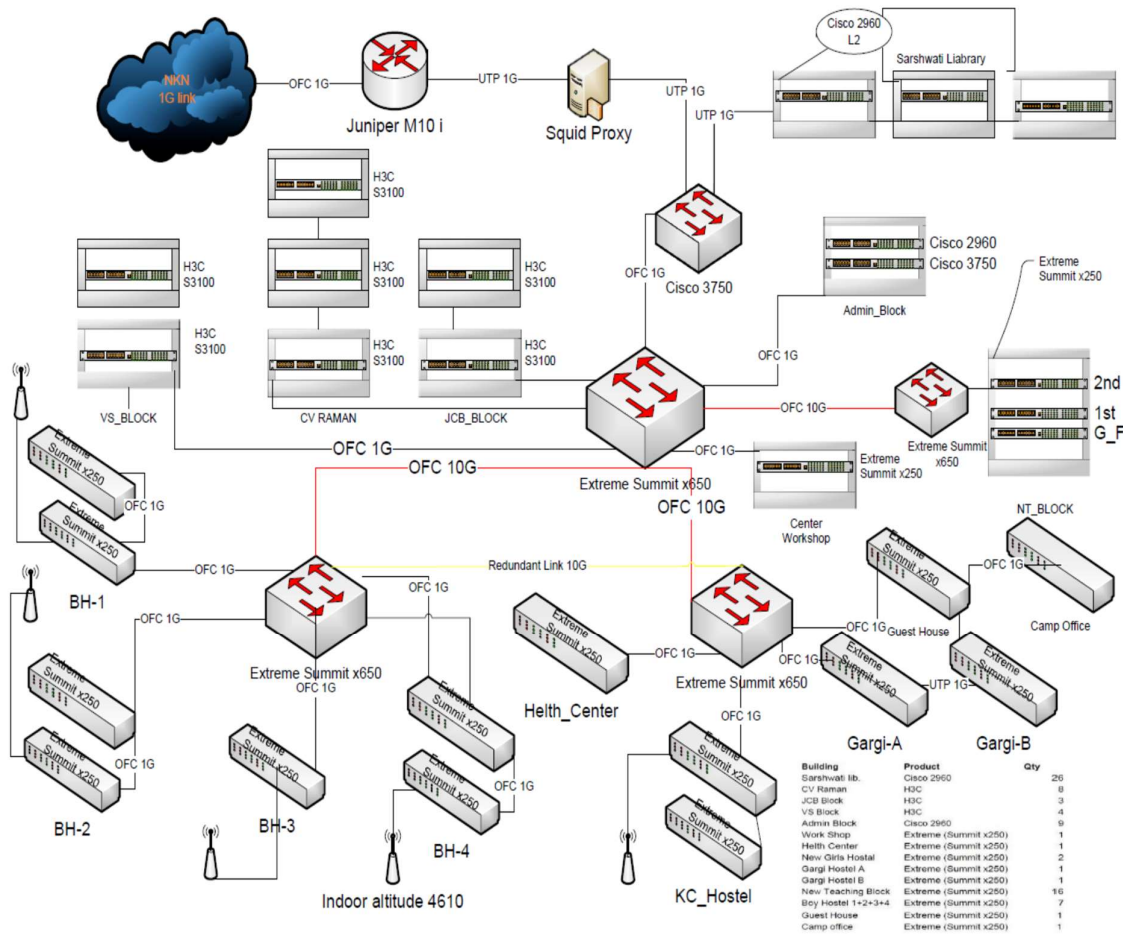
Scope of Work**SITC for Installation, Commissioning of Campus wired and WIFI Network**

1. SI should conduct a complete survey and submit a detailed design / layout for approval from customer.
2. Supply, Installation, Commissioning of Active and Passive intems as mentioned in the SOR and Integration with existing infrastructure as per approved Network diagram.
3. All documentation generated during planning, installation and commissioning phase shall always be made available.
4. Proper marking of cable, Safety Sign board/Route marker to be installed for cable laid underground and other miscellaneous work.
5. Any structure, permanent or temporary, dismantled or destroyed during the execution of the work shall be refilled/remake or restore to its original condition by the contractor at his own cost.
6. Configuration and Integration of all Active and Passive components as per the approved implementation plan.
7. Wi-Fi facility should be available 24/7 without fail. The primary aim of Wi-Fi facility is to provide high speed internet access in all areas used by user in Campus. Connectivity must be activated within 30 seconds.
8. The bidder shall also provide all required equipment which may not be specifically stated herein but are required to meet the intent of ensuring completeness, maintainability and reliability of the total system covered under this specification, including integration and interoperability with the existing LAN.

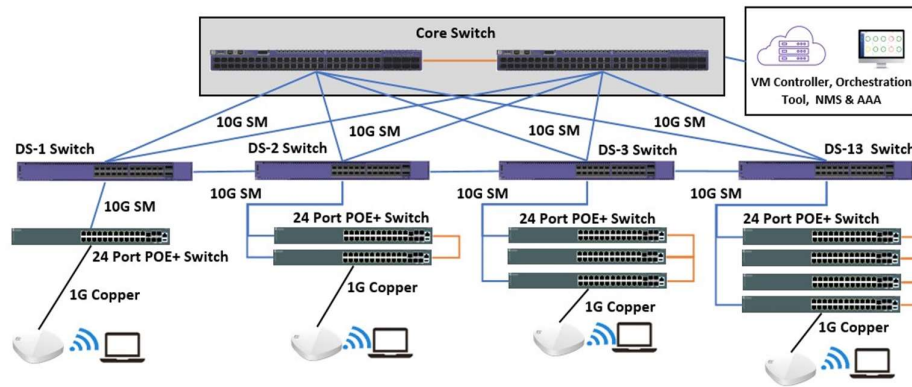
Details of Existing Equipments Installed

SN.	Functionality	Model	Qty.	Status	AMC/Warranty
1	Core Switch	Extreme- X-650	1	Working	No
2	Distribution	Extreme- X-650	3	Working	No
3	Wireless LAN	Extreme - VM 3700	2	Working	No
4	Edge Switch	Extreme X-250	32	Working	No
5	Edge Switch	Cisco 2960	35	Working	No
6	Edge Switch	3 Com	15	Working	No

Existing Layout



Proposed Network Layout



Broad Technical Specifications for Active and Passive Components

Network (Active Components)

Core Switch	
S.No	Description
1	The proposed switch can be chassis based/1U Rack mountable and support non-blocking architecture.
2	The Switch shall have 48x 1/10/25G SFP+ Ports for aggregation and 4x40/100G QSFP28 ports. Each Switch should be loaded with 2 nos. of 100G DAC/Stack cable and 13 nos. of 10G LR SFP+ modules.
3	The switch should have Dual hot-swappable power supplies and atleast 4 fan modules or more.
4	Switch should have at least 3.2 Tbps switching fabric performance and 1000 MPPS forwarding rate or better
5	Operating temperature of 0°C to 40°C
6	The switch should support minimum 80K Mac address and 6000 IP Multicast routes/entries.
7	The switch should support IEEE 802.1s Multiple Spanning Tree, 802.3ad (LACP) for link aggregation, Multi-Chassis LAG with no blocked links.
8	The switch should support VLAN and tagging and support the IEEE 802.1Q standard and 4000 VLANs simultaneously
9	The Multi-Chassis LAG must support both L2 switching and L3 routing with redundant nodes
10	The switch should support 9K Jumbo frames, dual-stack IPv4 and IPv6 interfaces, VRRP for IPv4 and IPv6, 6in4 tunnelling.
11	The switch should support a minimum of 250 VRFs and 50K ARP entries.
12	The switch should support minimum of 15000 IPv4 and 7000 IPv6 routes.
13	The switch should support RA-Guard, DHCP-Guard and ND Inspection for IPv6 First Hop Security
14	The switch should support ECMP and configurable route preference for ECMP path selection.
15	The switch should support RIPv2, OSPFv2 , BGP4, PIM for IPv4 and IPv6 routing, Policy based routing, unicast reverse path forwarding (uRPF) check feature
16	The switch should support route redistribution and ability to specify routes for redistribution using route-maps
17	The switch should support IGMP v1/v2/v3 along with snooping for IPv4 Multicast Groups, MLD along with snooping for IPv6 Multicast Groups, ACLs, 802.1AB Link Layer Discovery Protocol (LLDP), flow based mirroring, RMON.
18	The switch must support both L2 and L3 virtualization
19	The switch should support Traffic prioritization to enable real-time traffic classification into eight priority levels that will mapped to eight queues
20	Should support integrated security features like DHCP snooping with option-82, Dynamic Arp Inspection, IP Source guard
21	Should support AAA. It must support LDAP/ RADIUS / TACACS+ protocol as well.
22	The Switch should secure management interfaces such as SNMPv3, Telnet, SSH, SSL, and Web
23	Switch should support L2 and L3 fabric and all the hardware/software and licenses for fabric orchestration/Controller should be provided from day 1.
24	Switching System should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

Distribution Switch	
S.No	Description
1	Switch should have minimum 24 x 1/10G SFP+ based 10G ports and 2 nos. QSFP+ based 40 GE ports from day1. Switch should have loaded with 10G SFP+ LR/SR as required. Switch should also be capable to deliver maximum up to 28x1/10G SFP+ or 24x1/10G SFP+ with 4x10/25G SFP28 or 4x40G QSFP in future without replacing entire hardware.
2	Switch should have at least 1 Tbps switching fabric performance and 800 MPPS forwarding rate or better
3	Switch should support at least 80K entries in the MAC table and 4000 active user configurable VLANs
4	The switch should support 9K Jumbo frames, dual-stack IPv4 and IPv6 interfaces, VRRP for IPv4 and IPv6, 6in4 tunnelling.
5	Should support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN along with user VLAN, Port mirroring.
6	Should support 802.1D spanning tree control/RSTP support and MSTP Support. Also support spanning-tree portfast for fast convergence, spanning-tree root guard, spanning-tree bpdu guard, bpdu filter or similar functionality.
7	Should support IGMP v1/v2/v3, IGMP Snooping. MLD v1/v2, SNMPv2c/v3, LLDP, VXLAN/tunnelling from day 1
8	Should support console port and telnet/ssh based management.
9	Should support RIPv2, PBR, VRRP v1/v2, OSPFv2/OSPFv3 from day 1 with all required license.
10	Should support routing protocol IS-IS/BGP and advance multicast protocol PIM-DM for future scalability in same hardware
11	Should support minimum 80K for IPv4 routes and 30K for IPv6 routes.
12	Should Support for minimum 256 VLANs SVI or RVI interfaces and 4K Multicast routes/entries.
13	Should Support VRRP, DHCP local server, DHCP relay and DHCP snooping, SNMP, NTP, RADIUS authentication
14	Should support IEEE 802.1Q VLAN, 802.1p priority queues, IEEE 802.1ad, IEEE 802.1ag, 802.1ae.
15	Should support 8 hardware queues per port and shall support ingress policing and egress shaping.
16	Should support Quality Of Service (QoS) features viz.: i) Priority Queue, ii) Class of Service (CoS), iii) Rate Limiting (Bandwidth Control), iv) Strict Priority Queue (SPQ), v) Weighted Round Robin (WRR)
17	The switch must support both L2 and L3 virtualization.
18	Should have dual redundant hot-swappable AC Power Supply 100 to 240 V AC with 50 to 60 Hz without any external adaptors
19	Switch should comply to Operating Temperature range 0°C to 40 °C
20	Switch should have EMI CERTIFICATE of FCC/IC and CE, SAFETY CERTIFICATE of UL, ENVIRONMENTAL of RoHS or equivalent Indian Standard
21	Switch should support L2 and L3 fabric and all the hardware/software and licenses for fabric orchestration/Controller should be provided from day 1.
22	Switching System should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

24 Port POE+ Advance Layer 2/3 Access Switch	
S.No	Description of Specs
1	Switch should have minimum 24 x 1G Base-T POE+ ports and 4 x 1/10G SFP+ ports from day1. Switch should have loaded with 10G SFP+ LR/SR as required.
2	Switch should support POE Power budget of min 370W. It should must support Fast POE and Perpetual POE from day 1. POE support should be based on IEEE 802.3af and 802.3at standard.
3	Switch should have at least 200 Gbps switching fabric performance and 150 MPPS forwarding rate or better
4	Switch should support at least 32K entries in the MAC table and 1000 active user configurable VLANs
5	The switch should support 9K Jumbo frames, dual-stack IPv4 and IPv6 interfaces, VRRP for IPv4 and IPv6, 6in4 tunnelling.
6	Should support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN along with user VLAN, Port mirroring.
7	Should support 802.1D spanning tree control/RSTP and MSTP Support. Also support spanning-tree portfast for fast convergence, spanning-tree root guard, spanning-tree bpdu guard, bpdu filter or similar functionality.
8	Should support IGMP v1/v2/v3, IGMP Snooping. MLD v1/v2, SNMPv2c/v3, LLDP, VXLAN/tunnelling from day 1
9	Should support console port and telnet/ssh based management.
10	Should support RIPng, PBR, VRRP v1/v2, OSPFv2/OSPFv3 from day 1 with all required license.
11	Should support advance multicast protocol BGP, PIM-DM/PIM-BIDIR for future scalability in same hardware
12	Should support minimum 8K for IPv4 routes and 4K for IPv6 routes.
13	Should Support for minimum 200 VLANs SVI or RVI interfaces and 2K Multicast routes/entries.
14	Should Support VRRP, DHCP local server, DHCP relay and DHCP snooping, SNMP, NTP, RADIUS authentication
15	Should support IEEE 802.1Q VLAN, 802.1p priority queues, IEEE 802.1ad, IEEE 802.1ag, 802.1ae.
16	Should support 8 hardware queues per port and shall support ingress policing and egress shaping.
17	Should support Quality Of Service (QoS) features viz.: i) Priority Queue, ii) Class of Service (CoS), iii) Rate Limiting (Bandwidth Control), iv) Strict Priority Queue (SPQ), v) Weighted Round Robin (WRR)
18	The switch must support both L2 and L3 virtualization.
19	Switch should comply to Operating Temperature range 0°C to 45 °C
20	Switch should have EMI CERTIFICATE of FCC/IC and CE, SAFETY CERTIFICATE of UL, ENVIRONMENTAL of RoHS or equivalent Indian Standard
21	Switch should support L2 and L3 fabric and all the hardware/software and licenses for fabric orchestration/Controller should be provided from day 1.
22	Switching System should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

Indoor Access Points	
S.No	Description of Specs
1	Access Points must support Wi-Fi 6 (802.11ax) with tri radios (2.4GHz , 5GHz and hardware/software dedicated sensor) with integrated antenna and required mounting kit .If bidder don't have options of dedicated sensor then they should quote dedicated access point as a sensor in the ratio of 2:1 for better security coverage
2	Must have 2x IEEE 802.3 GE or one smart rate/Multi-gigabit up to 5Gbps auto-sensing port. Access point should have USB support.
3	Access point should support operating temperature of atleast 0 to 40°C
4	Must support minimum 4x4 with four spatial streams (MIMO)
5	Access Point should support minimum 4.8 Gbps or more data rate including both the radio.
6	Access points have Maximum conducted transmit power shall be 18 dBm or more or as per approved by Indian regulatory more on both 2.4 and 5 GHz
7	The access point or the controller should be capable of running a local DHCP Server , Captive Portal with local database authentication.
8	Access points must provide automatic redundancy in case a site controller fails
9	Must have an dynamic or smart -RF management features which allows WLAN to automatically and intelligently adapt to changes in the RF environment
10	The WLAN solution should have comprehensive integrated security features that include layer 2-7 stateful packet filtering firewall including for branch and remote offices.
11	The access point should provide wireless IPS Sensor capabilities, IP filtering, WPA2, WPA3 and NAT support.
12	Wireless solution must provide WIPS, Rogue AP detection, air termination of Rogue APs.
13	WLAN solution should provide features that provides no touch AP discovery, adoption, provisioning
14	WLAN solution should provide features that provides other management functions including firmware push and statistics
15	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility
16	AP should have capability to alert administrator if internet is not usable to end user.
17	Support for Voice-over-wireless LAN (VoWLAN) quality of service (QoS) ensures toll quality, even with many simultaneous calls on a single access point.
18	Access point should be UL2043 - Plenum Rated , 802.3af and 802.3at support.
19	Switching System should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

Outdoor Access Points	
S.No	Description of Specs
1	Access Points must support Wi-Fi 6 (802.11ax) with tri radios (2.4GHz , 5GHz and hardware/software dedicated sensor) with integrated antenna and required mounting kit .If bidder don't have options of dedicated sensor then they should quote dedicated access point as a sensor in the ratio of 2:1 for better security coverage
2	Must have 2x IEEE 802.3 GE or one smart rate/Multi-gigabit up to 5Gbps auto-sensing port. Access point should have USB support.
3	Access point should support operating temperature of atleast -20 to 60 °C
4	Must support minimum 4x4 with four spatial streams (MIMO)

5	Access Point should support minimum 4.8 Gbps or more data rate including both the radio.
6	Access points should have Maximum conducted transmit power shall be 18 dBm or more or as per approved by Indian regulatory more on both 2.4 and 5 GHz
7	The access point or the controller should be capable of running a local DHCP Server , Captive Portal with local database authentication.
8	Access points must provide automatic redundancy in case a site controller fails
9	Must have an dynamic or smart RF management features which allows WLAN to automatically and intelligently adapt to changes in the RF environment
10	The WLAN solution should have comprehensive integrated security features that include layer 2-7 stateful-packet filtering firewall including for branch and remote offices.
11	The access point should provide wireless IPS Sensor capabilities , IP filtering ,WPA2 , WPA3 and NAT support.
12	Wireless solution must provide WIPS, Rogue AP detection ,air termination of Rogue APs .
13	WLAN solution should provide features that provides no touch AP discovery, adoption, provisioning
14	WLAN solution should provide features that provides other management functions including firmware push and statistics
15	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility
16	AP should have capability to alert administrator if internet is not usable to end user.
17	Support for Voice-over-wireless LAN (VoWLAN) quality of service (QoS) ensures toll quality, even with many simultaneous calls on a single access point.
18	Access point should be IP67 , 802.3af and 802.3at support.
19	Switching System should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

Wireless Controller - On Prem	
S.No	Description of Specs
1	Controller should be VM based or hardware based and support HA functionality. For VM based controller deployment, vendor must be quoted with appropriate sizing of Server, VM and Licenses etc.
2	Proposed Controller should have scalability to support upto 2500 AP or more . Controller should support seamless roaming access over L2/L3 network. 672 AP licenses should be provided from day 1
3	Controller should support latest Wi-Fi 6 (802.11ax) technology.
4	Controller should provide air-time fairness between these different speed clients – slower clients should not be starved by the faster clients and faster clients should not adversely affected by slower clients.
5	Controller should feature to detect and mitigate interference from Wi-Fi and non Wi-Fi sources
6	Ability to map SSID to VLAN and dynamic VLAN support for same SSID, Support automatic channel selection for interference avoidance
7	Dynamic RF management that provides the capability to pause channel scanning / adjust RF scanning intervals based on application and load presence

8	Access points can discover controllers across Layer-2 and Layer-3 network, Auto Deployment of AP's at different locations
9	WIRELESS SECURITY: WEP, WPA-TKIP, WPA2-AES, WPA-3, 802.11i ,802.1X, local database, Active Directory, RADIUS, LDAP
10	System should provide safeguard from DOS attacks and Intrusion Detection and termination of Rogue Access Points
11	Should support customized WIPS signatures, detection of Impersonation attack, Decryption failures, Invalid MAC transmission, Fake AP attack, Invalid 802.1x frames, Invalid source and destination address, Ad-Hoc Network Violation etc.
12	Controller should support L2 Client Isolation so user cannot access each other's devices. Isolation should have option to apply on per AP and also per SSID's
13	The controller/System should be able to raise critical alarms by sending an email to IT administrator.
14	Controller should support Web filtering, ACL, 802.1p and DSCP marking, standard based roaming using PMK Caching and 802.11r.
15	Capability to provide preferred access for "fast" clients over "slow" clients (11n vs. 11g) to improve overall network performance
16	System must support Band Steering where 5 Ghz clients are forced to connect over 5Ghz Radio to provide better load balancing among 2.4Ghz and 5Ghz Radios.
17	The controller or solutions should provide a Guest Login portal with voucher based, smtp based, OTP based auth supported, Captive Portal with guest onboarding using Social Media login such as Facebook and Google
18	Switching System should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

Network Monitoring System and Fabric Orchestration Tool	
S.No	Description of Specs
1	NMS should be virtual / hardware-based appliance and from the same OEM providing switching and wireless solution
2	Must quote with device licenses as required from day 1 and should be scalable to support minimum 2500 Devices on the same virtual appliance
3	Must provide centralized management that should be able to manage wired and security components of 3rd party OEM's.
4	Must allow system-level operations such as device discovery, event management, logging and application maintenance to be performed centrally.
5	Must be able to generate valuable, in-depth reports for network inventory for planning purposes, detailed inventory of products organized by device type and centralized history of inventory management operations.
6	Must be able to create correlated topology based on LLDP , SNMP , STP connectivity hierarchy and Ability to group devices into sites or by other criteria and perform operations on the group
7	Must be able to provide organized representation of data collected from device, Archive/backup configuration and support for multiple archives and restore configuration & Compare configuration.
8	Must support the ability to present detailed configuration information including date and time of configuration saves, firmware version, and file size, serial number/asset tag and memory.

9	Must be able to provide history of device attributes, and reports any changes made to the device and also have ability to download firmware to single or multiple devices simultaneously including 3rd party switches.
10	Must have ability to deploy configuration through scripts . custom scripts & Built-in scripts for VLAN Management should be supported, facility to Pre-provision a device connect in network through ZTP.
11	Must provide the capabilities to modify, filter, and create your own flexible views of the network, Must allow for graphing or viewing in table format and multiple MIBs that are user selectable
12	Must provide application visibility, Efficient root cause analysis ,Shadow IT prevention, Real-Time Application Insights, Application Fingerprinting, Rich Contextual Data etc
13	Solution should be able to provide deep packet inspection and application visibility for the entire network.
14	Solution should be able to Gain Layer 4-7 application visibility using Network-based Application Recognition to help identify and improve the performance of business-critical applications
15	Solution should troubleshoot performance problems consistently using detailed flow- and packet-based analytics and also have ability to get actionable business insights and speeding up troubleshooting by separating network from applications
16	Solution support any topology regardless of the number of switches connected and regardless of how they are connected. The tool should be able to identify path taken from source to destination
17	The proposed solution should provide Network infrastructure hierarchy visualization for fault impact.
18	The tool should be able to provide visibility of services/applications configured on specific switches in the fabric, schedule routine device configuration back-ups.
19	Must be able to write Python scripts to integrate with IoT solutions and Ability to configure customizable workflows to automate tasks
20	Orchestration tool/Fabric manager/NMS should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

AAA/NAC	
S.No	Description of Specs
1	Dedicated virtual/Physical Appliance. Should be supplied with 5000 AAA (Endpoint System) licenses and scalable up to 12K endpoints. Vendor should provide Server with required compute resources with VM/Hardware for the installation
2	Should be able to integrate with all makes of manageable network devices which are capable of supporting open standards based protocols required for NAC operation
3	Must provide Network Access Control and visibility in single pane of glass for the entire infrastructure from day 1 spread across multiple Network Locations / Zones
4	Detect and protect any device with IP address without the need for a client application on each endpoint including detection of VoIP phones, printers, wireless devices, machinery, cameras, sensors or other various profiles.
5	Able to build Interactive topology maps to locate the end systems per network connectivity and support event logging of Device Access and Activity Time Stamp.
6	Device search functionality by attributes such as user name / OS type / IP- MAC address / System Name.

7	Must support automated onboarding and self registration of all IP end points. Must also offer the option of sponsorship capabilities to validate guest registration without involvement of IT staff.
8	Must Support location based Registration portals to redirect Users entering through common location to different portals for different Network Zones and Must support automated context based policy provisioning of network services for mobile devices.
9	Support Management Access Authentication and Authorization for Network Device Access and also support IPv6 for NAC implementation in networks with IPv6 end systems.
10	Support Manipulation of Radius Attributes for Authentication as well as Radius Accept and provide capability to bind together the username, IP address and MAC address, and physical port of each endpoint for forensic analysis
11	The AAA/NAC solutions must be able to seamlessly integrate with the NMS.
12	Must be able to interact with network security devices and push template based automated response to security events and thus remediating real time threats.
13	Must provide open APIs for integration with third party applications, user customizable reports creation, event logs for the entire infrastructure of Network devices.
14	Must provide easy-to-use dashboards and detailed 360 view of the end systems attached or trying to attach to the network.
15	Must provide the ability for analysts to be able to easily tailor the dashboard views to present the information in their preferred format.
16	Should be capable of reporting for historical and real-time data. Should be equipped with Custom report designer to meet the needs of specific data attributes and periodic email of the same to relevant Administrative team.
17	Must allow IT administrators to easily define a number of pre-configured network policies, and designate select personnel to activate/deactivate these policies as appropriate.
18	Must Support location based Registration portals to redirect Users entering through common location to different portals for different Network Zones.
19	AAA/NAC should be quoted with Direct OEM TAC Support and Warranty for 3 years with Advanced Hardware Replacement and Support contract must be shared/Submit with DCRUST.

Network (Passive Components)

6 Core Singlemode (9/125µm) G652 Fiber optic Cable

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	6 Core Singlemode (9/125µm) G652 Fiber optic Outdoor Cable
3	Cable	6 Core Single Mode Uniloose Tube, Single Sheath, Fiber cable is perfectly suited for both gigabit Ethernet and 10 gigabit Ethernet campus and backbone applications
4	Application	Cable are perfectly suited for both gigabit Ethernet and 10 gigabit Ethernet campus and backbone applications.
5	Outer Sheath	UV Resistance LSZH Jacket / Black
6	No. of Tube / Tube diameter	1 / 3.2 ± 0.1 mm
7	Water Blocking Material	Water Blocking Yarns

8	Loose Tube Construction	Std. plywood reel: Uniloose Tube, individually colour coded optical fibres as per Global Standards
9	Cable Specifications	Fiber Color / Fibers per Tube : Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
		Cable diameter: 9.0 ± 0.5 mm

10	Optical Properties	Core Non-circularity: ≤ 6 %
		Cladding Diameter: 125.0 ± 0.7 μm
		Core/cladding Concentricity Error: ≤ 0.5 μm
		Cladding Non-circularity: ≤ 0.7 %
		Primary Coating Diameter: 245±10 μm
		Coating/cladding Concentricity Error: ≤ 12 μm
		Attenuation Co-efficient
		1310 Wavelength (nm) : ≤ 0.36 dB/km
		1550 Wavelength (nm) : ≤ 0.23 dB/km
		Chromatic dispersion :
		1285 ~ 1330nm ≤ 3.5ps/(nm·km)
		1550nm ≤ 18 ps/(nm·km)
		Cutoff Wavelength ≤ 1260 nm
		PMDQ (Quadrature average*) : ≤ 0.20 ps//km½
		MFD : 8.6 ± 0.4 μm at 1310nm
		MFD : 9.6 ± 0.5 μm at 1550nm
		Zero dispersion slope : ≤ 0.092ps/(nm²·km)
		Zero dispersion wavelength : 1300~1324nm
13	Temperature Range	Storage Temperature Range: -20°C to +70°C
		Installation Temperature Range: -20°C to +70°C
		Operating Temperature Range: -20°C to +70 °C
14	Physical Properties	Complies to ANSI/TIA-568.3-D, ITU-T G652.D, Telcordia GR-20, IEC 60794-2, ISO/IEC 11801.
		Cable Bend Radius : 20 x Cable Diam.
		Cable Kink Radius : 10 x Cable Diam.
		Cable Max. Tensile Strength (Short Term) : 2000 N
		Cable Max. Crush Resistance (Short Term) : 2000 N / 100mm
15	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU

1U Rack Mount Fiber Enclosure (LIU) including Splice Trays and Adapter Strips

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	

2	Type	1U Rack Mount Fiber Enclosure (LIU) including Splice Trays and Adapter Strips
3	Fiber Interface Unit	Fiber Patch Panel Typically used in Server rooms, Network rooms, Data Centres and Small offices Can be mounted directly on any 19" rack or cabinet. It should be able to accommodate a variety of Fiber connectors and terminated to fiber cables using Splicing or other methods.
4	Type	Fiber LIU should be 1U or 2U (1.75"), 19 Inch Rack Mount.
		12/24/48 in 1U and 96 Port should be available in 2U Rack Mount LIU respectively
		LC Type Connectors will be required.
5	Features & Compatibility	Each 1U LIU should be able to accommodate max 48 fibers in LC type connectors.
		12/24 Fiber Splice trays should be included with LIU.
		Each 1U panel should take either two or four adapter plates and allow customized patch panel design.
		Universal Optical fiber adapter strips shall provide the connecting interface between two optical fiber connectors.
		Adapter Strips should be preloaded with adapters/couplers Simplex/Duplex.
		Couplers in adapter strip should be Blue Colored
		Adapter strips should be available for both Single-mode and Multimode.
		Adapter strips should be available in LC/SC/ST types.
6	Material	Panel should be available in SPCC (Cold rolled steel sheet) and Aluminum Material
7	Standards	Complies to Single Mode (ANSI/TIA-568.3-D, Telcordia GR-326-CORE, Telcordia GR-1221-CORE, ISO/IEC 11801, IEC 61754 & IEC 61300 series), Multi Mode (ANSI/TIA-568.3-D, IEC 61300-3-4, IEC 61300-3-6, IEC 60874-1, ISO/IEC 11801)
8	Dimensions	483 x 290 x 44.4 mm (1U) / 483 x 250 x 88.90 mm (2U)
9	Pigtails Type	Singlemode / Multimode
10	Insertion Loss	SM : ≤0.3dB / MM : ≤0.3dB
11	Return Loss	SM : ≥55dB (UPC) / MM : ≥28dB (PC)
12	Ferrule Material	Zirconia Ceramic
15	Operating Temperature	-40 °C to +60 °C
16	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

Pigtail, LC Type , Singlemode OS2, 1.5 MT

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	Optical Fiber Pigtail LC - Simplex, Singlemode OS2, 1.5 Mtr, Yellow Color
3	Feature	These are Bend insensitive fibers and suitable for internal use only.

4	Standard	Optical Fiber Pigtail should comply with ANSI/TIA-568.3-D, ITU-T G.657.A1 (Compatible with G.652.D), IEC 61300-3-4, IEC 61300-3-6, IEC 60874-1, Telcordia GR-326 standards
5	Jacket	LSZH jacket, meets IEC-60332-1 (LSZH) flame rating for standard safety compliant
6	Insertion Loss	≤0.15 dB
7	Return Loss	≥ 65 dB (APC)
8	Ferrule Material	Zirconia Ceramic
9	Operating Temperature	-20°C to +60 °C
10	Regulatory Compliances/Certifications	Passive OEM offered must be present in India with it's office and manufacturing unit as well.
		All passive products from single OEM & should be manufactured as per latest TIA/EIA or ISO/ IEC standard and have 25 years of channel performance and 5 Years component warranty and be a member of TIA.
12	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

Fiber Patch Cords, LC-LC Duplex, Singlemode OS2, 3MT

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Features	<p>LC-LC OS2 LSZH Patch cord</p> <p>Meets all TIA/EIA-568-C.2 Standard. The patch cord comes in many variations in terms of fibers, cables and connectors.</p> <p>constructed from high performance OS2 9/125 μm singlemode cable</p> <p>Small diameter, lightweight, easy to connect and support large capacity data transmission.</p> <p>The aramid fiber is deployed to enhance the tensile strength of optical cable, which is more suitable for long distance cable.</p> <p>Patchcords shall have LC Uniboot connectors, with reversible polarity feature without exposing fiber during the changeover process</p> <p>Outer jacket material has the advantages of waterproof, flame retardant and environmental protection.</p>
3	Fiber Count	2
4	Tight Buffer Fiber OD	0.9 \pm 0.05 mm
5	Aramid Yarn	Aramid Yarns acting as strength member to protect the fiber cores.
6	Minimum bending radius(mm)	20D(short Term), 10D(Long Term)
7	Environmental Characteristics	
a	Operating Temperature	-20 °C +60 °C

48 Core Fiber Optic Splice Closure

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	48 Core Fiber optic mechanical splice closure
3	Feature	<p>It can be placed in aerial, wall mounted, or duct mounted locations.</p> <p>Advanced internal structure design</p> <p>UV Stable, compact and lightweight.</p> <p>Fully mechanical – no heat shrinks</p> <p>Integrated pressure valve</p> <p>Easy to re-enter, it never requires re-entry kits.</p>

		Elastic seal fitting, easy for future capacity upgrades and re-enters.
		Well-engineered, injection-molded outer body makes it impenetrable to the elements
		Insert plates and fixing bolts are used for proper mounting
4	Type	Cylindrical
5	Max. Splice Capacity	144F
6	Cable Entry/Exit	5 (4 round & 1 oval cable)
7	Splice Tray	24F * 6 Nos
8	Sealing Type	Mechanical
9	Ingress Protection	IP68 Rated
10	Enclosure Dimension	230 X 450 mm
11	Splice Tray Material	Aluminum + ABS
12	Body Material	ABS Plastic body

CAT6 U/UTP LSZH CABLE

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	CAT6 U/UTP LSZH Cable
3	Type	23 AWG solid bard copper, Unshielded Twisted 4 Pair, Category 6, confirming to ANSI-TIA 568-C.2 for Category 6 & ISO/IEC 11801 for Class E.
4	Conductors	Solid bare copper 23 AWG (0.555 ± 0.005)
5	Pair Separator	+ Shape Spline
6	Packing	Box of 305 meters
7	Cable Outer Diameter	5.9 ± 0.2 mm
8	Delay Skew	< 45 ns
9	Conductor Resistance	≤ 93.8 Ω/km @ 20°C
10	Pulling Force	110N
11	Nom. Velocity of Propagation	65%
12	Temperature Range Storage	-20 °C to +70 °C
13	Flame Properties	Flammability Test : IEC 60332-1
		Acid Gas Emission Test : IEC 60754-1
		Smoke Density Test : ASTM 2843
14	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

CAT6 UTP ECCS Armoured Cable

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	Category 6 UTP ECCS Tape Armored Cable
3	Type	23 AWG solid bare Electrolytic Grade Copper Conductors, Unshielded Twisted 4 Pair, PE inner jacket, Electrolytic Chrome-coated Corrugated Steel Tape Armoring covered with PE Outer Sheath. Category 6, confirming to ANSI-TIA 568.2-D for Category 6 & ISO/IEC 11801 for Class E.
4		Supports Gigabit Ethernet (1000BaseT) standard requirement for Applications such as High Speed Data, Voice & Video Signals over LANs, Server Farms and Other Bandwidth Sensitive Outdoor Applications.
5	Conductors	Solid bare copper 23 AWG
6	Pair Separator	+ Shape Spline
7	Packing	Box of 305 meters
8	Cable Outer Diameter	10.2 + 0.3 mm
9	Outer Sheath	PE
10	Outer Sheath Color	Black
11	Delay Skew	< 45 ns
12	Conductor Resistance	$\leq 93.8 \Omega / \text{km}$
13	Mutual Capacitance	<5.6nF/100m
14	Resistance Unbalance	5% Max
15	Capacitance Unbalance	330 pF/100 m
18	Nom. Velocity of Propagation	69%
19	Temperature Range Operation	-20 °C to +70 °C
20	Temperature Range Installation	0 °C to +50 °C
21	Maximum propagation delay @250MHz	490ns/90m
22	Performance characteristics @ 250 & 70 Mtrs	Max. Attenuation : 35.9 dB/90m
		Min. NEXT : 33.1 dB
		Min. PS NEXT : 30.2 dB
		Min. Return Loss: 8 dB
		Min. ACR-F : 15.3 dB
		Min. PSACR-F : 12.3 dB
23	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

24 Port, 1U Category 6 Angled Patch Panel, Unloaded

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	24 Port, 1U Angled Patch Panel, Unloaded - 1U
3	Features	1U high universal modular 19" panel for mounting UTP keystone jacks.
		Possibility of mounting up to 24 RJ45 tool-less unshielded keystone jacks
		Integrated cabling shelf for securing cables using cable ties
4	Panel Port Function	Patch panels Ports should be individually replaceable & Consistent port-to-port performance
5	Cable management	Angled Patch Panel with integrated rear cable management bar
6	Compatibility	Patch Panel should be able to accept Cat6 and Cat5e information outlets for backward and forward compatibility
7	Height	1U (1.75")
8	Storage Temperature Range	-20Deg C to +70 Deg C
9	Operating Temperature range	-10Deg C to +60 Deg C
10	Color and Material	Metal SPCC, Black, plastic inserts, Double layer - 1.5mm, provided with mini cable ties, cage nuts & rare cable management.
11	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

Cat6 Modular Jack, Keystone Style

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	CAT6 Unshielded Modular Jack
3	Type	Modular Jacks shall meet and exceed channel specification of ANSI/TIA 568-C.2, IEC/ISO 11801 & IEC 60603-7-41 when used as a component in a properly installed UTP channel.
4	Housing Material	High impact Fire Proof ABS UL94V-0
5	Front Connection	RJ 45 : PCB, 50μ Phosphor bronze gold over nickel plating contacts
6	IDC Connector	Phosphor bronze , Tin-plating contacts
7	Termination Interface	Front Mated Connection: 750 Cycles
		Rear Mated Connection: 200 Cycles
9	Jack wire material and thickness	0.35mm Phosphor bronze gold over nickel plating
10	IDC Conductor	0.5mm Phosphor bronze , Tin-plating
14	Contact Compatibility	Accommodates 22 to 26AWG solid
15	Termination Pattern	TIA / EIA 568 A and B

16	Storage Temperature :	-40° to +60°C
17	Electrical Performance	Insulation Resistance : $\geq 500\text{m}\Omega$
		Contact Resistance : $\leq 10\text{m}\Omega$
		Current rating : 1.5 Amps
18	Regulatory Compliances	Passive OEM offered must be present in India with it's office and manufacturing unit as well.
		All passive products from single OEM & should be manufactured as per latest TIA/EIA or ISO/ IEC standard and have 25 years of channel performance and 5 Years component warranty and be a member of TIA.
		Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

Cat6 Unshielded LSZH Patch Cords for Work Stations & Rack End

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	CAT6 Unshielded LSZH Patch Cord Cable
3	Type	Modular Cord shall meet and exceed channel specification of ANSI/TIA 568-C.2, ISO/IEC 11801 Class E & IEC 61156-6 Standard.
4	Conductor	Flexible Stranded Bare Copper, 24 AWG
5	Insulation / Diameter	PE (0.98 \pm 0.05 mm)
6	Feature	Transparent Strain Relief easy latch-cover boot design for easy depression
		Backward compatible for easy integration with any network component that uses a RJ45 connection
7	Length	2 / 3 / 5 Meter & Customized length
8	Connectors	High Grade 50 μ gold plated RJ45 Connectors
9	Conductor Material	Stranded Bare Copper
10	Storage Temperature Range :	-20 °C to +70°C
11	Sheath Material	LSZH
12	Cable Diameter	5.9 \pm 0.3mm
13	Electrical Specification :	Conductor DC Resistance : 14 Ω / 100m
		Resistance Unbalance : 50m Ω
		Impedance : 100 Ω \pm 15%
		Frequency : 250MHz Maximum
		Insulation Resistance (Max) : 376 Ω /Km
		Delay Skew : 45ns/100m
14	Performance	Patch Cords which will give guaranteed higher bandwidth will be preferred.
15	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

Face Plate, White Color, Square with Shutters

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	with Built-in Dust Covers / Shutters
3	Material	Fire-retardant Plastic, ABS + PC, White color, UK Style.
4	Acceptability	Should be able to accept Cat6A, Cat6 and Cat5e information outlets, Modules, Keystone and Adaptors to suit all installation requirements
6	Compliance	ANSI/TIA 568-C.2; ISO/IEC 60603-7
7	Mounting screws	Include mounting screws and Label Holders with Plastic covers
8	Available	Single/Dual/Quad network faceplate
9	Dimensions	(H x W x D) 86 x 86 x 14.42 mm
10	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

Back Box for Face Plate

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	Back Box for Faceplate
3	Material	White High impact plastics.
4	Entry	Adjustable cable entries
5	Dimensions	38 x 87 x 87 mm
6	Compatible	Back box allows for mounting a various ports of Faceplates
7	RoHS Compliant	Compliant as per RoHS Directive 2011/65/EU and (EU) 2015/863

Cat6A Field Mount Modular RJ45 Plug

As per latest RDSO/TEC specification or as per specification as under:

S. No.	Parameter	Specification
1	Make	
2	Type	Category 6A Field Terminate RJ45 Plug with rotatable head
3	Standards	Cat6A Field Mount Plug complies to Complies to EN 50173 & ISO/IEC 11801; Permanent Link & Channel ANSI/TIA-568.2-D; AS/NZS 11801.1:2019
4	Termination	Developed under MPLT and designed for use on Solid cable assemblies and strand conductors of sizes from AWG 23 through AWG 26 (max. insulation: 1.27 OD)
5	Housing Material	Zinc – alloy fully shielded
6	Plug Contact	0.35mm phosphor bronze
7	Contact Area	Gold over nickel plating
8	IDC Contact	0.4mm phosphor bronze, Sn over nickel plating
9	Features	Fire retardant thermal plastic UL94-V0
		360 degree shielding for better EMI/EMC

		Qualified Screened Class 6A Component
		Insertion Cycles : > 500
10	Plug Contact	RJ 45 : PCB, 50μ Phosphor bronze gold over nickel plating contacts
11	IDC Connector	Phosphor bronze , Sn over nickel plating contacts
12	Power over Ethernet - Applications	PoE+ type I & II IEEE 802.3at IEC 60512-99-001 (2012-08) IEC 60512-9-3 (2011-06)
13	Operating Temperature Range	-20 °C to +60°C
14	Storage Temperature Range :	-20 °C to +60°C

Velcro Tie

S. No.	Parameter	Specification
1	Make	
2	Type	19" Velcro Reusable Ties are perfect for organising your cables and cords at home or in the office.
3	Feature	They are soft, adjustable and easy to use.
		Ideal for securing and sorting the cable mess behind your computer, television and stereo.
		They can also be used to wrap around appliance cords and extension leads for a tidy storage solution.
		A safe and reusable alternative to cable ties, tapes and wires.
		Suitable for use on cords of all sizes and small everyday household objects.

Rack Mount 1kVA UPS System

SN	Specifications	Requirement
1	Capacity (in kVA / kW)	1kVA/0.9kW 1-Phase Input / 1-Phase Output
2	Technology and Capability	a) True Online configuration with double conversion UPS & Zero transfer time. b) DSP based control with advanced technology. c) Generator compatibility with cold start and AC start features. d) Automatic bypass to transfer the load on mains due to overload & internal fault. e) ECO mode should be available in the UPS.
3	Model Name & Number	
3.1	1kVA /0.9kW	Make / Model / Part No to be specified by the vendor
4	Input	

4.1	Input Voltage Range	80-280VAC Range (Full Load) 175~280VAC Range (50 ~ 100% load is required) 80~175VAC
4.2	Nominal Input Frequency	50/60Hz \pm 10Hz
4.3	Input Frequency Range	40 to 70 Hz
4.4	Input Power Factor	> 0.99(@ full resistive load)
4.5	Input Protection	Should be provided at the input of the UPS suitable for the full rated capacity of the UPS.
5	Output	
5.1	Nominal Output voltage	200/208/220/230/240 VAC
5.2	Output Voltage Regulation	\pm 1% for linear load
5.3	Nominal Output Frequency	50/60 Hz
5.4	Output Frequency Regulation	\pm 0.1Hz
5.5	Output Frequency Slew Rate	< 1Hz/sec
5.6	Output Wave Form	Pure sine wave
5.7	Output Voltage Distortion (THDu)	< 3% for linear load & < 5% for non-linear load.
5.8	Crest Factor	3:1 On Full Load (Minimum)
5.9	Output Short circuit Protection	Electronic Protection
6	Transfer Time	
6.1	Transfer Time (Mode of operation)	Zero ms from Mains mode to Battery Mode Zero ms from Battery Mode to Mains mode
6.2	Transfer Time (Inverter to Bypass / Bypass to Inverter)	< 4ms
6.3	Automatic Bypass switch	UPS should be capable of automatic change over to bypass.
7	Efficiency (At Nominal Voltage & Resistive Load up to kW rating of UPS)	
7.1	Overall Efficiency (AC to AC) - Online (Double Conversion)	Upto 91% (at 100% load)
8	Overload	
8.1	Inverter Overload capacity	<105% : continous ; 105% ~ 125%: 1 minutes; 120% ~ 150%: 30 seconds; >150%: 0.5 seconds only
9	Display Panel (In-build LC Display & LED)	
9.1	Measurements (On LCD)	Input Voltage & Frequency,Bypass,Output Voltage & frequency,Kilowatt,kVA, ECO mode,Battery & Load Level Indicator, Ambient temperature & Event code.
9.2	Fault Indication (On LCD)	Charger warning, Fan fault, Temperature out of Range,+/-DC bus High/Low, Inverter Fault,DC-DC fault, abnormal output/Inverter voltage, output short circuit, charger fault, overload shutdown, battery low shutdown.
9.3	Setable data	Inverter Voltage, Inverter Frequency, Standby bypass, ECO, Bypass Range, Buzzer, Battery Capacity, Battery String, & Overload alarm
10	Battery Backup / Battery Bank & Charger	
10.1	Batteries	2no * 42AH * 12V
11	Interfaces	
11.1	USB Port should be available (Mandatory)	There should be provision for USB port also in the UPS.
11.2	RS232 Port should be available (Mandatory)	There should be provision for RS232 port also in the UPS.
12	Restart / Testing Capability	

12.1	Cold Start	UPS should start up On AC Supply (Mains) without DC Supply (Batteries) On DC Supply (Batteries) without AC Supply (Mains)
12.2	Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown
12.3	Self Diagnosis	UPS should be capable to carry out self test of Rectifier / Charger / Battery & Inverter module during start-up
13	Physical	
13.1	Operating Temperature	0 to 40 deg C
13.2	Storage Temperature	-15 to 50 deg C
13.3	Operating Humidity	5% ~ 95%RH (No Condensing)
13.4	Operating Altitude	0-1000m
13.5	Type of Cooling	Forced Air
13.6	Noise Level	< 40 dbA at 1 meter distance
13.7	Form Factor	Rack/Tower mountable
14	Surge Protection	UPS to be supplied with external surge protection of 10kA having below specifications.
		a) Response Time (L-N) <= 25ns. b) Response Time (N-G) <= 100ns. c) Nominal Operating Voltage 120 - 240VAC (1 phase, 2W+G. d) Maximum Continuous Operating Voltage (MCOV) 320VAC.
15	Certifications	
15.1	Manufacturer	QMS: As per ISO 9001: 2015 EMS: As per ISO 14001: 2015 OSHAS: As per ISO 18001: 2007 EMS: As per ISO 14064-1:2012 TL:- TL 9000 Factory calibration lab of manufacturer shall be NABL accredited in India. OEM Turnover should not be less than 500 Crores per year in last 3 financial years.
15.2	Product Safety Certifications (Mandatory)	BIS Certification
15.3	Product Safety Certifications (Mandatory)	CE Certification
15.4	Product Safety Certifications (Mandatory)	RoHS Certification

Rack Mount 2kVA UPS System

Sr. No.	Specifications	Requirement
1	Capacity (in kVA / kW)	2kVA/1.8 kW 1-Phase Input / 1-Phase Output

2	Technology and Capability	a) True Online configuration with double conversion UPS & Zero transfer time. b) DSP based control with advanced technology. c) Generator compatibility with cold start and AC start features. d) Automatic bypass to transfer the load on mains due to overload & internal fault. e) ECO mode should be available in the UPS.
3	Model Name & Number	
3.1	1kVA /0.9kW	Make / Model / Part No to be specified by the vendor
4	Input	
4.1	Input Voltage Range	80-280VAC Range (Full Load) 175~280VAC Range (50 ~ 100% load is required) 80~175VAC
4.2	Nominal Input Frequency	50/60Hz \pm 10Hz
4.3	Input Frequency Range	40 to 70 Hz
4.4	Input Power Factor	> 0.99(@ full resistive load)
4.5	Input Protection	Should be provided at the input of the UPS suitable for the full rated capacity of the UPS.
5	Output	
5.1	Nominal Output voltage	200/208/220/230/240 VAC
5.2	Output Voltage Regulation	\pm 1% for linear load
5.3	Nominal Output Frequency	50/60 Hz
5.4	Output Frequency Regulation	\pm 0.1Hz
5.5	Output Frequency Slew Rate	< 1Hz/sec
5.6	Output Wave Form	Pure sine wave
5.7	Output Voltage Distortion (THDu)	< 3% for linear load & < 5% for non-linear load.
5.8	Crest Factor	3:1 On Full Load (Minimum)
5.9	Output Short circuit Protection	Electronic Protection
6	Transfer Time	
6.1	Transfer Time (Mode of operation)	Zero ms from Mains mode to Battery Mode Zero ms from Battery Mode to Mains mode
6.2	Transfer Time (Inverter to Bypass / Bypass to Inverter)	< 4ms
6.3	Automatic Bypass switch	UPS should be capable of automatic change over to bypass.
7	Efficiency (At Nominal Voltage & Resistive Load up to kW rating of UPS)	
7.1	Overall Efficiency (AC to AC) - Online (Double Conversion)	Upto 91% (at 100% load)
8	Overload	
8.1	Inverter Overload capacity	<105% : continous ; 105% ~ 125%: 1 minutes; 120% ~ 150%: 30 seconds; >150%: 0.5 seconds only
9	Display Panel (In-build LC Display & LED)	
9.1	Measurements (On LCD)	Input Voltage & Frequency,Bypass,Output Voltage & frequency,Kilowatt,kVA, ECO mode,Battery & Load Level Indicator, Ambient temperature & Event code.

9.2	Fault Indication (On LCD)	Charger warning, Fan fault, Temperature out of Range, +/-DC bus High/Low, Inverter Fault, DC-DC fault, abnormal output/Inverter voltage, output short circuit, charger fault, overload shutdown, battery low shutdown.
9.3	Setable data	Inverter Voltage, Inverter Frequency, Standby bypass, ECO, Bypass Range, Buzzer, Battery Capacity, Battery String, & Overload alarm
10	Battery Backup / Battery Bank & Charger	
10.1	Batteries	4nos * 42AH * 12V
11	Interfaces	
11.1	USB Port should be available (Mandatory)	There should be provision for USB port also in the UPS.
11.2	RS232 Port should be available (Mandatory)	There should be provision for RS232 port also in the UPS.
12	Restart / Testing Capability	
12.1	Cold Start	UPS should start up On AC Supply (Mains) without DC Supply (Batteries) On DC Supply (Batteries) without AC Supply (Mains)
12.2	Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown
12.3	Self Diagnosis	UPS should be capable to carry out self test of Rectifier / Charger / Battery & Inverter module during start-up
13	Physical	
13.1	Operating Temperature	0 to 40 deg C
13.2	Storage Temperature	-15 to 50 deg C
13.3	Operating Humidity	5% ~ 95%RH (No Condensing)
13.4	Operating Altitude	0-1000m
13.5	Type of Cooling	Forced Air
13.6	Noise Level	< 40 dbA at 1 meter distance
13.7	Form Factor	Rack/Tower mountable
14	Surge Protection	UPS to be supplied with external surge protection of 10kA having below specifications.
		a) Response Time (L-N) <= 25ns. b) Response Time (N-G) <= 100ns. c) Nominal Operating Voltage 120 - 240VAC (1 phase, 2W+G. d) Maximum Continuous Operating Voltage (MCOV) 320VAC.
15	Certifications	
15.1	Manufacturer	QMS: As per ISO 9001: 2015 EMS: As per ISO 14001: 2015 OSHAS: As per ISO 18001: 2007 EMS: As per ISO 14064-1:2012 TL:- TL 9000 Factory calibration lab of manufacturer shall be NABL accredited in India. OEM Turnover should not be less than 500 Crores per year in last 3 financial years.
15.2	Product Safety Certifications (Mandatory)	BIS Certification
15.3	Product Safety Certifications (Mandatory)	CE Certification

15.4	Product Safety Certifications (Mandatory)	RoHS Certification
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Rack Mount 5kVA UPS System

Sr. No.	Specifications	Requirement
1	Capacity (in kVA / kW)	5kVA/5kW 1-Phase Input / 1-Phase Output
2	Technology and Capability	a) True Online configuration with double conversion UPS b) DSP based technology with reduction in electronic components. c) Fully rated power (kVA=kW) for maximum power availability. d) Possibility of enhancing UPS capacity / redundancy by operating UPS in N+X Parallel Redundant Configuration(PRS). e) UPS should be designed at Rated PF of 1 i.e. 5kVA /5kW UPS rating. f) UPS should have IGBT topology for both PFC (power factor correction) and inverter. g) Output terminal for critical & non critical loads. h) Fan failure/life prediction & Speed control. i) Battery Aging Detection
3	Model Name & Number	
	5kVA / 5kW	Make / Model / Part No to be specified by the vendor
4	Input	
4.1	Input facility -Phases / Wires	1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground)
4.2	Input Voltage Range	100 - 280V AC 100 ~ 175V with linear de-rating 50 ~ 100%
4.3	Nominal Input Frequency	50 / 60 Hz (Auto selectable)
4.4	Input Frequency Range	40 to 70 Hz
4.5	Input Power Factor	> 0.99 on Full Load
4.6	Input Current Harmonic Distortion (THDi)	< 3% on full load
4.7	Generator Compatibility	Compatibility to genset supply required
4.8	Input Protection (Thru In-built 1P MCB)	Should be provided at the input of the UPS suitable for the full rated capacity of the UPS
5	Output	
5.1	Nominal Output voltage	200/ 208/ 220/ 230/ 240VAC (Selectable)
5.2	Output Voltage Regulation	±1%(linear load)
5.3	Nominal Output Frequency	50 / 60 Hz
5.4	Output Frequency Regulation	+/- 0.05 Hz
5.5	Output Frequency Slew Rate	< 1 Hz / s
5.6	Output Wave Form	Pure sine wave
5.7	Output Voltage Distortion (THDu)	< 2% (For Linear load)
5.8	Crest Factor	3 : 1 On Full Load (Minimum)
5.9	Output Short circuit Protection	Electronic / Fused

6	Transfer Time	
6.1	Transfer Time (Mode of operation)	Nil from Mains mode to Battery Mode Nil from Battery Mode to Mains mode
6.2	Transfer Time (Inverter to Bypass / Bypass to Inverter)	< 4 ms
6.3	Automatic & Bi-directional static bypass (In-built)	Should be provided to take care of uninterrupted transfer of load from Inverter to bypass (under overload / fault conditions) & automatic retransfer from bypass to inverter (on removal of overload / fault conditions)
7	Efficiency (At Nominal Voltage & Resistive Load up to kW rating of UPS)	
7.1	Overall Efficiency (AC to AC) - Online (Double Conversion)	> upto 95.5% (On Full R Load)
7.2	Overall Efficiency (AC to AC) - ECO Mode (Bypass feeding the load under normal conditions)	> upto 99 % (On Full R Load)
8	Overload	
8.1	Inverter Overload capacity	≤ 105%: continuous; 106 ~ 125%, 5 min.; 126 ~ 150%, 1 min.; > 150%: 500ms
9	Display Panel (In-built LC Display & LED)	
9.1	Measurements (On LCD)	Input: Voltage / Frequency, Bypass: Voltage / Frequency, Output: Voltage / frequency/current, Load level & percentage, Battery Voltage, Capacity, Charge Mode, Last battery test time.
9.2	Fault Indication (On LCD)	Fault codes are available
9.3	Indications (LED)	AC indicator/Battery Mode of Operation / Bypass feeding the load / UPS Fault
10	Alarms	
10.1	Audible Alarms	Battery Low beep / DC Fault beep/ UPS Overload beep/ o/p short ckt fault beep/ Shutdown beep
11	Battery Backup / Battery Bank & Charger	
11.1	Backup Required	16 nos * 26AH * 12V
11.2	Battery Bank Voltage	192 V DC
11.3	Batteries Type	Sealed Maintenance Free (SMF) - 12V Cells
11.4	Battery Makes	Amara Raja / Exide / HBL / Amco / Rocket
11.5	Minimum Charger Rating (In-built chargers will be preferred over external chargers)	The charger should be able to deliver charging current equivalent to 10% of Battery Ah rating offered. (In case of external chargers, suitable monitoring of the chargers should be provided in the UPS. Also all external chargers taking AC input must have PFC - Power factor correction)
11.6	Charger type / Charging Method & Charging Voltages	3 stage superior charging with intermission stage Float Voltage: 13.7 per battery minimum Boost Voltage: 14.0 per battery minimum
11.7	Battery recharge time (After complete discharge) to 90% capacity	8-10 hours
11.8	Battery Housing (Vendor to provide the GA drawings of the offered Battery Rack)	Should be compact and space saving MS steel open racks complete with interconnectors
11.9	Battery End Cell	1.75 VPC

	Voltage	
12	Interfaces	
12.1	RS485 Port	Available
12.2	USB/RS232 Port	Available
12.3	Dry contact	Available
12.4	REPO(Remote Emergency Power OFF) / ROO(Remote ON - OFF) Port	Provide both onsite & remote EPO to shutdown UPS when emergency situation happens. REPO Port with a user-supplied switch
12.5	SNMP	Monitors and controls the status of the UPS via a network system. (OPTIONAL)
13	Restart / Testing Capability	
13.1	Cold Start	UPS should start up On AC Supply (Mains) without DC Supply (Batteries) On DC Supply (Batteries) without AC Supply (Mains)
13.2	Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown
13.3	Self Diagnosis	UPS should be capable to carry out self test of Rectifier / Charger /Battery & Inverter module during start-up
14	Physical	
	Operating Temperature	0 to 40 deg C
14.1	Storage Temperature	-15 to 55 deg C
14.2	Operating Humidity	5% ~ 95%RH (No Condensing)
14.3	Operating Altitude	1000 m.a.s.l (meters above sea level)
14.4	Type of Cooling	Forced Air
14.5	Noise Level	< 48 dbA at 1 meter distance
14.6	Form Factor	Rack & Tower mountable
14.7	Air Filters	UPS should have internal anticorrosion air filters for dust filtration (optional)
14.8	Dimension (w x d x h) in mm	440 X 508 X 88.2
14.9	Weight - in kg	11
14.10	Standard Package of UPS to include the following minimum accessories	<ol style="list-style-type: none"> 1. UPS 2. Bracket Ear for UPS 1 SET 3. Tower Stand 4 Pcs 4. Pluggable terminal 2 Pcs 5. UPS to Battery bank connecting Cable 6. User Manual 7. Parallel Cable 8. USB cable 9. Screw 10. Stand off 11. Cord End Terminal 12. Cable tie
16	Certifications	

16.1	Manufacturer	<p>QMS: As per ISO 9001: 2015</p> <p>EMS: As per ISO 14001: 2015</p> <p>OSHAS: As per ISO 18001: 2007</p> <p>EMS: As per ISO 14064-1:2012</p> <p>TL:- TL Factory calibration lab</p> <p>of manufacturer shall be NABL accredited in India.</p> <p>OEM Turnover should not be less than 500 Crores per year in last 3 financial years.</p>
16.2	Product Safety Certifications (Mandatory)	<p>EN 50091-2:1995, Class A</p> <p>ESD:IEC61000-4-2: level4</p> <p>RS : IEC61000-4-3: level3</p> <p>EFT: IEC61000-4-4:level4</p> <p>SURGE: IEC61000-4-5:level4</p> <p>CS: IEC61000-4-6: level3</p> <p>Conducted Magnetic Field:IEC61000-4-8: level3</p>
16.3	ROHS & CE	UPS should be ROHS & CE complied
16.4	BIS certificate	Available