



RailTel Corporation of India Limited
1-10-39 to 44, 6A, 6th Floor, Gumidelli Towers,
Begumpet Airport Road, Opp. Shoppers Stop,
Begumpet Hyderabad – 500016.
T : +91 11 22900600, F : 27820682

RailTel CORPORATION OF INDIA LIMITED
(A Govt. of India Undertaking)
रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का एक उपक्रम)

Invites open e tender.

ELECTRONIC TENDER DOCUMENT

FOR

“Supply of Switches, SFPs, and Patch Cords as per Technical Specification”

खुली-E-निविदा न. GEM/2024/B/4947110 dated 22-05-2024

OPEN E- Tender No. GEM/2024/B/4947110 dated 22-05-2024

Due for opening on: 12-06-2024.

रेलटेल
RAILTEL



रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड
1-10-39 to 44, 6A, 6th फ्लोर, गुमिडेवी टावर्स,
वेगमपेट एयरपोर्ट रोड, ओप्प। घोप्पेर्स स्तोप,
वेगमपेट हैदराबाद – 500016.
T: +91 11 22900600, F: 27820682

E-TENDER No. GEM/2024/B/4947110 dated 22-05-2024

RailTel Corporation of India Limited invites open tender for the Supply of Switches, SFPs, and Patch Cords as per Technical Specification.

a)	E-निविदा downloading की शुरुआती तिथि	22-05-2024
b)	E-निविदा दस्तावेज प्रस्तुति अंतिम तारीख एवं समय	12-06-2024 15:00 बजे तक (Online)
c)	E-निविदा दस्तावेज को खोला जाना	12-06-2024 15:30 बजे (Online)
d)	अनुमानित निविदा की कीमत	Rs. 83,55,857/- (All Inclusive)
e)	धरोहर राशि (ईएमडी) #	Rs. 1,67,200.

निविदा दस्तावेजों और ईएमडी की लागत में छूट के लिए, खंड 6.4 अध्याय 6 पढ़ें।

नोट:- निविदा सूचना और निविदा दस्तावेज वेबसाइट www.railtelindia.com तथा e-Tendering Portal GeM Portal पर उपलब्ध रहेंगे जिसे निविदाकर्ता डाउनलोड कर सकते हैं लेकिन निविदा केवल इ-टेंडरिंग द्वारा e-Tendering portal GeM Portal पर ONLINE ही स्वीकार कि जाएँगी। निविदाकर्ता को E-निविदा जमा कराने के लिए GeM Portal से एक अधिकृत इ-दस्तावेज डाउनलोड करना आवश्यक है. Corrigendum /addendum /amendments सम्बंधित जानकारी केवल e-Tendering portal GeM Portal पर ही उपलब्ध होंगी. जाएँगी। रेलटेल कार्यालय से निविदा प्रलेख की मुद्रित प्रति नहीं बेची जाएगी। बोलीदाता तैयारी, बोली की तैयारी/प्रस्तुति/ भागीदारी से संबंधित सभी लागतों को वहन करेगा। रेलटेल किसी भी तरह से आचरण या परिणाम की उदासीनता से इन लागतों के लिए जिम्मेदार या उत्तरदायी नहीं होगा।

S/d
GGM/POM/SR

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E-TENDER No. GEM/2024/B/4947110 dated 22-05-2024

RailTel Corporation of India Limited invites open tender e-bids from RDSO approved manufacturers for the Supply of Switches, SFPs, and Patch Cords as per Technical Specification

a)	Opening date of Tender downloading	22-05-2024
b)	Last date and time of submission date of e-bid	12-06-2024 up to 15:00 (Online)
c)	Opening of e-bid	12-06-2024 up to 15:30 (Online)
d)	Approximate Cost of Tender	Rs. 83,55,857/- (All Inclusive)
e)	Earnest Money (EMD) #	Rs. 1,67,200.

For exemption of cost of Tender Documents and EMD, read the Clause 6.4 Chapter 6.

नोट:- निविदा सूचना और निविदा दस्तावेज वेबसाइट www.railtelindia.com तथा e-Tendering Portal GeM Portal पर उपलब्ध रहेंगे जिसे निविदाकर्ता डाउनलोड कर सकते हैं लेकिन निविदा केवल इ-टेंडरिंग द्वारा e-Tendering portal GeM Portal पर ONLINE ही स्वीकार कि जाएँगी। निविदाकर्ता को E-निविदा जमा करने के लिए GeM Portal से एक अधिकृत इ-दस्तावेज डाउनलोड करना आवश्यक है। Corrigendum /addendum /amendments सम्बंधित जानकारी केवल e-Tendering portal GeM Portal पर ही उपलब्ध होंगी। जाएगी। रेलटेल कार्यालय से निविदा प्रलेख की मुद्रित प्रति नहीं बेची जाएगी। बोलीदाता तैयारी, बोली की तैयारी/प्रस्तुति/ भागीदारी से संबंधित सभी लागतों को वहन करेगा। रेलटेल किसी भी तरह से आवरण या परिणाम की उदासीनता से इन लागतों के लिए जिम्मेदार या उत्तरदायी नहीं होगा।

Note: Tender Notice and Tender Document are available on RailTel's website and can be downloaded from www.railtelindia.com or from the e-Tendering Portal GeM Portal. For online bid submission the tenderer will have to download an official online copy of the tender documents from e-Tendering Portal GeM Portal. All future Information viz. corrigendum/ addendum/ amendments etc. for this Tender shall be posted on the e-Tendering Portal only. Printed copy of Tender document will not be sold from RailTel office. The bidder shall bear all costs associated with the preparation, submission/participation in the bid. RailTel in no way will be responsible or liable for these costs regardless of the conduct or outcome.

S/d
 GGM/POM/SR



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Chapter-I
Schedule of Requirements

SN	DESCRIPTION OF MATERIALS	UNIT	Qty
1	Supply of 10 port (2 optical & 8 electrical port) 120-Watt POE switch Make such as Netgear/D-Link/Edgecore or similar reputed make	Nos	26
2	Supply of access switch with 4 - 1G SFP port and 24 port 10/100/1000 base Tx - DGS - 3000 - 28L AC & - power supply (AC+AC)	Nos	107
	Supply of access switch with 4 - 1G SFP port and 24 port 10/100/1000 base Tx - DGS - 3000 - 28L AC & - 48V DC (both power supply in redundant mode) switch (AC+DC)	Nos	4
3	Supply of 24 ports 10/100/1000Mbps + 4 10G ports smart Pro switch(DGS-1510-28X) AC power supply	Nos	9
4	Switch layer 2 Managed with 24 Nos 1G SFP Port and 4 nos 10G SFP+ Ports D-Link DGS3000-28XS with AC & -48V DC Power supply (AC+DC)	Nos	64
	Switch layer 2 Managed with 24 Nos 1G SFP Port and 4 nos 10G SFP+ Ports D-Link DGS3000-28XS with AC Power supply (AC+AC)	Nos	7
	Switch layer 2 Managed with 24 Nos 1G SFP Port and 4 nos 10G SFP+ Ports D-Link DGS3000-28XS with - 48V DC Power supply (DC+DC)	Nos	3
5	Layer-3 Distribution Switch (Similar to WD-GS-48G2Q4Q28) with Redundant AC Power Supply	Nos	5
6	Supply of 10G ME Switches (similar to Juniper EX3400 switch)	Nos	1
7	SFP 1X GigE ELECTRICAL SFP (1000 BaseTx)	Nos	95
8	1G SFP-BX Single Fiber 10KM	Nos	19
9	1G SFP BiDi 40KM	Nos	26
10	10G SFP+ BiDi 40KM	Pairs	26
11	10G SFP+ BiDi 60KM	Pairs	25
12	10G SFP+ BiDi 80KM	Pairs	21
13	Supply of optical patch cords with SCPC-SCPC/LCPC or vise versa connectors (1 Mtr length)	Nos	300
14	Patch Cord LC-SC(3 Mtrs)	Nos	40
15	Patch Cord LC-LC(3 Mtrs)	Nos	4
16	Patch Cord LC-LC(5 Mtrs)	Nos	339
17	Patch Cord LC-SC(5 Mtrs)	Nos	477
18	Patch Cord LC-LC(10 Mtrs)	Nos	300

- Note:
1. Table is indicative. The rates quoted on GEM PORTAL will be taken as base. Successful bidder needs to provide the rate break up as per above Table.
 2. Total Cost should be All Inclusive (Including loading/unloading charges, etc.).

CHAPTER 2
BID DATA SHEET

Reference	Description
Tender Notice	Name of work: Supply of Switches, SFPs, and Patch Cords as per Technical Specification
Clause 6.16, Chapter-6	Validity of offer 60 days (Sixty days only) from the date of opening of tender.
Clause 8.28 Chapter-8	Warranty 5 Years for Switches and 3 years for SFPs/Patch Cords from the date of receipt and acceptance of material at consignee.
Clause 3.2, Chapter-3	Delivery Schedule The supply should be completed within 45 days from the date of issue of GeM Contract.
Clause 3.3, Chapter-3	<p>Technical Eligibility Criteria</p> <p>The tenderer 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>Three similar supplies each costing not less than the amount equal to 30% (i.e., Rs. 25,06,757/-) of advertised value of the tender,</p> <p style="text-align: center;">or</p> <p>Two similar supplies each costing not less than the amount equal to 40% (i.e., Rs. 33,42,343/-) of advertised value of the tender,</p> <p style="text-align: center;">or</p> <p>One similar supply each costing not less than the amount equal to 60% (i.e., Rs. 50,13,514/-) of advertised value of the tender.</p> <p>Offers not accompanied by copies of POs and supplies completion certificate (user certificate in the format of Form no.1) will not be considered.</p> <p>Meaning of Similar Work: Supply of Switches, SFPs, Patch Cords.</p>
Clause 3.4, Chapter-3	<p>Financial Eligibility Criteria</p> <p>The bidder should have minimum cumulative turnover from operation in the previous three financial years and the current financial year, at least 150% (i.e., Rs. 1,25,33,786/-) of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be attested.</p> <p>Certificate from the concerned department / client or Audited Balance Sheet, Trading account and P&L duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet. The contact details of CA/Statutory Auditor along with UDIN No. shall be mandatorily mentioned on copy of certified Balance Sheet/Certificate.</p> <p>Note: Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.</p>
Clause 7.2, Chapter-7	Purchaser's Right to Vary Quantities The purchaser reserves the right to increase the order quantity by a quantity not exceeding 30% of the ordered quantity on the same price and terms and conditions during the currency of the contract, with suitable delivery schedule for the enhanced quantity.

Reference	Description
Clause 6.4, Chapter-6	<p>Earnest Money Deposit (EMD)/ Bid Security: Rs. 1,67,200.00/- through payment online through RTGS / internet banking in Beneficiary name RailTel Corporation of India Limited Account No. 33946516594, IFSC Code SBIN0020299, Bank Name: State Bank of India, Branch address: Veer Chambers, Ranga Reddy District, Begumpet – 500016. The Bid received without EMD will be summarily rejected.</p> <p>EMD/Bid security to be submitted by all tenderers, subject to the following exemptions:</p> <ol style="list-style-type: none"> Tender cases of value up to Rs. 5 Lakhs. Micro and Small Enterprises (MSEs) registered under UDYAM Registration. Startups recognized by Department of Promotion of Industry and Internal Trade (DPIIT). <p>Note 1: In case the tenderer falls in these categories, the bidder should furnish a certified copy of its valid registration details and Bid Security Declaration (as per Form VI)</p> <p>Note 2: Firms registered with UDYAM certification for the tendered item / work is exempted from submission of EMD. Firms claiming for the above exemptions under UDYAM certification have to submit supporting documents. UDYAM Certificate with category as Traders are not eligible for EMD exemption.</p>
Tender Notice	<p>Last date of submission (online) Date: 12-06-2024 Time: 15:00 Hrs.</p>
Tender Notice	<p>Date of opening of tender (online) Date: 12-06-2024 Time: 15:30 Hrs.</p> <p>Public Online Tender Opening Event (TOE) through e-Tendering portal of GEM PORTAL.</p>

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Chapter 3
SPECIAL TENDER CONDITIONS

3.1 The Tenderer shall quote Total all Inclusive Rate on C.I.P. destination basis clearly indicating the breakup of rates, applicable duties, and taxes, etc. as detailed in the offer form. Freight and Insurance charges have to be quoted for each state/UT of India.

3.2 Delivery Period/Delivery Schedule: -

The supply should be completed within **45 days** from the date of issue of GeM Contract.

3.3 Technical Eligibility Criteria-

The tenderer 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:

Three similar supplies each costing not less than the amount equal to 30% (i.e., Rs. 25,06,757/-) of advertised value of the tender,

or

Two similar supplies each costing not less than the amount equal to 40% (i.e., Rs. 33,42,343/-) of advertised value of the tender,

or

One similar supply each costing not less than the amount equal to 60% (i.e., Rs. 50,13,514/-) of advertised value of the tender.

Offers not accompanied by copies of POs and supplies completion certificate (user certificate in the format of Form no.1) will not be considered.

Meaning of Similar Work: Supply of Switches, SFPs, Patch Cords.

3.4 Financial Eligibility Criteria: -

The bidder should have minimum cumulative turnover from operation in the previous three financial years and the current financial year, at least 150% (i.e., Rs. 1,25,33,786/-) of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be attested.

Certificate from the concerned department / client or Audited Balance Sheet, Trading account and P&L duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet. The contact details of CA/Statutory Auditor along with UDIN No. shall be mandatorily mentioned on copy of certified Balance Sheet/Certificate.

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

3.5 Bill passing and paying authority: Bill Passing Officer is GM/TM Respective Territory of Region & bill paying officer are Associated Finance of regions.

3.6 Deleted.

3.7 Discharge of tender: The purchaser reserves the right to discharge the tender in case Cartel is suspected or the tender/contract is not found to be advantageous/reasonable for RailTel.

3.8 Entry tax/toll tax: The tenderers should not merely quote Entry tax or Toll tax etc. extra as the rates quoted without specific rates will not be considered, and if the same becomes applicable, the same have to be borne by the suppliers. Therefore, if the tenderers desire to claim such charges, they should quote specific rate of tax or duty.

3.9 Firm to indicate make-model-brand offered, if any.

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

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

In case of any wrong information submitted by tenderer, the contract shall be terminated. Performance Guarantee (PG) of contract forfeited and agency barred for doing business on RailTel (RCIL) for 3years.

3.11 Bill Tracking System (BTS) Clause:

Vendors are advised to submit their bills through bill tracking system (<https://bts.rcil.gov.in/Home>) of RailTel for their payment.

3.12 Constitution of Firm and Power of Attorney:

1. Any individual(s) signing the tender or other documents connected therewith should specify whether he is signing: -
 - (a) As sole proprietor of the concern or as attorney of the sole Proprietor.
 - (b) As partner or partners of the firm.
 - (c) As a Director, Manager or Secretary in the case of Limited Company duly authorized by a resolution passed by Board of Directors or in pursuance of the authority conferred by Memorandum of Association.
2. In the case of a firm not registered under the Indian Partnership Act, all the partners or the attorney duly authorized by all of them should sign the tender and all connected documents. The original Power of Attorney or other documents empowering the individual or individuals to sign should be furnished to the Purchaser for verification, if required.
3. The RailTel will not be bound by Power of Attorney granted by the tenderer or by the changes in the composition of the firm made subsequent to the execution of the contract agreement.
4. In case where Power of Attorney partnership deed has not been executed in English, the true and authenticated of copies of the translation of the same by Advocate, authorized translators of Courts and licensed Petition Writers should be supplied by the contractor(s), while tendering of the work.
5. The duly notarized Power of Attorney shall be submitted in original at the time of bid submission as per clause above.

Note:

- 1) The bidder is required to give acceptance of all the clauses of Tender document. Any deviation / non-acceptance may lead to rejection of the bid.
- 2) Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com and GeM Portal only.
- 3) After opening of the technical bid no correspondence/submission of document made at the initiative of the bidder will be entertained. However, the purchaser can, if required, ask for clarifications which need to be submitted before a target date. The clarifications submitted as required by the purchaser before the target date will be considered.

3.13 Consignee:

SN	DESCRIPTION OF MATERIALS	UNIT	Qty	Contact Person	Bill To and Ship To Address
1	Supply of 10 port (2 optical & 8 electrical port) 120-Watt POE switch Make such as Netgear/D-Link/Edgecore or similar reputed make	Nos	26	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897 RailTel Corporation of India Limited, OFC Telecom room, Malur Digital, Microwave Malur Railway station, Maur Kolar District - 563170

SN	DESCRIPTION OF MATERIALS	UNIT	Qty	Contact Person	Bill To and Ship To Address
2	Supply of access switch with 4 - 1G SFP port and 24 port 10/100/1000 base Tx - DGS - 3000 - 28L AC & -power supply (AC+AC)	Nos	107	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220 RailTel Corporation of india Ltd,4th Floor, 275E, Southern Railway, Egmore, Chennai, Tamil Nadu, 600008.
	Supply of access switch with 4 - 1G SFP port and 24 port 10/100/1000 base Tx - DGS - 3000 - 28L AC & -48V DC (both power supply in redundant mode) switch (AC+DC)	Nos	4	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
3	Supply of 24 ports 10/100/1000Mbps + 4 10G ports smart Pro switch(DGS-1510-28X) AC power supply	Nos	1	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
			8	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
4	Switch layer 2 Managed with 24 Nos 1G SFP Port and 4 nos 10G SFP+ Ports D-Link DGS3000-28XS with AC & -48V DC Power supply (AC+DC)	Nos	37	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897 RailTel Corporation of India Limited, OFC Telecom room, Malur Digital, Microwave Malur Railway station, Maur Kolar District - 563170
			20	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220 RailTel Corporation of india Ltd,4th Floor, 275E, Southern Railway, Egmore, Chennai, Tamil Nadu, 600008.
			7	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
	7	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076		
	3	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076		
5	Layer-3 Distribution Switch (Similar to WD-GS-48G2Q4Q28) with Redundant AC Power Supply	Nos	5	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220 RailTel Corporation of india Ltd,4th Floor, 275E, Southern Railway, Egmore, Chennai, Tamil Nadu, 600008.
6	Supply of 10G ME Switches (similar to Juniper EX3400 switch)	Nos	1	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897 RailTel Corporation of India Limited, OFC Telecom room, Malur Digital, Microwave

SN	DESCRIPTION OF MATERIALS	UNIT	Qty	Contact Person	Bill To and Ship To Address
					Malur Railway station, Maur Kolar District - 563170
7	SFP 1X GigE ELECTRICAL SFP (1000 BaseTx)	Nos	19	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
			31	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897	Mahesh Kumar Gupta - Sr. Manager/SBC, Mobile No: +91 90080 32897 RailTel Corporation of India Limited, OFC Telecom room, Malur Digital, Microwave Malur Railway station, Maur Kolar District - 563170
			45	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
8	1G SFP-BX Single Fiber 10KM	Nos	19	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
9	1G SFP BiDi 40KM	Nos	26	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
10	10G SFP+ BiDi 40KM	Pairs	8	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
			18	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
11	10G SFP+ BiDi 60KM	Pairs	7	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
			18	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
12	10G SFP+ BiDi 80KM	Pairs	21	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016

SN	DESCRIPTION OF MATERIALS	UNIT	Qty	Contact Person	Bill To and Ship To Address
13	Supply of optical patch cords with SCPC-SCPC/LCPC or vice versa connectors (1 Mtr length)	Nos	300	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220 RailTel Corporation of india Ltd,4th Floor, 275E, Southern Railway, Egmore, Chennai, Tamil Nadu, 600008.
14	Patch Cord LC-SC(3 Mtrs)	Nos	40	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
15	Patch Cord LC-LC(3 Mtrs)	Nos	4	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
16	Patch Cord LC-LC(5 Mtrs)	Nos	155	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220 RailTel Corporation of india Ltd,4th Floor, 275E, Southern Railway, Egmore, Chennai, Tamil Nadu, 600008.
			184	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
17	Patch Cord LC-SC(5 Mtrs)	Nos	134	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
			155	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220 RailTel Corporation of india Ltd,4th Floor, 275E, Southern Railway, Egmore, Chennai, Tamil Nadu, 600008.
			188	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888	Sh Suresh OA, Sr. Manager/ERS/RailTel - 9746769888 RailTel Corporation of India Limited, SSE/Tele Office, First Floor, Telecom Center, Ernakulam Junction Railway Station, Ernakulam District, Kerala - 682016
18	Patch Cord LC-LC(10 Mtrs)	Nos	20	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642	S Chaitanya Kumar - Sr. Manager/Stores, Mobile.No: +91 91009 70642 RAILTEL CORPORATION OF INDIA Ltd., Plot No.A-6/4, Road No.11 & 5, IDA Nacharam, HYDERABAD, Telangana - 500076
			280	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220	Rohit Sharma, Sr. Manager/MAS - +91 90031 44220 RailTel Corporation of india Ltd,4th Floor, 275E, Southern Railway, Egmore, Chennai, Tamil Nadu, 600008.

Chapter 4
Technical specification

Annexure-I

1. Technical Specifications of 10 Ports PoE Switch – 2 x 1G SFP Port and 8 x 10/100/1000 Mbps ports:

Technical Specifications of 10 Ports PoE Switch – 2 x 1G SFP Port and 8 x 10/100/1000 Mbps ports (such as Netgear/D-Link/Edgecore or similar reputed make)	
1	Should have minimum 8 GE ports.
2	Should have minimum 2 nos. SFP based 1 GE ports.
3	Should have at least 20 Gbps switching fabric
4	Should support port Trunking of at least 2 nos. 1GE ports.
5	Should support 802.3af and 802.3at
6	Should support PoE of 8 ports
7	Switch should have minimum POE power budget of 75 watts
8	Switch should support IEEE 802.3ad, IEEE 802.3az standards
9	Should support transceiver Digital Diagnostic Monitoring for optical ports.
10	Should support Auto MDI-II/MDI-X uplink for all the twisted pair ports.
11	Should support for 802.3x flow control.
12	Should support at least 8000 entries in the MAC table.
13	Should support at least 4000 active VLANs.
14	Should support jumbo frame (9000 Byte or above)
15	Should support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN along with user VLAN
16	Should support LLDP or similar functionality.
17	Should support port mirroring.
18	Switch should support IPv6.
19	Should support 802.1D spanning tree control/RSTP support and MSTP Support
20	Should support spanning-tree port fast for fast convergence or similar functionality.
21	Should support spanning-tree root guard or similar functionality.
22	Should support spanning-tree bpdu guard, bpdu filter or similar functionality.
23	Should support DHCP snooping
24	Should support ITU-T G.8032 Ethernet Ring Protection designed for loop protection and fast convergence times (sub 50 Ms) in ring topologies
25	Should be Ethernet OAM compliant with IEEE 802.3ah/Y.1731.
26	Should support IGMP v1/v2/v3 and IGMP Snooping
27	Should support security features Broadcast, Multicast and Unicast Storm Control
28	Should support security features DoS Attack Prevention
29	Should support console port and telnet/ssh based management.
30	Should support management features viz. Web-based GUI, SNMP, Syslog, NTP, RFC 2138 RADIUS
31	Should support Dual Images
32	Should support 802.1Q VLAN, 802.1p priority queues.
33	Should support Layer 2 QoS
34	Should support Strict Priority Queue, Weighted Round Robin (WRR), Rate Limiting (Bandwidth Control) or equivalent
35	Should have AC Power Supply 100 to 240 V AC with 50 to 60 Hz without any external adaptors
36	Switch should comply to Operating Temperature range 0°C to 50 °C
37	Switch to be mounted on a 19-Inch rack. All accessories required for this mounting should be supplied.
38	Switch should Surge Protection On Power Input -- 2.0 kV On Ethernet Port -- 1.0 kV
39	Switch should have EMI CERTIFICATE of FCC/IC and CE
40	Switch should have SAFETY CERTIFICATE of UL
41	Switch should have ENVIRONMENTAL of RoHS
42	Note:- In the specification wherever support for a feature has been asked for, it will mean that the feature should be available without RailTel requiring any other hardware/software/licenses. Thus, all hardware/software/licenses required for enabling the support/feature shall be included in the offer.

2. Technical Specifications of Access Switch with 4 X 1G SFP port and 24 x 10/100/1000 Mbps ports AC & -48V DC (both power supply in redundant mode) switch:

Technical Specification of Access Switch with 4 X 1G SFP port and 24 x 10/100/1000 Mbps ports AC & -48V DC (both power supply in redundant mode) switch (Similar to DGS-3000-28L)	
Interface	
Size	19-inch standard rack-mount width. 1U height
Interfaces	24 x 10/100/1000 Mbps ports 4 x SFP ports
Console Port	RJ-45 Console Port
Port Standards & Functions	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3x Flow Control for full-duplex mode, auto-negotiation
Network Cables	UTP Cat. 5, Cat. 5e (100 m max.); EIA/TIA-568 100-ohm STP (100 m max.)
Full/Half-duplex	Half/full-duplex for 10/100 Mbps and full-duplex for 1000 Mbps speeds
Media Interface Exchange	Auto or configurable MDI/MDIX
Performance	
Switching Capacity	56 Gbps
Forwarding Method	Store-and-forward
MAC Address Table Size	Up to 16K entries per device
MAC Address Update	Up to 512 static MAC entries
Maximum 64-byte Max. Packet Forwarding Rate	41.67 Mpps
Packet Buffer	1.5 MB
LEDs	
Power (per device)	✓
Redundant Power Supply (RPS) (per device)	✓
Console (per device)	✓
Link/Active/Speed (per port)	✓
Physical/Environmental	
MTBF	635,099 hours
Heat Dissipation	60.1 BTU/h
Power Input	AC Input: 100 to 240 VAC 50/60 Hz & -48V DC (both power supply in redundant mode)
Maximum Power Consumption	17.6 W
Standby Power Consumption	10.1W/100V 10.6W/240V
Dimensions (W x D x H)	440 x 210 x 44 mm (17.32 x 8.27 x 1.73 in)
Weight	2.00 kg (4.41 lb)
Power Surge Protection	All Ethernet ports support IEC61000-4-5 6 kV surge protection
Operating Temperature	-5 to 50 °C (23 to 122 °F)
Storage Temperature	-20 to 70 °C (-4 to 158 °F)
Operating Humidity	0% to 95% non-condensing
Storage Humidity	0% to 95% non-condensing
EMI	CE, FCC, C-Tick, VCCI, BSMI
Safety Certifications	cUL, CB
The OEM /supplier should comply that the equipment offered will be available for a minimum of 7 years from the date of purchase. i.e., 'End of life support'	
OEM/supplier should offer a warranty of 5 years from the date of purchase.	

3. Technical Specification of 24 ports 10/100/1000Mbps + 4 10G ports smart Pro switch AC power supply:

Technical Specification of 24 ports 10/100/1000Mbps + 4 10G ports smart Pro switch AC power supply (Similar to DGS-1510-28X)	
Interface	
Size	19" standard rack width, 1U height
Interfaces	24 x 10/100/1000 Mbps 4 x 10G SFP+
Port Standards & Functions	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3ae 10 Gigabit Ethernet IEEE 802.3x Flow Control for full-duplex mode, auto-negotiation
Network Cables	UTP Cat. 5, Cat. 5e (100 m max.) EIA/TIA-568 100-ohm STP (100 m max.)
Full/Half-duplex	Full/half-duplex for 10/100 Mbps and full-duplex for 1000 Mbps speed
Media Interface Exchange	Auto or configurable MDI/MDIX
Performance	
Switching Capacity	128 Gbps
Forwarding Method	Store-and-forward
MAC Address Table Size	Up to 16,384 entries per device
MAC Address Update	Up to 512 static MAC entries Enable/disable auto-learning of MAC addresses
Maximum 64-byte Max. Packet Forwarding Rate	95.24 Mpps
Packet Buffer	1.5 MB per device
MTBF	516,593 hours
LEDs	
Power/Stacking ID/Fan (per device)	✓
Link/Activity/Speed (per 10/100/1000 Mbps port)	✓
Link/Activity/Speed (per Gigabit SFP port)	✓
Link/Activity/Speed (per 10G SFP+ port)	✓
Physical/Environmental	
AC Input	100 to 240 VAC 50/60 Hz internal universal power supply
Maximum Power Consumption	22.3W
Standby Power Consumption	15.2W
Fans	2 x Smart fans
Acoustics	42.7 dB(A)
Heat Dissipation	76.04 BTU/hr
Operating Temperature	-5 to 50 °C (23 to 122 °F)
Storage Temperature	-20 to 70 °C (-4 to 158 °F)
Operating Humidity	0% to 95% non-condensing
Storage Humidity	0% to 95% non-condensing
Dimensions (W x D x H)	440 x 210 x 44 mm (17.36 x 8.26 x 1.73 in)
Weight	2.40 kg (5.29 lbs)
Certifications	CE, FCC, C-Tick, VCCI, BSMI, CCC, IPv6 Ready Logo Phase 2
Safety	cUL, CB
The OEM /supplier should comply that the equipment offered will be available for a minimum of 7 years from the date of purchase. i.e., 'End of life support'	
OEM/supplier should offer a warranty of 5 years from the date of purchase.	

4. Technical Specification of Distribution Switch with 24 Nos 1G SFP Port and 4 nos 10G SFP Ports with AC & -48V DC Power supply:

Technical Specification of Distribution Switch with 24 Nos 1G SFP Port and 4 nos 10G SFP Ports with AC & -48V DC Power supply (Similar to DGS-3000-28XS)	
Interface	
Size	19-inch standard rack-mount width. 1U height
Interfaces	24 x SFP ports 4 x 10G SFP+ ports
Console Port	RJ-45 Console Port
Port Standards & Functions	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3ae 10G Ethernet IEEE 802.3x Flow Control for full-duplex mode, auto-negotiation
Network Cables	UTP Cat. 5, Cat. 5e (100 m max.); EIA/TIA-568 100-ohm STP (100 m max.)
Full/Half-duplex	Half/full-duplex for 10/100 Mbps and full-duplex for 1000 Mbps speeds
Media Interface Exchange	Auto or configurable MDI/MDIX
Performance	
Switching Capacity	128 Gbps
Forwarding Method	Store-and-forward
MAC Address Table Size	Up to 16K entries per device
MAC Address Update	Up to 512 static MAC entries
Maximum 64-byte Max. Packet Forwarding Rate	95.24 Mpps
Packet Buffer	1.5 MB
LEDs	
Power (per device)	✓
Redundant Power Supply (RPS) (per device)	✓
Console (per device)	✓
Link/Active/Speed (per port)	✓
Fan Error	✓
Physical/Environmental	
MTBF	574,974 hours
Acoustic	47.8 dB(A)
Heat Dissipation	157.94 BTU/h
Power Input	AC Input: 100 to 240 VAC 50/60 Hz & -48V DC Power supply
Maximum Power Consumption	53.4 W
Standby Power Consumption	13.0W/100V 13.5W/240V
Dimensions (W x D x H)	440 x 210 x 44 mm (17.32 x 8.27 x 1.73 in)
Weight	2.10 kg (4.63 lb)
Ventilation	2 x Smart Fan
Power Surge Protection	All Ethernet ports support IEC61000-4-5 6 kV surge protection
Operating Temperature	-5 to 50 °C (23 to 122 °F)
Storage Temperature	-20 to 70 °C (-4 to 158 °F)
Operating Humidity	0% to 95% non-condensing
Storage Humidity	0% to 95% non-condensing
EMI	CE, FCC, C-Tick, VCCI, BSMI
Safety Certifications	cUL, CB
The OEM /supplier should comply that the equipment offered will be available for a minimum of 7 years from the date of purchase. i.e., 'End of life support'	
OEM/supplier should offer a warranty of 5 years from the date of purchase.	

5. Technical Specification of Layer-3 Distribution Switch with Redundant AC Power Supply:

Technical Specification of Layer-3 Distribution Switch with Redundant AC Power Supply (Similar to WD-GS-48G2Q4Q28)	
Interface	48 x 10GE/GE SFP+ Ports, 2 x 40GE QSFP+ ports, 4 x 100GE/40GE QSFP28 Ports
Console	1RJ45 console, 1 MGMT
BACKPLANE	1920Gbps
FORWARDING RATE	1440 Mpps
CHASSIS (Dimensions) (WxDxH) (mm)	442x404x44
CHASSIS (Weigth) (KG)(empty)	8.8
PACKAGE (Dimensions) (WxDxH) (mm)	616x488x140
PACKAGE (Weigth) (KG)	10
POWER CONSUMPTION (no-load)	102W
POWER CONSUMPTION (full-load)	147W
POWER SUPPLY AC: 100V- 240V, (hot-swap) 50Hz+10%	2
Power status monitoring	Support
Total output BTU (1000BTU/H=293W)	501.71
Fan number	4
Noise@25 C(dBA)	57
MTBF(H)	> 100,000
Forwarding mode	Store-forward
Flash (MB)	2048
DRAM (MB)	2048
MAC	65K
Jumbo (MB)	9K
Routing table (IPv4)	36K
Routing table (IPv6)	36K
ARP table (IPv4)	4K
ARP table (IPv6)	4K
Total SVI	1K
VLAN	4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN
Spanning Tree	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP), BPDU guard, root guard and loopback guard
Multicast	.PIM-SIM, PIM-DM, IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter
Protocol	Static routing, RIP v1/v2, OSPF, BGP, PBR, ECMP, BFD for OSPF
IPv6	ICMPv6, DHCPv6, ACLv6 and Ipv6 Telnet, Ipv6 neighbor discovery, path MTU discovery, MLD V1/V2, MLD snooping, Ipv6 Static Routing, RIPng, OSPFv3, BGP4+, Manual tunnel, ISTAP tunnel, 6 to 4 tunnel
MPLS	Multi-VRF
QoS	CAR, HQoS, MAC/IP/TCP/UDP/VLAN/COS/DSCP/TOS based QoS, 802.1P/DSCP priority re-labeling, SP, WRR, "Tail-Drop, WRED, flow monitoring and traffic shaping
Security	Port isolation, Port security and "IP+MAC+Port" binding, MAC, IEEE802.1x radius and BDTacacs+ L2/L3/L4 ACL flow identification and filtration Anti-Attack from DDoS, TCP's SYN Flood, UDP Flood, etc. Broadcasting/ multicast/unknown, unicast storm control, Md5, SHA-256, RSA-1024, AES256
Reliability	Static/ LACP link aggregation, Interface backup

Technical Specification of Layer-3 Distribution Switch with Redundant AC Power Supply (Similar to WD-GS-48G2Q4Q28)	
	Dedicated - stacking EAPS and ERPS URPF, LLDPISU VRRP 1+1 power backup
Management	Console, Telnet, SSH v1/v2, HTTP HTTPS, SNMP v1/v2/v3, RMON TFTP, FTP, SFTP NTP, SPAN, RSPAN
Environment	Operating temperature/humidity: 0° to 50° C, 10% to 90% non-condensing Storage temperature/humidity: -20° to 70° C, 5% to 90% non-condensing
Certification	CE, FCC, ROHS
SFP/SFP+	The switch should support MSA compliant SFPs and SFP+s to offer interoperability with other OEMs.
Note:- In the specification wherever support for a feature has been asked for, it will mean that the feature should be available without RailTel requiring any other hardware/software/licenses. Thus, all hardware/software/licenses required for enabling the support/feature shall be included in the offer.	

6. Technical Specification of ME L3 Switch (Similar to Juniper EX3300):

Technical Specification of ME L3 Switch (Similar to Juniper EX3300)	
Interface	24 x 10/100/1000 Base-T Ports 4 x 10GbE SFP+/SFP Ports 2 x 40GbE QSFP+ ports
Dimensions (W x H x D)	Base unit: 17.36 x 1.72 x 13.78 in (44.1 x 4.37 x 35 cm) With power supply installed: 17.36 x 1.72 x 15.05 in (44.1 x 4.37 x 38.24 cm) With power supply and front module installed: 17.36 x 1.72 x 15.19 in (44.1 x 4.37 x 38.58 cm)
Backplane	160 Gbps (with QSFP+ ports) or 80 Gbps (with SFP+ ports) Virtual Chassis interconnect to link up to 10 switches as a single logical device
Uplink	Fixed 4-port uplinks can be individually configured as GbE (SFP) or 10GbE (SFP+) ports; 2 x 40G QSFP+ ports.
Environmental Ranges	<ul style="list-style-type: none"> • Operating temperature: 32° to 113° F (0° to 45° C) • Storage temperature: -40° to 158° F (-40° to 70° C) • Operating altitude: up to 10,000 ft (3048 m) • Nonoperating altitude: up to 16,000 ft (4877 m) • Relative humidity operating: 10% to 85% (noncondensing) • Relative humidity nonoperating: 0% to 95% (noncondensing)
Switching Engine Model	Store and Forward
DRAM	2 GB with ECC
Flash	2GB
CPU	Dual Core 1 GHz
Physical Layer	<ul style="list-style-type: none"> • Cable diagnostics for detecting cable breaks and shorts • Auto medium-dependent interface/medium-dependent interface crossover (MDI/MDIX) support • Port speed downshift/setting maximum advertised speed on 10/100/1000BASE-T ports • Digital optical monitoring for optical ports
Packet-Switching Capacities (Maximum with 64-Byte Packets)	144 Gbps (unidirectional)/288 Gbps (bidirectional)
Layer 2/Layer 3 Throughput (Mpps) (Maximum with 64 Byte Packets)	214 Mpps
Layer 2 Features	<ul style="list-style-type: none"> • Maximum MAC addresses per system: 32,000 • Jumbo frames: 9216 bytes • Number of VLANs supported: 4,096 • Range of possible VLAN IDs: 1-4094 • Port-based VLAN • MAC-based VLAN • Voice VLAN • Layer 2 Protocol Tunneling (L2PT) • Compatible with Per-VLAN Spanning Tree Plus (PVST+)

Technical Specification of ME L3 Switch (Similar to Juniper EX3300)	
	<ul style="list-style-type: none"> • RVI (routed VLAN interface) • Persistent MAC (sticky MAC) • RSTP and VSTP running concurrently • IEEE 802.1AB: Link Layer Discovery Protocol (LLDP) • LLDP-MED with VoIP integration • IEEE 802.1ae Media Access Control Security (MACsec) • IEEE 802.1ak Multiple VLAN Registration Protocol (MVRP) • IEEE 802.1br: Bridge Port Extension • IEEE 802.1D: Spanning Tree Protocol • IEEE 802.1p: CoS prioritization • IEEE 802.1Q-in-Q: VLAN stacking • IEEE 802.1Q: VLAN tagging • IEEE 802.1s: Multiple Spanning Tree Protocol (MSTP) • Number of MST instances supported: 64 • Number of VSTP instances supported: 510 • IEEE 802.1w: Rapid Spanning Tree Protocol (RSTP) • IEEE 802.1X: Port access control • IEEE 802.3: 10BASE-T • IEEE 802.3ab: 1000BASE-T • IEEE 802.3ad: Link Aggregation Control Protocol (LACP) • IEEE 802.1ad Q-in-Q tunneling • IEEE 802.3ae: 10-Gigabit Ethernet • IEEE 802.3af: PoE • IEEE 802.3at: PoE+ • IEEE 802.3u: 100BASE-T • IEEE 802.3z: 1000BASE-X • IEEE 802.3x: Pause Frames/Flow Control • Layer 3 VLAN-tagged subinterface • PVLAN support • Multicast VLAN routing • Adding/removing single tag • Filter-based SVLAN tagging • Flexible CoS (outer .1P marking)
Layer 3 Features: IPv4	<ul style="list-style-type: none"> • Maximum number of ARP entries: 16,000 • Maximum number of IPv4 unicast routes in hardware: 14,000 prefixes; 36,000 host routes • Maximum number of IPv4 multicast routes in hardware: 18,000 groups; 4,000 multicast routes • Routing Protocols: RIP v1/v2, OSPF v2 • Static routing • Layer 3 redundancy: VRRP • IP directed broadcast—traffic forwarding • Virtual router (VRF-Lite) supporting RIP, OSPF • Routing policy • Filter-based forwarding (FBF) • Unicast reverse-path forwarding
Layer 3 Features: IPv6	<ul style="list-style-type: none"> • Maximum number of Neighbor Discovery entries: 8,000 • Maximum number of IPv6 unicast routes in hardware: 3,500 prefixes; 18,000 host routes • Maximum number of IPv6 multicast routes in hardware: 9,000 groups; 2,000 multicast routes • Neighbor discovery, system logging, Telnet, SSH, Junos Web, SNMP, Network Time Protocol (NTP), Domain Name System (DNS) • Routing protocols: RIPng, OSPF v3 • Static routing • IPv6 ACL (PACL, VACL, RAACL) • IPv6 CoS (BA, MF classification and rewrite, scheduling based on TC) • MLDv1/v2 snooping • IPv6 ping, traceroute • IPv6 stateless auto-configuration • IPv6 Layer 3 forwarding in hardware • IPv6 Layer 3 redundancy: VRRP v6 • Virtual Router support for IPv6 unicast • PIM for IPv6 multicast

Technical Specification of ME L3 Switch (Similar to Juniper EX3300)

Note:- In the specification wherever support for a feature has been asked for, it will mean that the feature should be available without RailTel requiring any other hardware/software/licenses. Thus, all hardware/software/licenses required for enabling the support/feature shall be included in the offer.

7. Technical Specification of 1X GigE ELECTRICAL:**Technical Specification of 1X GigE ELECTRICAL****10/100/1000Base-TX SFP Transceiver (Copper, 100m, RJ-45, -40 to 85C)**

SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, Techroute, Watchdog, D Link, Zyxel, Edge Core.
2	RJ-45 Connector & Copper Media Type
3	IEEE 802.3 compatible & Category 5 UTP
4	This TX module supports 10/100/1000Base auto-negotiation and can be configured to fit your needs
5	OEM should be having valid ISO 9000
6	Should have CE and FCC and UL regulatory Certificate
7	Operating temperature of the SFP should be -40 to 85°C
8	Complies with INF-8074 and SFF-8472 Compliance
9	Should declare Country of origin along with documentary proof.

8. Technical Specification of 1G SFP-BX Single Fiber 10KM:**Technical Specification of 1G SFP-BX Single Fiber 10KM****1000Base-BX SFP Transceiver (SMF, 1490nmTx/1310nmRx, 10km, LC, DOM, -40 to 85C)****1000Base-BX SFP Transceiver (SMF, 1310nmTx/1490nmRx, 10km, LC, DOM, -40 to 85C)**

SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, Techroute, Watchdog, D Link, Zyxel, Edge Core.
2	Should support 10 km optical distance on single fiber
3	Should have Simplex LC type connector.
4	Should provide quantity in such a way that pair (BX U & D) can be achieved. In case of odd no. mentioned in the SOR, additional unit to be provide to make pair complete.
5	Should have 1 Gigabit Ethernet capacity on single mode fiber.
6	Regulatory Compliance: ESD to the Electrical PINs: compatible with MIL-STD-883E Method 3015.4 ESD to the LC Receptacle: compatible with IEC 61000-4-3 EMI/EMC compatible with FCC Part 15 Subpart B Rules, EN55022:2010 Laser Eye Safety compatible with FDA 21CFR, EN60950-1& EN (IEC) 60825-1,2 RoHS compliant with EU RoHS 2.0 directive 2015/863/EU
7	OEM should be having valid ISO 9000
8	Should have CE and FCC and UL regulatory Certificate
9	Operating temperature of the SFP should be -40 to 85°C
10	Complies with INF-8074 and SFF-8472 Compliance
11	Should declare Country of origin along with documentary proof.

9. Technical Specification of 1G SFP BiDi 40KM:**Technical Specification of 1G SFP BiDi 40KM****1000Base-BX SFP Transceiver (SMF, 1490nmTx/1310nmRx, 40km, LC, DOM, -40 to 85C)****1000Base-BX SFP Transceiver (SMF, 1310nmTx/1490nmRx, 40km, LC, DOM, -40 to 85C)**

SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, Techroute, Watchdog, D Link, Zyxel, Edge Core.
2	Should support 20-40 km optical distance on single fiber
3	Should have Simplex LC type connector.
4	Should provide quantity in such a way that pair (BX U & D) can be achieved. In case of odd no. mentioned in the SOR, additional unit to be provide to make pair complete.
5	Should have 1 Gigabit Ethernet capacity on single mode fiber.
6	Regulatory Compliance: ESD to the Electrical PINs: compatible with MIL-STD-883E Method 3015.4

Technical Specification of 1G SFP BiDi 40KM	
	ESD to the LC Receptacle: compatible with IEC 61000-4-3 EMI/EMC compatible with FCC Part 15 Subpart B Rules, EN55022:2010 Laser Eye Safety compatible with FDA 21CFR, EN60950-1& EN (IEC) 60825-1,2 RoHS compliant with EU RoHS 2.0 directive 2015/863/EU
7	OEM should be having valid ISO 9000
8	Should have CE and FCC and UL regulatory Certificate
9	Operating temperature of the SFP should be -40 to 85°C
10	Complies with INF-8074 and SFF-8472 Compliance
11	Should declare Country of origin along with documentary proof.

10. Technical Specification of 10G SFP+ BiDi 40KM:

Technical Specification of 10G SFP+ BiDi 40KM	
10GBase-BX SFP+ Transceiver (SMF, 1330nmTx/1270nmRx, 40km, LC, DOM, -40 to 85C	
10GBase-BX SFP+ Transceiver (SMF, 1270nmTx/1330nmRx, 40km, LC, DOM, -40 to 85C	
SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, Techroute, Watchdog, D Link, Zyxel, Edge Core.
2	Should support 20-40 km optical distance on single fiber
3	Should have LC type connector.
4	Should provide quantity in such a way that pair (BX U & D) can be achieved. In case of odd no. mentioned in the SOR, additional unit to be provide to make pair complete.
5	Should have 10 Gigabit Ethernet capacity on single mode fiber.
6	Should support Digital Diagnostic Monitoring feature with following operating parameters: Transceiver temperature Laser bias current Transmitted optical power: 0 ~ +4dBm Received optical power: -15dBm Transceiver supply voltage: 3.3V It also provides a sophisticated system of alarm and warning flags
7	OEM should be having valid ISO 9000
8	Should have CE and FCC and UL regulatory Certificate
9	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)
10	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)
11	Complies with 1270nm & 1330nm DFB laser transmitter & CPRI Option 7, 8
12	Should support 9.83G to 11.32Gb/s Multi-Rate & 2-wire interface for management and diagnostic monitor compliant with SFF-8472
13	Should declare Country of origin along with documentary proof.

11. Technical Specification of 10G SFP+ BiDi 60KM:

Technical Specification of 10G SFP+ BiDi 60KM	
10GBase-BX SFP+ Transceiver (SMF, 1330nmTx/1270nmRx, 60km, LC, DOM, -40 to 85C	
10GBase-BX SFP+ Transceiver (SMF, 1270nmTx/1330nmRx, 60km, LC, DOM, -40 to 85C	
SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, Techroute, Watchdog, D Link, Zyxel, Edge Core.
2	Should support 60 km optical distance on single fiber
3	Should have LC type connector.
4	Should provide quantity in such a way that pair (BX U & D) can be achieved. In case of odd no. mentioned in the SOR, additional unit to be provide to make pair complete.
5	Should have 10 Gigabit Ethernet capacity on single mode fiber.

Technical Specification of 10G SFP+ BiDi 60KM	
6	Should support Digital Diagnostic Monitoring feature with following operating parameters: Transceiver temperature Laser bias current Transmitted optical power: 0 ~ +4dBm Received optical power: -15dBm Transceiver supply voltage: 3.3V It also provides a sophisticated system of alarm and warning flags
7	OEM should be having valid ISO 9000
8	Should have CE and FCC and UL regulatory Certificate
9	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)
10	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)
11	Complies with 1270nm & 1330nm DFB laser transmitter & CPRI Option 7, 8
12	Should support 9.83G to 11.32Gb/s Multi-Rate & 2-wire interface for management and diagnostic monitor compliant with SFF-8472
13	Should declare Country of origin along with documentary proof.

12. Technical Specification of 10G SFP+ BiDi 80KM:

Technical Specification of 10G SFP+ BiDi 80KM	
10GBase-BX SFP+ Transceiver (SMF, 1330nmTx/1270nmRx, 80km, LC, DOM, -40 to 85C	
10GBase-BX SFP+ Transceiver (SMF, 1270nmTx/1330nmRx, 80km, LC, DOM, -40 to 85C	
SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, Techroute, Watchdog, D Link, Zyxel, Edge Core.
2	Should support 80 km optical distance on single fiber
3	Should have LC type connector.
4	Should provide quantity in such a way that pair (BX U & D) can be achieved. In case of odd no. mentioned in the SOR, additional unit to be provide to make pair complete.
5	Should have 10 Gigabit Ethernet capacity on single mode fiber.
6	Should support Digital Diagnostic Monitoring feature with following operating parameters: Transceiver temperature Laser bias current Transmitted optical power: 0 ~ +4dBm Received optical power: -15dBm Transceiver supply voltage: 3.3V It also provides a sophisticated system of alarm and warning flags
7	OEM should be having valid ISO 9000
8	Should have CE and FCC and UL regulatory Certificate
9	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)
10	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)
11	Complies with 1270nm & 1330nm DFB laser transmitter & CPRI Option 7, 8
12	Should support 9.83G to 11.32Gb/s Multi-Rate & 2-wire interface for management and diagnostic monitor compliant with SFF-8472
13	Should declare Country of origin along with documentary proof.

13. Technical Specification of Patch Cords:

Optical Parameter:

1. Type of fiber	:	Single Mode
2. Nominal Wavelength	:	1310 nm
3. Nominal Mode Field Dia.	:	9.5 μm ± 10% matched clad
4. Nominal Cladding Dia.	:	125 Micron ± 2 μm
5. Cladding Non-Circularity	:	< 2%
6. Mode Field Connector Error	:	< 1 μm (Max.)
7. Cut off wavelength	:	1240 nm
8. Fiber Attenuation	:	< 0.38 dB/Km at 1310 nm < 0.25 dB/Km at 1550 nm

- | | | | |
|-----|----------------------------|---|---|
| 9. | Total Dispersion | : | < 3.5 ps/nm/Km in 1285-1330 nm band
< 5.3 ps/nm/Km from 1270-1340 nm
< 20 ps/nm/Km at 1550 nm |
| 10. | Primary Coating Material | : | Silicon/Suitable Material |
| 11. | Primary Coating Diameter | : | 400 μ m nominal |
| 12. | Secondary Coating Material | : | Nylon/PVC/LSZH |
| 13. | Secondary Coating | : | 900 μ m nominal Diameter |
| 14. | Outer Sheath | : | A circular sheath of not less than 0.3 mm thick of suitable material and color free from pinholes and scratches and other defects etc. shall be provided. |

Physical Parameter:

- | | | | |
|----|---------------------|---|---------------|
| 1. | Patch Cord length | : | As per Order |
| 2. | Fiber Reinforcement | : | Kevlar/Aramid |
| 3. | Outside Dia. | : | 3 mm \pm 5% |
| 4. | Type of connector | : | As per Order |

Optical Parameter of Connector and Cable:

- | | | | |
|----|---|---|---|
| 1. | Insertion Loss | : | Better than 0.25 dB per connector plus fiber loss |
| 2. | Return Loss | : | better than 45 dB |
| 3. | Temperature dependency | : | < 0.3 dB from -20 $^{\circ}$ C to 60 $^{\circ}$ C |
| 4. | Change in connector loss with passage of time at 60 $^{\circ}$ C for 100 hrs. | : | It should be < 0.3 dB |
| 5. | Change in connector loss due to vibration. | : | < 0.05 dB |
| 6. | Reproducibility of connection loss by repeated connection, and disconnection for 500 times. | : | < 0.3 dB |
| 7. | Change in connection loss in relation to tensile strength | : | < 0.05 dB |
| 8. | Minimum Bending Radius | : | i) Loaded – 50 mm.
ii) Unloaded – 30 mm. |

Test Parameters of Patch Cords**Tensile Test:**

- | | | | |
|----|---|---|---|
| 1. | Method | : | IEC 794-1-E1 |
| 2. | Diameter of Chuck drums and transfer device | : | 250 mm approx. |
| 3. | Velocity of transfer device | : | 100 mm/min. |
| 4. | Load | : | 8 Kg applied for 5 min. |
| 5. | Length of the sample | : | As per the requirement of the test. |
| 6. | Requirement | : | The attenuation shall not exceed the specified value. |

Crust Test:

- | | | | |
|--|-------------|---|---|
| 1. | Method | : | IEC 794-1-E3 |
| 2. | Load | : | 50 Kg |
| The edge of the movable plate shall have a radius of curvature of at least 5 mm. | | | |
| 3. | Duration | : | 1 min. |
| 4. | Requirement | : | The attenuation shall not exceed the specified value. |

Impact Test:

- | | | | |
|----|------------------------------|---|---|
| 1. | Method | : | IEC 794-1-E4 |
| 2. | Radius of intermediate piece | : | 12.5 |
| 3. | Starting Energy | : | 1.0 nm |
| 4. | Number of impacts | : | 3 |
| 5. | Length of the sample | : | As per the requirement of the test. |
| 6. | Requirement | : | The attenuation shall not exceed the specified value. |

Repeated Bending Test:

- | | | | |
|----|------------------|---|---------------|
| 1. | Method | : | IEC 794-1-E8 |
| 2. | Number of cycles | : | 1000 |
| 3. | Carrier speed | : | 10 cycle/min. |
| 4. | Pully diameter | : | 100 mm |
| 5. | Load | : | 2 Kg. |

6. Length of the sample : As per the requirement of the test.
 7. Requirement : The attenuation shall not exceed the specified value.

Torsion Test:

1. Method : IEC 794-1-E7
 2. Number of rotations : 20 ($\pm 180^\circ\text{C}$, not less than 30 per min)
 3. Distance between fixed and rotating clamp : 250 mm
 4. Length of the sample : As per the requirement of the test.
 5. Axial load : 20 N
 6. Requirement : The attenuation shall not exceed the specified value.

Flexibility Test:

The fiber and the component part of the optical fiber jumper wire shall not suffer permanent damage, when the cable is repeatedly wrapped and unwrapped 4 complete turns of 10 complete cycles around a mandrel of 24 d, (d = diameter of the patch cord). There shall not be any significant change in the attenuation of the fiber. Sheath of the optical jumper wire shall not show any crack visible to naked eye when examined.

Cable Bend Under Tension:

1. Method : IEC 794-1-E11
 2. Mandrel Diameter : 500 mm
 3. Number of turns : (1 cycle) 6
 4. Number of cycles : 10
 5. Bending Speed : 1 revolution per 5 sec.
 6. Load : 10 N
 7. Length of the sample : As per the requirement of the test.
 8. Requirement : The attenuation shall not exceed the specified value.

Bending at Low Temperature:

1. Method : IEC 794-1-E11
 2. Bending radius : 2.5 times cable diameter
 3. Test temperature : -15°C
 4. Length of the sample : Short
 5. Number of Bend : 10
 6. Requirement : There shall be no fiber break and the attenuation shall not exceed the specified value.

Environment Test:

1. Method : IEC 794-1-F1
 2. Period : Sufficient to reach stable temperature condition.
 3. Number of cycles : 2
 4. Length of the sample : Sufficient to have desired accuracy of test.
 5. Requirement : The attenuation shall not exceed the specific value.

Vibration Test:

1. Test Specification : 10 to 50 Hz, Amplitude 1.5 mm two directional (X-axis should be the axis of flight).
 2. Connection loss due to vibration : $< 0.05\text{ dB}$



Section- II

Chapter 5
OFFER LETTER

To
RailTel Corporation of India Limited,
1-10-39 to 44, 6A, 6th floor, Gumidelli Towers,
Begumpet Airport Road, Begumpet,
Hyderabad – 500016.

1. I/We _____ have read the various conditions detailed in tender documents attached here to and hereby agree to ABIDE BY THE SAID CONDITIONS. I/We also agree to keep this tender open for acceptance for a period of 60 days from the date of submission and in default thereof, I/We may be disqualified and banned for a period of three years and shall not be eligible to bid for future tenders in RailTel for the period of three years from date of issue of such orders. I/We offer to SUPPLY as per Bid Data Sheet at the rates quoted in the attached schedules and hereby bind myself/ourselves to complete the work within as per Bid Data Sheet from the date of issue of Purchase Order. I/We also hereby agree to abide by the Various Conditions of Contract and to carry out the supplies according to the Specifications for materials and works laid down by the RailTel.

SIGNATURE OF SUPPLIER (S)

Date:

CONTRACTOR (S) ADDRESS

SIGNATURE OF WITNESS:

- 1.
- 2.

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RAILTEL

Chapter 6
INSTRUCTIONS TO THE TENDERERS

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

PLEASE NOTE

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

PLEASE READ THE SCHEDULE OF REQUIREMENTS, INSTRUCTIONS TO THE TENDERERS, GENERAL & SPECIAL TENDER CONDITIONS, STANDARD CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS OF SCHEDULE OF REQUIREMENTS BEFORE FILLING UP THE TENDER FORM CAREFULLY. PLEASE SIGN ON EACH PAGE.

THE TENDERERS MAY DOWNLOAD TENDER FORM FROM THE WEB SITE ‘www.railtelindia.com’ OR FROM THE GeM Portal,

NOTE: For online bid submission the tenderer will have to download an official online copy of the tender documents from GeM Portal, and this should be done well before the deadline for bid-submission.

The Tender document consists of the following: -

Notice Inviting Tender
Section ‘I’
Chapter 1 Bid Data Sheet
Chapter 2 Schedule of Requirements (Price Schedule)
Chapter 3 Special Tender Conditions
Chapter 4 Technical Specifications

Section ‘II’
Chapter 5 Offer Letter
Chapter 6 Instructions to the Tenderers
Chapter 7 General Tender Conditions
Chapter 8 Standard Conditions of Contract
Chapter 9 Performa for Performance Bank Guarantee
Chapter 10 Check List

6.1. Offer Letter

- 6.1.1 The bidder shall complete the Offer Letter (Chapter-5) and the Price Schedule (Chapter-1) furnished in the bid document, indicating the goods to be supplied, description of the goods, associated technical literature, quantity and prices etc.
- 6.1.2 Bidders should enclose their credentials including supply of equipment/material to Reputed Telecom Operators and Government/PSUs. (Performa to be enclosed)

6.2 Instructions for Tender Document TO THE TENDERERS

- a) The RailTel reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the RailTel, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the RailTel shall not relieve the bidder of its obligations or liabilities here under nor will it affect any rights of the RailTel thereunder.
- b) In case of any wrong information submitted by the tenderer, the contract shall be terminated, Performance Guarantee (PG) and Security Deposit (SD) of contract forfeited and agency barred for doing business on entire RailTel for 3 (three) years.
- c) The RailTel Tenders are published on www.railtelindia.com and on e-Procurement Portal GeM Portal. In addition to submitting the e-Tender documents online.

NOTE: For online bid submission the tenderer will have to necessarily download an official online copy of the tender documents from e-Procurement Portal GeM Portal, and this should be done well before the deadline for bid-submission.

6.3 Submission of Offers and Filling of Tender:

- a. Each and every page of bid should be digitally signed/signed in ink & stamped by authorized representative of the firm. Power of attorney in favor of the signatory duly authorizing the signatory shall be enclosed in the bid.
- b. The original copy of Power of attorney, Notarized Affidavit & Bid Security Declaration shall be submitted at the following address so as to reach up to 15:00 hours of due date:
**RailTel Corporation of India Limited,
1-10-39 to 44, 6A, 6th floor, Gumidelli Towers,
Begumpet Airport Road, Begumpet,
Hyderabad – 500016.**
- c. The packet containing original copy of Power of attorney (if any), Notarized Affidavit and Bid Security Declaration shall bear name of work, the tender no, and the words “DO NOT OPEN BEFORE” (due date).
- d. The Tenderer should avoid over writing and corrections. However, if such corrections and over writings become inescapable, these are to be properly and legibly corrected. Offers with correction / over writing should be properly attested by the Tenderer at every correction.
- e. The unit rates quoted should be written both in words and figures. The unit of rates should be in metric system and as per tendered specification/schedule. In case of difference between words and figures, the rate in words will prevail. If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the purchaser accordingly.
- f. Tenderers are requested to go through the Standard Conditions, Special Conditions, Instructions to Tenderers, General Conditions carefully and note that, by submitting the tender documents, duly signed, they have accepted these conditions and undertake to abide by these conditions (unless specifically disagreed to clause wise).

6.4.0 Earnest Money Deposit (EMD) Bid Security:

Earnest Money Deposit (EMD)/ Bid Security: Rs. 1,67,200/- through payment online through RTGS / internet banking in Beneficiary name RailTel Corporation of India Limited Account No. 33946516594, IFSC Code SBIN0020299, Bank Name: State Bank of India, Branch address: Veer Chambers, Ranga Reddy District, Begumpet – 500016. The Bid received without EMD will be summarily rejected.

EMD/Bid security to be submitted by all tenderers, subject to the following exemptions:

- a) Tender cases of value up to Rs. 5 Lakhs.
- b) Micro and Small Enterprises (MSEs) registered under UDYAM Registration.
- c) Startups recognized by Department of Promotion of Industry and Internal Trade (DPIIT).

Note 1: In case the tenderer falls in these categories, the bidder should furnish a certified copy of its valid registration details and Bid Security Declaration (as per Form X).

Note 2: Firms registered with UDYAM certification for the tendered item / work is exempted from submission of EMD. Firms claiming for the above exemptions under UDYAM certification have to submit supporting documents. UDYAM Certificate with category as Traders are not eligible for EMD exemption.

6.4.1 Deleted

6.4.2 Make in India clause:

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

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

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

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

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

6.4.2.2 Verification of local content:

a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

b. In case of procurement for a value in excess of Rs.10 Crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

c. False declarations will be in breach of the Code of integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

d. A Supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment.

e. Debarment of bidders: In respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on CPPP so that ongoing procurements are not disrupted.

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

a. In procurement of goods in respect of which the Nodal Ministry has communicated that there is insufficient local capacity and local competition, and where the estimated value of procurement is Rs.50 Lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods is more than Rs.50 Lakhs, the provisions of sub-paragraph b or c as the case may be, shall apply.

b. In the procurements of goods which are not covered by paragraph (a) above and which are divisible in nature, the following procedure shall be followed:

i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.

ii) If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

c. In procurements of goods not covered by sub-paragraph (a) above and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:

i). Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier; the contract will be awarded to L1.

ii). If L1 is not from a local supplier, the lowest bidder among the local suppliers will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.

iii) In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

6.4.2.4 Exemption of small purchases: Notwithstanding anything contained in Para 6.4.2.3, procurements where the estimated value to be procured is less than Rs.5 Lakhs is exempted.

6.4.3 Updation of Labour data on Railway's shramikkalyan Portal

- A. Contractor is to abide by the provisions of Payment of Wages Act & Minimum Wages Act in terms of clause 54 and 55 of Indian Railways General Condition of Contract. In order to ensure the same, an application has been developed and hosted on website 'www.shramikkalyan.indianrailways.gov.in'. Contractor shall register his firm/company etc. and upload requisite details of labour and their payment in this portal. These details shall be available in public domain. The Registration/updation of Portal shall be done as under:
- (a) Contractor shall apply for one-time registration of his company/firm etc. in the Shramikkalyan portal with requisite details subsequent to issue of Letter of Acceptance. Engineer shall approve the contractor's registration on the portal within 7 days of receipt of such request.
 - (b) Contractor once approved by any Engineer, can create password with login ID (PAN No.) for subsequent use of portal for all LOAs issued in his favour.
 - (c) The contractor once registered on the portal, shall provide details of his Letter of Acceptance (LoA)/Contract Agreements on shramikkalyan portal within 15 days of issue of any LoA for approval of concerned engineer. Engineer shall update (if required) and approve the details of LoA filled by contractor within 7 days of receipt of such request.
 - (d) After approval of LOA by Engineer, contractor shall fill the salient details of contract labours engaged in the contract and ensure updating of each wage payment to them on shramikkalyan portal on monthly basis.
 - (e) It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour & payments made thereof after each wage period.
- B. While processing payment of any 'On Account bill' or 'Final bill' or release of 'Advances' or 'Performance Guarantee / Security deposit', contractor shall submit a certificate to the Engineer or Engineer's representatives that "I have uploaded the correct details of contract labours engaged in connection with this contract and payments made to them during the wage period in Railway's Shramikkalyan portal at 'www.shramikkalyan.indianrailways.gov.in' till _____Month, _____Year."

6.5 Security Deposit/Performance Guarantee:

The Successful Bidder is required to submit Performance Bank Guarantee (PBG) as per following schedule:

The successful tenderer is required to submit a Performance Bank Guarantee (PBG) within 30 days of the issue of LOA/Purchase order for a total value of **5%** of the value of issued LOA/PO, failing which a penal interest of 15% per annum shall be charged for the delay period i.e. beyond 30 (thirty) days from the date of issue of LOA/PO. This PBG should be from a Scheduled Bank and should cover **warranty period plus three months (63 Months)** for lodging the claim.

Note: A separate advice of the BG will invariably be sent by the BG issuing bank to the RailTel's Bank through **SFMS (MT 760)** and only after this the BG will become acceptable to RailTel. It is therefore in own interest of bidder to obtain RailTel's bank IFSC code, its branch and address and advise these particulars to the BG issuing bank and request them to send advice of BG through SFMS to the RailTel's Bank.

Important: SFMS Confirmation of the BG should be on MT 760 format only.

RailTel SR Bank Details for PBG:

Name: RailTel Corporation of India Limited

Account No: 327301010373007,

IFSC Code: UBIN0805050,

Bank Name: Union Bank of India,

Branch address: Union Bank of India, RP Road Branch, Bungalow no 109, New No 1-7-252 to 254 Oxford Street, SD Road, Near ParkLane Center Secunderabad – 500003

6.6 No Interest on Earnest Money and Performance Security:

No interest shall be paid on the amount of earnest money and Performance Security held by RailTel, at any stage.

6.7 Fax Quotations & Late Tenders:

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

6.8 Drawings and Specifications:

If any tenderer happens to quote with their own Drawing No / Part No / Specification, then, they shall have to, necessarily, submit all the requisite documents and information, in support of their offer being in conformity with the tender Drawing / Specification. Furthermore, duly authenticated copies of such drawings / specifications / catalogue are also to be enclosed, failing which the offer will be liable to be rejected.

6.9 Attendance of Representatives for Tender Opening:

Representatives of tenderers desirous to attend the tender opening can do so on production of a proper letter of authority from the respective firm, failing which they may not be allowed to attend the tender opening. In addition, representatives desirous of attending the Online Public Tender Opening Event can do so by getting authorized for such participation by the Super-User/ Master User of their respective organizations on ETS. Authorized representatives of those firms who have submitted the tender documents alone shall be allowed to attend the tender opening.

6.10 Deleted

6.11 Rate, Taxes and Duties: -

6.11.1 Tenderer should submit offer on CIP destination basis. Tenderers should clearly indicate separately ex-works basic price, packing charges, forwarding charges, CGST/SGST/IGST/GST, Freight and insurance charges up to destination, applicable for each unit tendered.

6.11.2 Tenderers are requested to quote under the following terms: -

The tenderers are required to quote in the same rate units/ Sets etc. as given in the tender schedule. Any deviation in this aspect will make the offer liable to be ignored.

6.11.3 Tenderer should submit firm price offer. Price quoted by the bidder shall remain fixed during the entire period of contract. The offer shall be firm in Indian Rupees. No Foreign exchange will be made available by the purchaser.

6.12 GST related clause:

6.12.1 If any tenderer desires to ask for CGST/SGST/IGST/GST to be paid extra, the same must be specifically stated. In the absence of any such stipulation in the tender it will be presumed that the prices quoted by the tenderer are inclusive of all taxes and no liability for payment of the CGST/SGST/IGST/GST will be devolved upon the purchaser.

6.12.2 CGST/SGST/IGST/GST should be quoted extra if applicable.

a) While quoting the rates, tenderer should pass on (by way of reduction in prices) the set off/input tax credit that would become available to them duly stating the quantum of such credit per unit of the item quoted for.

b) The tenderer while quoting for tenders should give the following declaration:

“We agree to pass on such additional set off/input tax credit as may become available in future in respect of all the inputs used in the manufacture of the final production in price and advise the purchaser accordingly”.

The supplier while claiming the payment shall furnish the following certificate to the paying authority.

“We hereby declare that additional set off/input tax credit to the tune of Rs. _____ has accrued and accordingly the same is being passed on to the purchaser and to that effect the payable amount may be adjusted.”

If any surcharge on tax is applicable the same should be indicated clearly.

6.12.3 The price quoted in the offer should be firm, fixed indicating the breakup and inclusive of all taxes & duties like import, custom, Anti-Dumping, CGST, SGST, IGST, UTGST etc. The offer should be inclusive of packing, forwarding, freight up to destination, insurance charges.

6.12.4 Bidder shall issue valid tax invoice to RailTel for availing proper credit of CGST, SGST, IGST, UTGST in case of award of Contract. GST will not be reimbursed in the absence of valid tax invoice.

6.12.5 For all the taxable supplies made by the vendor, the vendor shall furnish all the details of such taxable supplies in the relevant returns to be filed under GST Act.

6.12.6 If the vendor fails to comply with any of the above, the vendor shall pay to purchaser any expense, interest, penalty as applicable under the GST Act.

- 6.12.7** In case of incorrect reporting of the supply made by the vendor in the relevant return, leading to disallowance of input credit to purchaser, the vendor shall be liable to pay applicable interest under the GST Act to the credit of purchaser. The same provisions shall be applicable in case of debit/credit notes.
- 6.12.8** Tenderer shall quote all-inclusive rates, but there shall be break up of basic price and all type of applicable taxes such as CGST,SGST,IGST, UTGST along with respective HSN/SAC Code under GST Law (including tax under reverse charges payable by the recipient).
- 6.12.9** Wherever the law makes it statutory for the Purchaser to deduct any amount towards GST at source, the same will be deducted and remitted to the concerned authority.
- 6.12.10** In regards to works contract, the tenderer should have registration no. for GST in respective state where work is to be executed and shall furnish GST registration certificate along with Tender.
- 6.12.11** The imposition of any new tax and/or increase/in the aforesaid taxes, duties levies, after the last stipulated date for the receipt of tender including extensions if any and the bidder there upon necessarily and properly pays such taxes/levies/cess, the bidder shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of RailTel attributable to delay in execution of work within the control of bidder. The bidder shall, within a period of 30 days of the imposition of any such tax or levy or cess, give a written notice thereof to RailTel that the same is given pursuant to this condition, together with all necessary information including details of input credit relating thereto. In the event of non-payment/ default in payment of any of the above taxes, RailTel reserves the right to with-hold the dues/payments of bidder and make payment of State/Central Government authorities as may be applicable. However, if the rates are reduced after the last stipulated date for receipt of tender, bidder has to pass on the benefits to RailTel.

6.13 In case of imported equipment: - Deleted

6.14 The tenderers are to indicate the Income-Tax PAN details and enclose a Photocopy of the same as governed by extant rules of the Government of India.

6.15 Validity: Tenderers are to keep validity of their offer open for a minimum period as per bid data sheet. Offers with validity period of shorter duration would be taken as non-responsive and rejected.

6.16 Evaluation Criteria:

- i. Rates quoted by the Tenderers with discounts, if any, linked to quantity will not be considered for determining inter-se position of the offers. Discounts with conditions attached to early payment, early Receipt/ Accountal etc., will also not be considered for determining inter-se position of the offers. However, RailTel may avail the discounts linked to quantity, early payment, early receipt/ Accountal etc. if otherwise, firm's offer is found to be acceptable.
- ii. Inter se position of the offers will be determined on total unit rate on CIP destination basis which will include basic rate, custom duty, CGST, SGST,IGST,GST, freight, insurance and any other charge or cost quoted by the tenderer, including GST payable.
On reverse charge by RailTel, wherever applicable.
- iii. Evaluation will be done on total value-wise.

6.17 The Special Tender Conditions, wherever they differ from General and Standard Conditions will override the latter.

6.18 Compliance & Deviation statements:

Compliance statement for acceptance of the Technical Specifications (Chapter4) and Instructions & Conditions (Chapter3, Chapter 6, Chapter 7 and Chapter 8) shall be enclosed by the tenderer with the offer along with the technical literature of the material and other documents in support of relevant clauses. Deviation statement, if any, (Chapter-wise and Clause-wise) from these technical Specification & Tender conditions should also be submitted wherever tenderer wishes to deviate from these conditions.

6.19 Tenderer's Comments:

Any comments which the tenderer desires to make shall take the form of a separate statement in English and giving reference to page, clause or item numbers and shall be submitted along with the tender.

6.20 Tax deducted at Source:

Statutory deduction of taxes would be made as per the prevalent rules . The PAN number may be furnished invariably.

6.21 Addenda / Corrigenda:

Addenda / Corrigenda to the tender documents may be issued by RailTel prior to the date of opening of the tenders, to clarify or reflect modifications in the contract terms and conditions or in the design. Such addendum/corrigendum shall be available on GEM PORTAL's e-Procurement Portal only. Tenderers who are unable or unwilling to bring their tenders to conform to the requirements of the RailTel are liable to be rejected.

6.22 Ambiguity:

If there is any ambiguity or doubt as to the meaning of any of the tender clauses/ conditions or if any additional information required, the matter should immediately be referred to the RailTel in writing.

6.23 Bid submission and Opening (On Line Only)

6.23.1 Bid Security Declaration should be Submitted as per clause 6.4. Bids without Bid Security Declaration will be summarily rejected.

6.23.2 The bid should be submitted online with all the required documents and Annexures mentioned in the tender along with supporting documents. All the documents, Annexures and supporting documents should be duly signed and stamped. The bid should consist of following:

1. Earnest money amounting to Rs. 1,67,200/- as per bid data sheet- clause no. 6.4.0 Chapter 6.
2. User Certificate as per Form-Annexure-I.
3. Bid Security Declaration as per Form Annexure-III
4. Land border Declaration as per Annexure-IV.
5. Deviation Statement, if any (Chapter wise and Clause wise from Technical Specification & Tender conditions), Form-I.
6. Form No-II, Notarized Affidavit
7. Form No-III, Bidders Organization data sheet.
8. Compliance statement for acceptance of technical specification (Chapter 4) & Instructions and Tender Conditions (Chapter 3, 6, 7, 8, 9), Form – IV.
9. Manufacturer Authorization form (MAF) as per Form-V.
10. Power of attorney in favor of the signatory duly authorizing the signatory. Original copy needs to be submitted by the successful bidder before issuance of LOA. (Power of attorney as per Clause 3.12, Chapter 3 of Tender Document).
11. Complete Tender documents digitally signed or duly signed & stamped on each page in token of acceptance should be submitted online.
12. Price Bid - Cost breakup of price indicating Basic rate, Packaging & Forwarding, CGST/SGST/IGST, Insurance etc. Chapter 2.
13. Offer Letter duly signed by authorized signatory (As per Chapter-5).

6.23.3 The tenderer's bids will be opened at the time & date of opening of the tender given in Bid Data Sheet (BDS) online in the presence of such Tenderers/Representatives who choose to be present online. The Tenderers/Representatives can also choose to be physically present in the office of RailTel for the Online Public Tender Opening Event.



CHAPTER-7**7.0 GENERAL TENDER CONDITIONS****7.1 Acceptance of the Offers: -**

RailTel is not bound to accept the lowest or any offer and reserve to itself the right to accept any offer in respect of the whole or any portion of the item specified in the tender and contractor shall be required to supply at the rate quoted.

7.2. Quantity to be ordered: -

The purchaser reserves the right to increase the order quantity by a quantity not exceeding 30% of the ordered quantity on the same price and terms and conditions during the currency of the contract, with suitable delivery schedule for the enhanced quantity.

7.3 Quotations for Imported items: -**7.3.1 Imported Stores offered by Indian Agents in Indian Currency:**

Any authorized dealer / agent / recognized industrial distributor quoting on behalf of their Foreign principal in Indian Rupees shall have to comply with the following: -

- a) To quote with tender specific authorization from the foreign manufacturer.
- b) (i) While quoting on behalf of foreign principals' tenderers are required to furnish the principal's invoice / Performa invoice along with their quotation.
(ii) Performa invoices however, may be accepted in exceptional cases where, it is not possible to obtain the invoices before the contract is placed.
- c) The tenderer shall have to undertake in the tender to comply with the following –
 - i) Consent to furnish copy of customs out passed bill of entry for the goods, relevant to each consignment, Manufacturer's Test and Guarantee certificate issued by the manufacturer, Copy of Bill of Lading/AWB relevant to the consignment; Copy of commercial invoice of the foreign manufacturer/principals relevant to each consignment.
 - ii) Current and valid authorization/dealership certificate of foreign manufacturer/ principal.
 - iii) Compliance of sea/air worthy packing condition in manufacturer's original packing with manufacturer's tamper proof seal and compliance of the Packing condition as laid down in Standard Conditions of Contract Para-8.16.0

Failure to comply with any of the aforesaid conditions as referred above will make the offer liable to be rejected.

7.3.2. Deleted

7.3.3 Deleted

7.4 Payment Terms: Payment will be done after submission of the following documents:

- i. Invoice.
- ii. Delivery Challan/E-way bill
- iii. Contractor's certificate of dispatch
- iv. Inspection Certificate
- v. Consignee's receipt
- vi. Warranty guarantee certificate of OEM
- vii. Performance Bank Guarantee

- viii. Insurance Certificate valid till installation of material
- ix. OEM certificate for the ordered quantity/ material supplied as per specification.

100% of the value of the supply of material on receipt and acceptance by the consignee at site duly inspected and accompanied with above mentioned documents.

7.5 Inspection: By Consignee after receipt and acceptance of the material against GCTC:

- i) In case material/equipment fails during inspection, the fresh lot of same material/ equipment shall be offered without any extra cost, by the manufacturer/supplier.
- ii) Inspection of the material including that of raw material if deemed required shall be conducted by inspecting official of RailTel in exceptional circumstances, at the firm's premises.
- iii) The inspection shall be conducted by inspecting authority as per GCTC submitted by the firm for ensuring that the material supplied meets the required specifications.
- iv) Finished products shall be tested by the factory QC personnel before being supplied to RailTel for acceptance to ensure that it meets all quality requirements as per the relevant specifications. Duly filled in test formats indicating the results of such tests shall be submitted along with material.

7.6 Terms of Delivery:

- a) Mode of dispatch should be by road / reputed courier / in person through the authorized representative of the Tenderer.
- b) Tenderer shall submit the offer clearly on CIP destination basis.
- c) Transit Insurance for risk in transit should be arranged by the supplier, since risk in transport in all such cases rests with the supplier.

7.7 Delivery Schedule

- a) The tenderer should note the required delivery schedule of RailTel given in the tender schedule /offer form and quote accordingly. Vague Delivery terms must be avoided and if quoted will be taken as commercially unresponsive to RailTel's requirement.
- b) Time for and the Date of delivery as specified in tender schedule /offer form is the essence of the Contract. However extension of Delivery date may be considered in deserving cases where genuine reasons exist. Such extensions of delivery date may be considered with or without Liquidated damages and Denial Clause as per Standard conditions of Contract.
- c) Recover from the Contractor as agreed liquidated damages and not by way of penalty a sum equivalent to half per cent of the price of any stores (including elements of taxes, duties, freight, etc.) which the Contractor has failed to deliver within the period fixed for delivery in the contract or as extended for each week or part of a week during which the delivery of such stores may be in arrears where delivery thereof is accepted after expiry of the aforesaid period **The upper limit for recovery of liquidated damages will be 10% (Ten Percent) of Total contract value provided in the contract.**

7.8 Deleted.

7.9 Deleted.

7.10 Procurement from Manufacturers Authorized agents / Distributors:

Only Manufacturers or their authorized Agents/ distributors need to quote with tender specific authorization from the manufacturers failing which offers are liable to be ignored.

Where a manufacturer appoints an agent or a distributor on the basis of a written agreement with him for a specific territory or specific set of items, he shall give an undertaking to the following effect.

- a) Direct dispatch from the premises of the manufacturer to the consignee.
- b) Submission of manufacturer’s Test and Guarantee Certificate (MTGC) with each lot of supplies.

7.11 Deleted.
7.12 Deleted.

7.13 Purchaser’s right to accept any Bid and to reject any or all Bids:
 The Purchaser reserves the right to accept or reject any bid, to annul the process at any time prior to award of contract and without thereby incurring any liability to the affected bidder or bidders on the grounds of the Purchaser’s action.

7.14 Removed

7.15 Force Majeure Clause:

In the event of either party being rendered unable by force majeure conditions to perform any obligation to be performed by them under the contract, the relative obligation of the party affected by such force majeure shall upon notification to the other party be suspended for the period during which force majeure events last. The cost and loss sustained by either party shall be borne by respective parties.

The term force majeure employed herein shall mean Act of God, war (declared or not), storms, floods, tsunami, restraints imposed by Governments, Riots, Strikes, Go Slow, Lock Out or any labour unrest at the works of the contractor (to be substantiated by the contractor with document), civil commotion, fire, accident, sabotage, earthquake or any other natural calamities, plague, quarantine, import or export embargoes, or change in Govt. policies or the like circumstances or any happening affecting the performance by the contractor or it's obligations under this contract which, in the opinion of the RailTel, the contractor cannot reasonably prevent or control against.

7.16 Trade Receivables Discount System (TREDS)

TReDS feature available	Yes, on m1xchange portal. (Url: http://www.m1xchange.com)
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i. RailTel is registered with m1xchange TReDS Platform having Buyer registration “BUYER00001496”. The URL for m1xchange platform is <http://www.m1xchange.com>. MSE suppliers/vendors are required to register themselves on m1change platform for availing the facility of bill discounting on TReDs portal. The bidder is mandatorily required to submit its TReDS registration number (as provided by M1xchange portal) and GRN (Goods/Service Receipt Note) Number (as provided by RailTel on delivery of Goods/Service) while submitting the invoices if requires availing TReDS facility.

ii. MSE vendor will bear all costs relating to availing the facility of discounting on TreDS platform including but not limited to registration chargers, Transaction chargers for financing, discounting charges, interest on financing, or any other chargers known by any name shall be borne by MSE vendor.

iii. MSE vendor hereby agree to indemnify, hold harmless and keep RailTel and its affiliates, Directors, officers, representatives, agents and employees indemnified, from any and all damages, losses, claims and liabilities (including legal costs) which may arise from sellers submission, posting or display, participation, in any manner, on the TReDS platform or from the use of services or from the buyer’s breach of any of the terms and conditions of the usage Terms or of this Agreement and any applicable Law on a full indemnity basis.

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

7.17 Bidders sharing a land border with India: Office Memorandum F.No. 6/18/2019-PPD dated 23.07.2020 by Ministry of Finance, Department of Expenditure, Public Procurement Division shall also apply to this tender. A certificate as per Annexure-IV, Chapter-9 shall be submitted by all the bidders regarding their compliance with this order. If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law. Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order.

Chapter 8

STANDARD CONDITIONS OF CONTRACT

8.0 Definitions and Interpretation.

8.0.1 In the Contract, unless the context otherwise requires;

8.0.2 "Acceptance of Tender" means the letter of memorandum communicating to the Contractor the acceptance of his tender and includes an advance acceptance of his tender;

8.0.3 "Consignee" means where the stores are required by the acceptance of tender to be dispatched by rail, road, air or steamer, the person specified in the Acceptance of Tender to whom they are to be delivered at the destination; Where the Stores are required by the acceptance of tender to be delivered to a person as an interim consignee for the purpose of dispatch to another person, such other persons; and in any other case the person to whom the stores are required by the acceptance of tender to be delivered in the manner therein specified.

8.0.4. "Contract" means and includes the invitation to tender, instructions to tenderers, acceptance of tender, Standard Conditions of Contract, Special Conditions of Contract, particulars and the other conditions specified in the acceptance of tender and includes a repeat order which has been accepted or acted upon by the contractor and a formal agreement if executed;

8.0.5. The "Contractor" means the person, firm or company with whom the order for the supply is placed and shall be deemed to include the contractor's successors (approved by the Purchaser), representatives, heirs, executors and administrators as the case may be, unless excluded by the terms of the contract

8.0.6. "The Sub-contractor" means the person, firm or company from whom the Contractor may obtain any material or fittings to be used in the supply or manufacture of the stores ;

8.0.7. "Drawing" means the drawing or drawings specified in or annexed to the Schedule or Specifications

8.0.8. "Government" means the Central Government or a State Government, as the case may be;

8.0.9. "The Inspecting Officer" means the person specified in the contract for the purpose of Inspection of stores or work under the contract and includes his authorized representative;

8.0.10. "Material" means anything used in the manufacture or fabrication of the stores

8.0.11. "Particulars" include-

(a)"Specifications" shall mean all directions, various technical specifications, provisions and requirements attached to the contract, as originally agreed and as modified from time to time by RailTel subject to price adjustments mutatis mutandis which pertain to the method and manner of performing the work or works to the quantities and qualities of the work or works and the materials to be furnished under the contract for the work or works as may be amplified or modified by RailTel-incharge during the performance of the contract in order to provide for unforeseen conditions or in the best interest of the work or works. It shall also include the latest edition including all addenda / corrigenda of relevant Bureau of Indian standard specifications and other relevant codes governing a particular activity or facility. The term shall include the specifications specified in the contract in respect of each type of material/goods to be used in the execution of contract.

(b) Drawings

(c) Pattern bearing the seal and signature of the Inspecting Officer (hereinafter called the sealed pattern) which shall include also a certified copy thereof sealed by the Purchaser for the guidance of the Inspecting Officer;

(d) Sample sealed by the Purchaser for guidance of the Inspecting Officer (hereinafter called the certified sample) which shall include a certified copy thereof sealed by the Purchaser for the guidance of the Inspecting Officer;

- (e) Trade pattern, that is to say, a pattern, stores conforming to which are obtainable in the open market and which denotes a standard of the Indian Standard Institute or other standardizing authority or a general standard of the industry;
- (f) "Proprietary mark "or "brand" means the mark or brand of a product which is owned by an industrial firm;
- (g) Any other details governing the construction, manufacture or supply of stores as may be prescribed by the contract;
- 8.0.12.** " Purchase Officer" means the officer signing the acceptance of tender and includes any officer who has authority to execute the relevant contract on behalf of the Purchaser.
- 8.0.13.** " The Purchaser "means RailTel Corporation of India Limited, with its corporate office acting through Chairman & Managing Director or his authorized officer.
- 8.0.14.** "Signed" includes stamped, except in the case of an acceptance of tender or any amendment thereof
- 8.0.15.** "Site" means the place specified in the contract at which any work is required to be executed by the contractor under the contract or any other place approved by the Purchaser for the purpose;
- 8.0.16.** "Stores" means the goods specified in the contract which the contractor has agreed to supply under the contract;
- 8.0.17.** "Supply Order" means an order for supply of stores and includes an order for performance of service;
- 8.0.18.** "Test" means such test as is prescribed by the particulars or considered necessary by the Inspecting Officer whether performed or made by the Inspecting Officer or any agency acting under the direction of the Inspecting officer;
- 8.0.19.** "Unit" and "Quantity" means the unit and quantity specified in the contract;
- 8.0.20.** "Engineer / Engineer-in-Charge" Shall mean an executive of RailTel in charge of works and shall include the superior executives of RailTel. He is responsible for ensuring that all fieldworks covered by the contract are carried out in accordance with approved designs, drawings & specifications and conditions of contract as agreed to. "Engineer's Representative" Shall mean the supervisor of RailTel in direct charge of the works.
- 8.0.21.** The delivery of the stores shall be deemed to take place on delivery of the stores in accordance with the terms of the contract, after approval by the Inspecting Officer if so provided in the contract to
- (a) The consignee at his premises; or
 - (b) Where so provided the interim consignee at his premises, or
 - (c) A carrier or other person named in the contract for the purpose of transmission to the consignee, or
 - (d) The consignee at the destination station in case of contract stipulating for delivery of stores at destination station.
- 8.0.22.** "RailTel" Means M/s. RailTel Corporation of India Limited, which includes all the subordinate offices in Regions and territories.
- 8.0.23.** Deleted
- 8.0.24.** "Tenderer" or "Bidder" Means and includes any firm of engineers or Contractors or any company or body, corporate or otherwise, who submit the Tender which has been invited.
- 8.0.25.** "Work or Works" Means all or any of the items of the work for which the Tenderer/ Contractor has Tendered/contracted according to the specifications, drawings annexed or to be implied there from, or incidental thereto or to be hereafter specified or required in such explanatory instructions and drawings, being in conformity with the original specifications, drawings, Annexure and schedules and also such instructions and drawings additional to the aforementioned as may from time to time be issued by the Purchaser's Engineer during the progress of the contracted work.
- 8.0.26.** "Bid" or "Tender" shall mean the proposal/document that the BIDDER submits as his offer with price and conditions in the requested and specified format as detailed in 'Specifications' / 'Tender documents'.

8.0.27. "Purchaser's Engineer" Means the Chairman & Managing Director of RailTel or successor who will decide all matters relating to design, manufacture, installation and commissioning of the plant and equipment at site.

8.0.28. "CIP (Carriage & Insurance Paid) Destination" means the date of delivery would be the date on which the delivery is affected at the consignee's end within any of the RailTel's Region.

8.0.29. Words in the singular include the plural and vice versa

8.0.30. Words importing the masculine gender shall be taken to include the feminine gender and words importing persons shall include any company or association or body of individuals, whether incorporated or not;

8.0.31. The heading of these conditions shall not affect the interpretation or construction thereof;

8.0.32. Terms and expression not herein defined shall have the meanings assigned to them in the Indian Sale of Goods Act, 1930 (as amended), or the Indian Contract Act, 1872 (as amended) or the General Clauses Act, 1897 (as amended), as the case may be.

8.1.0 Parties-The parties to the contract are the Contractor and the Purchaser, as defined in Clauses 8.0.5 and 8.0.13.

8.1.1. Authority of person signing the Contract on behalf of the Contractor-A person signing the tender or any other document in respect of the Contract on behalf of the Contractor without disclosing his authority to do so shall be deemed to warrant that he has authority to bind the Contractor. If it is discovered at any time that the person so signing has no authority to do so, the Purchaser may, without prejudice to any other right or remedy of the Purchaser, cancel the contract and make or authorize the making of a purchase of the stores at the risk and cost of such person and hold such person liable to the Purchaser for all costs and damages arising from the cancellation of the contract including any loss which the Purchaser may sustain on account of such purchase. The provisions of Clause 8.6.0 and 8.6.2 shall apply to every such purchase as far as applicable.

8.1.2. Address of the Contractor and notices and communications on behalf of the Purchaser:-

(a) For all purposes of the contract, including arbitration there under, the address of the Contractor mentioned in the tender shall be the address to which all communications addressed to the Contractor shall be sent, unless the Contractor has notified change by a separate letter containing no other communication and sent by registered post acknowledgement due to the Purchaser. The Contractor shall be solely responsible for the consequence of an omission to notify a change of address in the manner aforesaid.

(b) Any communication or notice on behalf of the Purchaser in relation to the contract may be issued to the Contractor by the Purchase Officer and all such communications and notices may be served on the Contractor either by registered posts or under certificate of posting or by ordinary post or by hand delivery at the option of such officer.

8.2.0. Quotations of rates by Contractors

(a) The price quoted by the Contractor shall not be higher than the controlled price fixed by law for the stores or where there is no controlled price, it shall not exceed the prices or contravenes the norms for fixation of prices laid down by Government or where no such prices or norms have been fixed by the Government, it shall not exceed the price appearing in any agreement relating to price regulation by any industry in consultation with the Government.

In any case, save for special reasons stated in the tender, the price quoted shall not be higher than the lowest price charged by the Contractor for stores of the same nature, class or description to a private purchaser, domestic or foreign as well as Purchaser Governments.

(b) If the price quoted is higher than the controlled price or where there is no controlled price, the price usually charged by the Contractor from a private Purchaser, domestic or foreign, as well as Purchaser Government for the stores of the same nature, class or description the Contractor will specifically mention this fact in his tender giving reasons for quoting higher price(s). If he fails to do so or makes any mis-statement, it shall be lawful for the Purchaser,

- (i) to revise the price at any stage so as to bring it in conformity with the Sub-clause(a) above or
- (ii) to terminate the contract and forfeit the Security Deposit.

8.3.0. Contract.

8.3.1. This contract is for the supply of the stores of the description, specifications and drawings, and in the quantities set forth in the contract on the date or dates specified therein. Unless otherwise specified, the stores shall be entirely brand new and of the best quality and workmanship to the satisfaction of the Inspecting Officer. The stores shall further be in all respects acceptable to the Inspecting Officer.

8.3.2 Any variation or amendment of the contract shall not be binding on the Purchaser unless and until the same is duly endorsed on the contract or incorporated in a formal instrument or in exchange of letters and signed by the parties.

8.4.0. Security Deposit: As per Clause 6.5.

8.5.0. Delivery.

8.5.1. The Contractor shall as may be required by the Purchaser either deliver free or CIP (Carriage & Insurance Paid) or CIF (Cost, Insurance & Freight) at the place/places detailed in the contract, the quantities of the stores detailed therein and the stores shall be delivered not later than the date specified in the contract. The delivery will not be deemed to be complete until and unless the stores are inspected and accepted by the Inspecting Officer as provided in the contract.

8.5.2. The Purchaser shall not be liable to render assistance to the Contractor in securing or to arrange for or provide transport to the Contractor unless it is so specifically stated in the contract.

8.5.3. Notwithstanding any inspection and approval by the Inspecting Officer on the Contractor's premises, property in the stores shall not pass on to the Purchaser until the stores have been received, inspected and accepted by the consignee.

8.5.4. No stores shall be deliverable to the consignee on Sundays and public holidays without the written permission of the consignee.

8.6.0. Time for and Date of Delivery; the Essence of the Contract-

The time for and the date specified in the contract or as extended for the delivery of the stores shall be deemed to be of the essence of the contract and delivery must be completed not later than the date(s) so specified or extended.

8.6.1. Progressing of Deliveries- The Contractor shall allow reasonable facilities and free access to his works and records to the Inspecting Officer, Progress Officer or such other Officer as may be nominated by the Purchaser for the purpose of ascertaining the progress of the deliveries under the contract.

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

(a) recover from the Contractor as agreed liquidated damages and not by way of penalty a sum equivalent to Half per cent of the price of any stores (including elements of taxes, duties, freight, etc.) which the Contractor has failed to deliver within the period fixed for delivery in the contract or as extended for each week or part of a week during which the delivery of such stores may be in arrears where delivery thereof is accepted after expiry of the aforesaid period **The upper limit for recovery of liquidated damages will be 10% (Ten Percent) of Total contract value provided in the contractor**

(b) Cancel the contract or a portion thereof and forfeit the security deposit or encash performance bank guarantee.

(c) Cancel the contract or a portion thereof and if so desired purchase or authorize the purchase of the stores not so delivered or others of a similar description (where stores exactly complying with particulars are not, in the opinion of the Purchaser, which shall be final, readily procurable) at the risk and cost of the contractor.

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

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

8.6.2.1 Termination for Default –

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

- a) If the tenderer fails to deliver any or all of the goods within the time period(s) specified in the contract.
- b) If the tenderer fails to perform any other obligation(s) under the contract; and
- c) If the tenderer, in either of the above circumstance(s) does not remedy his failure within a period of 30 days (or such longer period as the Purchaser may authorize in writing) after receipt of the default notice from the Purchaser.
- d) In case of any of the above circumstances the RailTel shall pay the supplier for all products and services delivered till point of termination as per terms and conditions of the contract. However, any recovery and losses occurred to RailTel will be recovered from Contractor up to the value of contract.
- e) If 10% or more equipment found to be failed frequently again and again, the bidder may be barred for participating in the tender for a period of two years besides the above penalties to be imposed. Railtel keeps the right to terminate the contract in case of poor performance of quality and reliability of product supplied.

8.6.3 Consequence of Rejection- If on the stores being rejected by the Consignee at the destination, the Contractor fails to make satisfactory supplies within the stipulated period of delivery, the Purchaser shall be at liberty to: -

- (i) require the Contractor to replace the rejected stores forthwith but in any event not later than a period of 21 days from the date of rejection and the Contractor shall bear all cost of such replacement including freight, if any, on such replacing and replaced stores but without being entitled to any extra payment on that or any other account, or
- (ii) Cancel the contract and forfeit security deposit/encash Performance Bank Guarantee.
- (iii) the purchaser authorize the purchase of quantity of the stores rejected or others of a similar description (when stores exactly complying with particulars are not in the opinion of the purchaser which shall be final, readily available) without notice to the contractor at his risk and cost and without affecting the contractor's liability as regards the supply of any further installment due under the contract, or

8.7.0. Extension of Time for Delivery-

If such failure as aforesaid shall have arisen from any cause which the Purchaser may admit as reasonable ground for extension of time, the Purchaser shall allow such additional time as he considers to be justified by the circumstance of the case, and shall forgo the whole or such part, as he may consider reasonable, of his claim for such loss or damage as aforesaid.

8.8.0. Examination of Drawing, Specifications and Patterns-

When tenders are called for in accordance with a drawing, specification or sealed pattern the Contractor's tenders to supply in accordance with such drawing, specifications or sealed pattern shall, be deemed to be an admission on his part that he has fully acquainted himself with the details thereof and, in no circumstances, will any claim on his part which may arise on account of his insufficient examination of the said drawing, specification or scaled pattern, be considered.

8.9.0. Mistakes in Drawing.

The Contractor shall be responsible for and shall pay for any alterations for the works due to any discrepancies, errors or omissions in the drawings or other particulars supplied by him whether such drawings or particulars have been approved by the Purchaser or not provided that such discrepancies, errors or omissions be not due to inaccurate information or particulars furnished to the Contractor on behalf of the Purchaser. If any dimension figure upon a drawing or plan differ from those obtained by scaling the drawing or plan, the dimensions as figured upon the drawing or plan shall be taken as correct.

8.10.0. Samples.

8.10.1 Advance Sample- Where an advance sample is required to be approved under the terms of the contract, the Contractor shall submit the sample free of cost to the Inspecting Officer within the time specified in the acceptance of tender. If the Contractor is unable to do so, he must apply immediately to the Office issuing the acceptance of tender for extension of time stating the reasons for the delay. If the Purchaser is satisfied that a reasonable ground for an extension of time exists, he may allow such additional time as he considers to be justified (and his decision shall be final) with or without alteration in the delivery period stipulated in the acceptance of tender and on such conditions as he deems fit. In the event of the failure of the Contractor to deliver the advance sample by the date specified in the acceptance of tender or any other date to which the time may be extended as aforesaid by the Purchaser or of the rejection of the sample, the Purchaser shall be entitled to cancel the contract and, if so desired, purchase or authorize the purchase of the stores, in which case the provisions of Clause 8.6.0 shall apply as far as applicable.

8.10.2. Unless otherwise provided in the contract, all samples required for test shall be supplied by the Contractor free of cost. Where sample, which is supplied free, is rejected after examination and test, the same or whatever remains of the sample, after examination and test will be returned to the Contractor at his request and cost within three months of the date of such rejection at public tariff rate at Owner's risk.

8.10.3. Marking- Samples submitted shall be clearly labeled with the Contractor's name and address and the acceptance of tender number.

8.10.4. If the Contractor submits a sample whether with, before or after the tender, the same shall not govern the standard of supply except when it has been specifically stated so in the acceptance of tender.

8.10.5. Where under the contract, the Contractor is required to submit an advance sample, any expenses incurred by the Contractor on or in connection with the production of stores in bulk, before the sample has been approved unconditionally, shall be borne by the Contractor and he shall not claim any compensation in the event of such sample being found unacceptable by the Inspecting Officer.

8.10.6. The rejection of the sample by the Inspecting Authority or Inspecting Officer shall be final and binding on the Contractor.

8.10.7. Where the contract does not require any advance sample to be approved, the Contractor may before proceeding with bulk manufacture or delivery of the stores, if he so desires, submit to the Inspecting Officer for inspection a sample of the stores in which case a quantity not less than one per cent of the total quantity to be supplied unless otherwise authorized by the Inspecting Officer shall be submitted. The Contractor shall not, however, be entitled to be shown any consideration or give any extension of time or claim to be exonerated from completing the delivery within the stipulated period only on the ground of delay in the approval of any such sample.

8.11.0. Risk of Loss or Damage to Purchaser's Property.

8.11.1 All the property of the Purchaser loaned whether with or without deposit on terms and conditions to be separately agreed upon in respect of each particular contract to the Contractor in connection with the contract shall remain the property of the Purchaser, as the case may be. The Contractor shall use such property for the purpose of the execution of the contract and for no other purpose whatsoever.

8.11.2. All such property shall be deemed to be in good condition when received by the Contractor unless he shall have within twenty-four hours of the receipt thereof notified the Purchase Officer to the contract. If the Contractor fails to notify any defect in the condition or quality of such property he shall be deemed to have lost the right to do so at any subsequent stage.

8.11.3. The Contractor shall return all such property and shall be responsible for the full value thereof to be assessed by the Purchaser whose decision shall be final and binding on the Contractor. The Contractor shall be liable for loss or damage to such property from whatever cause happening while such property is in the possession of or under the control of the Contractor, his servants, workmen, or agents.

8.11.4. Where such property is insured by the Contractor against loss or fire at the request of the Purchaser such insurance shall be deemed to be effective by way of additional Precaution and shall not prejudice the liability of the Contractor as aforesaid.

8.12.0. Facilities for test and Examination- The Contractor shall, at his own expense afford to the Inspecting Officer all reasonable facilities as may be necessary for satisfying himself, that the stores are being and/or have been manufactured in accordance with the particulars. The Inspecting Officer shall have full and free access at any time during the execution of the contract to the Contractor's work for the purpose aforesaid, and he may require the Contractor to make arrangements for inspection of the stores or any part thereof or any material at his premises or at any other place specified by the Inspecting Officer and if the Contractor has been permitted to employ the services of a Sub-Contractor, he shall in his contract with the Sub-Contractor, reserve to the Inspecting Officer a similar right.

8.12.1. Cost of Test- The Contractor shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting Officer may demand of him for any test and examination, other than special or independent test, which he shall require to make on the Contractor's or Consignee's Premises and the Contractor shall bear and pay all costs attendant thereon. If the Contractor fails to comply with the conditions aforesaid, the Inspecting Officer shall, in his sole judgment, be entitled to remove for test and examination all or any of the stores manufactured by the Contractor to any premises other than his (Contractor's) and in all such cases the Contractor shall bear the cost of transport and/or carrying out such tests elsewhere. A certificate in writing of the Inspecting Officer that the Contractor has failed to provide the facilities and the means, for test examination shall be final.

8.12.2. Delivery of Stores for Test- The Contractor shall also provide and deliver for test, free of charge, at such place other than his premises as the Inspecting Officer may specify, such material or stores as he may require.

8.12.3. Liability for Costs of Special or Independent Test- In the events of rejection of stores or any part thereof by the Inspecting Officer in the consequence of the sample which is removed to the laboratory or other places of test, being found on test not in conformity with the Contract and in the event of the failure of the Contractor for any reason to deliver the stores passed on test within the stipulated period, the Contractor shall, on demand pay to the Purchaser all costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the laboratory to private persons for similar work.

8.12.4. Method of Testing- The Inspecting Officer shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may think fit and proper. The Contractor shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting Officer.

8.12.5. Stores Expended in Test- Unless otherwise provided for in the contract if the test proves satisfactory and the stores or any installment thereof is accepted, the quantity of the stores or materials expended in the test will be deemed to have been taken delivery of by the Purchaser and be paid for as such.

8.12.6. Powers of Inspecting Officer- The Inspecting Officer shall have the power:-

- (i) Before any stores or part thereof are submitted for inspection to certify that they cannot be in accordance with the contract owing to the adoption of any unsatisfactory method of manufacture.
- (ii) To reject any stores submitted as not being in accordance with the particulars.
- (iii) To reject the whole of the installment tendered for inspection, if after inspection of such portion thereof as "he may in his discretion think fit", he is satisfied that the same is unsatisfactory.
- (iv) The Inspecting Officer's decision as regards the rejection shall be final and binding on the Contractor.

8.13.0. Charges for Work Necessary for Completion of the Contract-

The Contractor shall pay all charges for handling, stamping, painting, marking, protecting or preserving patent rights, drawings, templates, models and gauges and for all such measures as the Purchaser or the Inspecting Officer may deem necessary for the proper completion of the contract, though special provision therefore may not be made in the specification of drawings.

8.14.0. Responsibility of the Contractor for Executing the Contract.

8.14.1. Risk in the Stores- The Contractor shall perform the contract in all respects in accordance with the terms and conditions thereof. The stores and every constituent part thereof, whether in the possession or control of the Contractor, his agents or servants or a carrier, or in the joint possession of the Contractor, his agents or servants and the Purchaser, his agents or servants, shall remain in every respect at the risk of the Contractor, until their actual delivery to the consignee at the stipulated place or destination or, where so provided in the acceptance of tender, until their delivery to a person specified in the contract as interim consignee for the purpose of dispatch to the consignee. The Contractor shall be responsible for all loss, destruction, damage or deterioration of or to the stores from any cause whatsoever while the stores after approval by the Inspecting Officer are awaiting dispatch or delivery or are in the course of transit from the Contractor to the consignee or, as the case may be, interim consignee. The Contractor shall alone be entitled and responsible to make claims against a RailTel Administration or other carrier in respect of non-delivery, short delivery, mis-delivery, loss, destruction, damage or deterioration of the goods entrusted to such carrier by the Contractor for transmission to the consignee or the interim consignee as the case may be.

8.14.2. Consignee's Right of Rejection – Notwithstanding any approval which the Inspecting Officer may have given in respect of the stores or any materials or other particulars or the work or workmanship involved in the performance of the contract (whether with or without any test carried out by the Contractor or the Inspecting Officer or under the direction of the Inspecting Officer) and notwithstanding delivery of the stores where so provided to the interim consignee, it shall be lawful for the consignee, on behalf of the Purchaser, to reject the stores or any part, portion or consignment thereof within a reasonable time after actual delivery thereof to him at the place or destination specified in the contract if such stores or part, portion or consignment thereof is not in all respects in conformity with the terms and conditions of the contract whether on account of any loss, deterioration or damage before dispatch or delivery or during transit or otherwise howsoever.

Note- In respect of materials pre-inspected at the firm's premises the consignee will issue rejection advice within 90 days from the date of receipt.

8.14.3. Provided that where, under the terms of the contract the stores are required to be delivered to an interim consignee for the purpose of dispatch to the consignee, the stores shall be at the Purchaser's risk after their delivery to the interim consignee, but nevertheless it shall be lawful for the consignee on behalf of the Purchaser to reject the stores or any part, portion of consignment thereof upon their actual delivery to him at the destination if they are not in all respects in conformity with the terms and conditions of contract except where they have been damaged or have deteriorated in the course of transit or otherwise after their delivery to the interim consignee.

8.14.4. The provisions contained in Clause 8.19.0 relating to the removal of stores rejected by the Inspecting Officer shall mutatis mutandis apply to stores rejected by the consignee as herein provided.

Note- In respect of stores inspected during manufacture or before delivery or dispatch at contractor's premises the consignee will issue communication of rejection within 90 days from the date of actual delivery thereof.

8.14.5. Subletting and Assignment- The Contractor shall not, save with the previous consent in writing of the Purchaser, sublet, transfer or assign the contract or any part thereof or interest therein or benefit or advantage thereof any manner whatsoever.

In the event of the Contractor's subletting or assigning this contract or any part thereof without such permission, the Purchaser shall be entitled to cancel the contract and to purchase the stores elsewhere on the Contractor's account and risk and the Contractor shall be liable for any loss or damage which the Purchaser may sustain in consequence or arising out of such purpose.

8.14.6. Changes in a Firm:-

- a) Where the Contractor is a partnership firm, a new partner shall not be introduced in the firm except with the previous consent in writing of the Purchaser, which may be granted only upon execution of a written undertaking by the new partner to perform the contract and accept all liabilities incurred by the firm under the contract prior to the date of such undertaking.
- b) On the death or retirement of any partner of the Contractor firm before complete performance of the contract, the Purchaser may, at his option, cancel the contract and in such case the Contractor shall have no claim whatsoever to compensation against the Purchaser.
- c) If the contract is not determined as provided in Sub-clause (b) above notwithstanding the retirement of a partner from the firm he shall continue to be liable under the contract for acts of the firm until a copy of the public notice given by him under Section 32 of the Partnership Act, has been sent by him to the Purchaser by registered post acknowledgement due.
- d) **Consequence of breach** - Should a partner in the Contractor firm commit a breach of Sub-clause 8.14.5 above or the Contractor should commit a breach of the conditions 8.14.6 (a) of this Sub-clause, it shall be lawful for the Purchaser to cancel the contract and purchase or authorize the purchase of the stores at the risk and cost of the Contractor and in that event the provisions of Clauses 8.5.0 and 8.6.0 as far as applicable shall apply.
- e) The decision of the Purchaser as to any matter or thing concerning or arising out of this sub-clause or on any question whether the Contractor or any partner of the Contractor firm has committed a breach of any of the conditions in this sub-clause contained shall be final and binding on the Contractor.

8.15.0. Indemnity.

- 8.15.1.** The Contractor shall at all times indemnify the Purchaser against all claims which may be made in respect of the stores for infringement of any right protected by patent, registration of designs or trade mark. Provided always that in the event of any claim in respect of alleged breach of letters patent, registered designs or trade mark being made against the Purchaser, the Purchaser shall notify the Contractor of the same and the Contractor shall, at his own expense, either settle any such dispute or conduct any litigation that may arise there from.
- 8.15.2.** The Contractor shall not be liable for payment of any royalty, license fee or other expenses in respect of or for making use of patents or designs with respect to which he is according to the terms of the contract, to be treated as an agent of the Government for the purpose of making use of patent or trade mark for fulfillment of the contract.

8.16.0. Packing.

- 8.16.1.** The Contractor shall pack at his own cost the stores sufficiently and properly for transit by rail/road, air and/or sea as provided in the contract so as to ensure their being free from loss or damage on arrival at their destination.
- 8.16.2.** Unless otherwise, provided in the contract all containers (including packing cases, boxes, tins, drums and wrappings) in which the stores are supplied by the contractor, shall be considered as non-returnable and their cost as having been included in the contract price.
- 8.16.3.** If the contract provides that the containers shall be returnable, they must be marked "Returnable" and they will be returned to the Contractor as per terms of the contract.
- 8.16.4.** If the contract provides that returnable containers shall be separately charged, they shall be invoiced by the Contractor at the price specified in acceptance of tender. In such cases, the Contractor shall give full credit for the invoiced amount if the containers are returned to the Contractor. Return of containers shall be made within a reasonable time and in the event of any dispute or difference arising as to whether the containers were so returned, the decision of the Purchaser thereon shall be final and binding and the Purchaser may, in his discretion award, such compensations as may in his opinion be proper for any undue delay in returning the containers.
- 8.16.5.** Each bale or package delivered under the contract shall be marked by the Contractor or at his own expense. Such marking shall be distinct (all previous irrelevant marking being carefully obliterated) and shall clearly indicate the description and quantity of the stores, the name and address of the Consignee, the gross weight of the package and the name of the

Contractor with a distinctive number or mark sufficient for the purpose of identification. All markings shall be carried out with such material as may be found satisfactory by the Inspecting Officer as regards quickness of drying, fastness and indelibility.

8.16.6. The Inspecting Officer may reject the stores if the stores are not packed/or marked as aforesaid and in case where the packing materials are separately prescribed, if such materials are not in accordance with the terms of the contract. Such rejection of the stores by the Inspecting Officer shall be final and binding on the Contractor.

8.16.7. Each bale or package shall contain a packing note specifying the name and address of the Contractor, the number and date of the acceptance of tender or supply order and the designation of the Purchase Officer issuing the supply order, the description of the stores and the quantity contained in such bale or package.

8.17.0 Notification of Delivery.

Notification of delivery or dispatch in regard to each and every installment shall be made to the consignee and to the indent or immediately on dispatch or delivery. The Contractor shall further supply to the consignee, or the interim consignee, as the case may be, a packing account Quoting number of the acceptance of tender and/or supply or repeat and date of dispatch of the stores. All packages, containers, bundles and loose materials part of each and every installment shall be fully described in the packing account and full details of the contents of the packages and quantity of materials shall be given to enable the consignee to check the stores on arrival at destination. The Railway Receipt/Consignment Note or Bill of Lading, if any, shall be forwarded to the consignee by registered post immediately on the dispatch of stores. The Contractor shall bear and reimburse to the Purchaser demurrage charges, if any, paid by reason of delay on the part of the Contractor in forwarding the Railway Receipt, Consignment Note or Bill of Lading.

8.18.0. Progress Reports.

8.18.1. The Contractor shall from time-to-time, render such reports concerning the progress of the contract and/or supply of the stores in such form as may be required by the Purchaser.

8.18.2. The submission, receipt and acceptance of such reports shall not prejudice the rights of the Purchaser under the contract, nor shall operate as an estoppel against Purchaser merely by reason of the fact that he has not taken notice of/or subjected to test any information contained in such report.

8.19.0. Removal of Rejected Stores.

8.19.1. On rejection of all stores submitted for inspection at a place other than the premises of the Contractor, such stores shall be removed by the Contractor at his own cost subject as hereinafter stipulated, within 21 days of the date of intimation of such rejection. If the concerned communication is addressed and posted to the Contractor at the address mentioned in the contract, it will be deemed to have been served on him at the time when such communication would be in the course of ordinary post reach the Contractor. Provided that the Inspecting Officer may call upon the Contractor to remove dangerous, infected or perishable stores within 48 hours of the receipt of such communication and the decision of the Inspecting Officer in this behalf shall be final in all respects.

Provided further that where the price or part thereof has been paid, the consignee is entitled without prejudice to his other rights to retain the rejected stores till the price paid for such stores is refunded by the Contractor save that such retention shall not in any circumstances be deemed to be acceptance of the stores or waiver of rejection thereon.

8.19.2. All rejected stores shall in any event and circumstances remain and always be at the risk of the Contractor immediately on such rejection. If such stores are not removed by the Contractor within the periods aforementioned, the Inspection Officer may remove the rejected stores and either return the same to the contractor at his risk and cost by such mode of transport as the Purchaser or Inspecting Officer may decide, or dispose of such stores at the Contractor's risk and on his account and retain such portion of the proceeds, if any from such disposal as may necessary to recover any expense incurred in connection with such disposals (or any price refundable as a consequence of such rejection). The Purchaser shall, in addition, be entitled to recover from the Contractor ground rent/demurrage charges on the rejected stores after the expiry of the time limit mentioned above.

8.19.3. The stores that have been dispatched by road or courier and rejected after arrival at destination may be taken back by the Contractor either at the station where they were rejected or at the station from which they were sent, after refunding the price paid for such stores and other charges refundable as a consequence of such rejection. If the contract placed for delivery FOR station of dispatch, the Contractor shall pay the carriage charges on the rejected consignment at public tariff rates from the station of dispatch to the station where they are rejected. If the Contractor elects to take back the goods at the station from which they were dispatched, the goods shall in addition, be booked back to him freight to pay at public tariff rates and at owner's risk. The Contractor shall be liable to reimburse packing and incidental costs and charges incurred in such return or rejected stores in addition to other charges refundable as a consequence of rejection. The goods shall remain the property of the Contractor unless and until accepted by the Purchaser, after inspection.

8.20.0. System of Payment.

8.20.1. Unless otherwise agreed upon between the parties, payment for delivery of the stores will be made on submission of bills in the prescribed form which may be obtained from the Purchase Officer in accordance with the instructions given in the acceptance of Tender, by RTGS/NEFT as may be decided by the Purchaser.

8.20.2. Payment for the stores or for each consignment thereof will be made to the Contractor on submission of bills accompanied by required document in accordance with the mutually agreed terms & conditions, procedure has been agreed to by the Purchaser.

8.20.3. In all other contracts or in contracts where the Inspecting Officer also acts as the interim consignee or where inspection is carried on by the Consignee himself at destination and in all cases of local delivery full payment shall be made on submission of " Final 100 percent bill " supported by the Inspection Certificates and consignee's receipt as aforesaid to the Accounts Officer concerned.

8.21.0. Withholding and lien in respect of sums claimed.

8.21.1. Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the Contractor, the Purchaser shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any, deposited by the Contractor and for the purpose aforesaid, the Purchaser shall be entitled to withhold the said cash security deposit or the security, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the Contractor, the Purchaser shall be entitled to withhold and have lien to retain to the extent of the such claimed amount or amounts referred to supra, from any sum or sums found payable or which at any time-thereafter may become payable to the Contractor under the same contract or any other contract with the Purchaser pending finalization or adjudication of any such claim.

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above, by the Purchaser will be kept withheld or retained as such by the Purchaser till the claim arising out of or under the contract is determined by the Arbitrator (if the contract is governed by the arbitration clause) or by the competent court as prescribed under clause 8.24.3 hereinafter provided, as the case may be, and that the Contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to supra and duly notified as such to the Contractor.

8.21.2. For the purpose of Clause 8.21.1, where the Contract or is a partnership firm or a limited company, the Purchaser shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company, as the case may be, whether in his individual capacity or otherwise.

8.21.3. Lien in respect of Claims in other Contracts

- (a) Any sum of money due and payable to the Contractor (including the security deposit returnable to him) under the contract may withhold or retain by way of lien by the Purchaser or RailTel against any claim of the Purchaser or RailTel in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with the Purchaser or RailTel.

- (b) It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Purchaser or RailTel will be kept withheld or retained as such by the Purchaser or RailTel till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitrator, if the contract is governed by the arbitration clause or by the competent court under Clause 8.24.3 hereinafter provided, as the case maybe, and that the Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the Contractor.

8.22.0. Corrupt Practices

8.22.1. The contractor shall not offer or give or agree to give to any person in the employment of the purchaser or working under the orders of the Purchaser any gift or consideration of any kind as an inducement or reward for doing on for bearing to do or for having done or forborne to do any act in relation to the obtaining execution of the contract or any other contract with the Purchaser or for showing any favour or for bearing to show disfavor to any person in relation to the contract or any other contract with the Purchaser. Any breach of the aforesaid condition by the contractor or any one employed by him or acting on his behalf (whether with or without the Knowledge of the contractor) or the commission of any offence by the contractor or by any one employed by him or acting on his behalf under Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the prevention of corruption by public servants shall entitle the Purchaser to cancel the contract and all or any other contracts with the contractor and to recover from the contractor the amount of any loss arising from such cancellation in accordance with the provisions of Clauses 8.5.0 and 8.6.0.

8.22.2. Any dispute or difference in respect of either the interpretation effect or application of the above condition or of the amount recoverable there under by the Purchaser from the contractor, shall be decided by the Purchaser, whose decision thereon shall be final and binding on the contractor.

8.23.0. Insolvency and Breach of Contract.

8.23.1. The Purchaser may at any time, by notice in writing summarily determine the contract without compensation to the Contractor in any of the following events, that is to say:

- (a) If the Contractor being an individual or if a firm, any partner thereof, shall at any time, be adjudged insolvent or shall have a receiving order or order for administration of his estate made against him or shall take any proceeding for composition under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or enter into any assignment or composition with his creditors or suspend payment or if the firm be dissolved under the Partnership Act, **or**
- (b) If the Contractor being a company is wound up voluntarily or by the order of a Court or a Receiver, Liquidator or Manager on behalf of the Debenture-holders is appointed or circumstances shall have arisen which entitle the Court or Debenture holders to appoint a Receiver, Liquidator or Manager, **or**
- (c) If the Contractor commits any breach of the contract not herein specifically provided for. Provided always that such determination shall not prejudice any right of action or remedy which shall have accrued or shall accrue thereafter to the Purchaser and provided also the Contractor shall be liable to pay to the Purchaser for any extra expenditure he is thereby put to and Contractor shall, under no circumstances, be entitled to any given on re-purchase.

8.24.0. Laws governing the Contract.

8.24.1. This contract shall be governed by the Laws of India for the time being in force.

8.24.2. Irrespective of the place of delivery, the place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.

8.24.3. Jurisdiction of courts- This Courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract.

8.24.4. Marking of stores- The marking of the stores must comply with the requirements of the laws relating to merchandise marks for the time being in force in India.

8.24.5. Compliance with provisions of Contract Labour (Regulation and Abolition) Act, 1970:

- 1) The Contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the Contractor Labour (Regulation and Abolition) Central Rules, 1971, as modified from time-to-time, wherever applicable and shall also indemnify the Purchaser from and against any claims under the aforesaid Act and the Rules.
- 2) The Contractor shall obtain a valid license under the aforesaid Act as modified from time-to-time before the commencement of the contract and continue to have a valid license until the completion of the contract. Any failure to fulfill this requirement shall attract the penal provisions of the contract arising out of the resultant non-execution of the contract.
- 3) The Contractor shall pay to labour employed by him directly or through Sub-Contractors the wages as per provisions of the aforesaid Act and the Rules wherever applicable. The Contractor shall, notwithstanding the provisions of the contract to the contrary, cause to be paid the wages to labour indirectly engaged on the contract including any engaged by his Sub-Contractors in connection with the said contract, as if the labour had been immediately employed by him.
- 4) In respect of all labour directly or indirectly employed in the contract for performance of the Contractor's part of the contract, the Contractor shall comply with or cause to be complied with the provisions of the aforesaid Act and the Rules wherever applicable.
- 5) In every case in which, by virtue of the provisions of the aforesaid Act or the Rules, the Purchaser is obliged to pay any amount of wages to a workman employed by the Contractor or his Sub-Contractor in execution of the contract or to incur any expenditure in providing welfare and health amenities required to be provided under the aforesaid Act and the Rules or to incur any expenditure on account of the contingent liability of the Purchaser due to the Contractor's failure to fulfill his statutory obligations under the aforesaid Act or the Rules the Purchaser will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred, and without prejudice to the rights of the Purchaser under Section 20, Sub-section (2) and Section 21, Sub-section (4) of the aforesaid Act, the Purchaser shall be at liberty to recover such amount or part thereof by deducting it from the security deposit and/or from any sum due by the Purchaser to the Contractor whether under the contract or otherwise. The Purchaser shall not be bound to contest any claim made against it under Sub-section (i) of Section 20 and Sub-section (4) of Section 21 of the aforesaid Act except on the written request of the Contractor and upon his giving to the Purchaser full security for all costs for which the Purchaser might become liable in contesting such claim. The decision of the Purchaser regarding the amount actually recoverable from the Contractor as stated above, shall be final and binding on the Contractor.

8.25.0. Headings.

The headings of conditions hereto shall not affect the construction thereof.

8.26.0 Settlement of Disputes/ Arbitration

- 1) Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996 as amended and the award made in pursuance thereof shall be binding on the parties. The venue of such arbitration or proceedings thereof shall be at New-Delhi.
- 2) All arbitration proceedings shall be conducted in English. Recourse against any arbitral award so rendered maybe entered into court having jurisdiction or application may be made to such court for the order of enforcement as the case may be.
- 3) The Arbitral Tribunal shall consist of the Sole Arbitrator appointed by CMD/RailTel, if the value of claim is up to Rs. 10 lakh. If the value of the claim or amount under dispute is more than Rs. 10 Lakhs, the matter shall be referred to the adjudication of arbitral council. Chairman Managing Director (CMD) of RailTel shall furnish a panel of three names to the contractor, out of which, contractor will recommend one name to be his nominee and then CMD/RailTel shall appoint one name as RailTel's nominee and these two arbitrators with mutual consent shall appoint a third arbitrator who shall act as the deciding arbitrator in terms of Arbitration and Conciliation Act. The award of the sole arbitrator or the Arbitral council, as the case may be, shall be final and binding on both the parties. Each of the parties agree that notwithstanding that the matter may be referred to Arbitrator as provided herein, the parties shall nevertheless pending

the resolution of the Controversy or disagreement, continue to fulfill their obligation under this Agreement so far as they are reasonably able to do so.

8.27.0. Inspection & Rejection:-

Where under a contract the price payable is fixed on FOR station of dispatch basis, the Contractor shall, if the consignee rejects the stores at destination be liable in addition to his other liabilities, to reimburse to the Purchaser the freight paid by the Purchaser.

8.27.1 Notification of Result of inspection.- Unless otherwise provided in the specification of schedule, the examination of the stores will be made as soon as practicable after the same have been submitted for inspection and the result of the examination will be notified to the Contractor.

8.27.2 Inspection Notes.--On the stores being found acceptable by the inspecting Officer he shall furnish the Contractor with necessary copies of Inspection Notes duly completed, for being attached to the Contractor's bill in support thereof.

8.28.0 Warranty/Guarantee

8.28.1 The supplier shall warrant that material to be supplied shall be new and free from all defects and faults in material, workmanship, manufacture and shall be of the highest grade consistent with the established and generally accepted standards of materials for the type ordered and shall perform in full conformity with the specifications and drawings. The supplier shall be responsible for any defects (with respect to the specification of the material) that may develop subsequently under the conditions provided in the contract under proper use, arising out of faulty materials, design or workmanship such as corrosion, inadequate quantity of material to meet equipment requirements, deficiencies in design and/ or otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser who shall state in writing in what respect the stores are faulty.

8.28.2 If it becomes necessary for the contractor to replace or renew any defective portion/portions of the supplies under this clause, the provisions of the clause shall apply to the portion/portions of the equipment/ material so replaced or renewed or until the end of the above mentioned period, whichever may be later. If any defect is not remedied within a reasonable time, the Purchaser may proceed to do the work at the contractor's risk and expenses, but without prejudice to any other rights which the Purchaser may have against the contractor in respect of such defects.

8.28.3 Replacement under warranty clause shall be made by the contractor free of all charges at site including freight, insurance and other incidental charges.

8.28.4 The Contractor/Seller hereby covenants that it is a condition of the contract that all goods/stores/articles furnished to the Purchaser under this contract shall be of the highest grade free of all defects and faults and of the best materials, quality, manufacture and workmanship throughout and consistent with the established and generally accepted standards for materials of the type ordered and in full conformity with the contract specification, drawing or sample, if any and shall, if operable, operate properly.

8.28.5 The Contractor also guarantees that the said goods/stores/articles would continue to conform to the description and quality as aforesaid, for a period as mentioned in **BID data sheet** after their delivery or after a period as mentioned in BID data sheet from the date of placement in service whichever shall be sooner, and this warranty shall survive notwithstanding the fact that the goods/stores/articles may have been inspected, accepted and payment thereof made by the Purchaser.

8.28.6 If during the aforesaid period, the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated, otherwise that by fair wear and tear the decision of the Purchaser in that behalf being final and conclusive that the Purchaser will be entitled to reject the said goods/stores/articles or such portions thereof as may be discovered not to conform to the said description and quality. On such rejection, the goods/stores/articles will be at the Seller's risk. If the Contractor/Seller so desires, the rejected goods may be taken over by him or his agents for disposal such manner as he may deem fit within a period of 3 months from the date of such rejection. At the expiry of the period, no claim whatsoever shall lie against the **Purchaser** in respect of the said goods/stores/articles, which may be disposed of by the Purchaser in such manner as he thinks fit. Without prejudice to the generality of the foregoing, all

the provisions in the Standard Conditions of Contract relating to the 'rejection of stores' and 'failure' and 'termination' and Clause 8.27.0- 2 above shall apply.

- 8.28.7 The Contractor/Seller shall, if required, replace the goods or such portion thereof as have been rejected by the Purchaser, free of cost, at the ultimate destination, or at the option of the Purchaser, the Contractor/Seller shall pay to the Purchaser, the value thereof at the contract price and such other expenditure and damage as may arise by reason of the breach of the conditions hereinbefore specified. Nothing herein contained shall prejudice any other right of the Purchaser in that behalf under this contract or otherwise.

8.29.0. Inspection at the Fag end of the Delivery Period-

In cases where only a portion of the stores ordered is tendered for inspection at the Fag end of the delivery period and also in cases where inspection is not completed in respect of the portion of the stores tendered for inspection during the delivery period, the Purchaser reserves the right to cancel the balance quantity not tendered for inspection within the delivery period fixed in the contractor the risk and expense of the Contractor without any further reference to him. If the stores tendered for inspection during or at the fag end of the delivery period are not found acceptable after carrying out the inspection, the purchaser is entitled to cancel the contract in respect of the same at the risk and expense of the contractor. If, however, the stores tendered for inspection are found acceptable, the Purchaser may grant an extension of the delivery period subject to the following conditions:

- (a) The Purchaser has the right to recover from the contractor under the provision of clause 8.6.2 (a) of Standard Conditions of Contract liquidated damages on the stores which the Contractor has failed to deliver within the period fixed for delivery.
 - (b) That no increase in price on account of any statutory increase in or fresh imposition of Customs Duty, Excise Duty, Sales Tax on account of Foreign Exchange variation or on account of any other tax or duty leviable in respect of stores specified in the contract which takes place after the date of the delivery period stipulated in the contract shall be admissible on such of the said stores as are delivered after the date of the delivery stipulated in the contract.
 - (c) That notwithstanding any stipulation in the contract for increase in price on any other ground no such increase which takes place after the date of the delivery stipulated in the contract shall be admissible on such of the said stores as are delivered after the expiry of the delivery period stipulated in the contract.
 - (d) But nevertheless, the Purchaser shall be entitled to the benefit fit of any decrease in price on account of reduction in or remission of Custom Duty, Sales Tax or on account of Foreign Exchange variation or on account of any other Tax or Duty or on other ground as stipulated in the price variation, clause which takes place after the expiry of the date of delivery period stipulated in the contract.
- 8.29.1. The Contractor shall not dispatch the Stores till such time as an extension in terms of para 8.29.0 (a) to (d) above is granted by the Purchaser and accepted by the Contractor. If the stores are dispatched by the Contractor before an extension letter as aforesaid is issued by the Purchaser and the same are accepted by the Consignee, the acceptance of the stores shall be deemed to be subject to the conditions (a) to (d) mentioned in the paragraph 8.29.0 above.
- 8.29.2. In case where the some or the entire quantity has not been tendered for inspection with in the delivery period stipulated in the contract and the Purchaser chooses to grant an extension of the delivery period the same would be subject to conditions (a) to (d) mentioned in the paragraph 8.29.0 above.

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Chapter 9

Annexure-I

QUALIFYING CRITERIA USER'S CERTIFICATE

Name of the Firm Contract No. & date

Scope of Work:

Contract Amount (in Indian Rupees):

Completion Period as per contract Data of Commencement:

Actual date of Successful Completion:

Quality of work : Satisfactory / unsatisfactory
(Please specify)

Name:
Dated:
Designation:
E-mail id:
Contact No:

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PROFORMA FOR PERFORMANCE BANK GUARANTEE

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

1. In consideration of the RailTel Corporation of India Limited, 1-10-39 to 44, 6A, 6th floor, Gumidelli Towers, Begumpet Airport Road, Begumpet, Hyderabad – 500016. (Herein after called RailTel) having agreed to exempt(Hereinafter called “the said Contractor(s)”) from the demand, under the terms and conditions of an Agreement No.....dated.....made between.....and..... for (hereinafter called “ the said Agreement”) of security deposit for the due fulfillment by the said Contractor (s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs.(Rs only). We (indicate the name of the Bank) hereinafter referred to as “the Bank”) at the request of Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding Rs. against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.
2. We, Bank and our local branch at New Delhi (indicate detail address of local New Delhi branch with code no.) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs
3. We, bank undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / Tenderer(s) in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal. The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the Contractor(s) / Tenderer(s) shall have no claim against us for making such payment.
4. We, Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before the We shall be discharged from all liability under this Guarantee thereafter.
5. We,..... (indicate the name of Bank) further agree with the RailTel that the RailTel shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time of to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.

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

We, the Bank further agree that this guarantee shall be invokable at our place of business at/New Delhi (indicate detailed address of local New Delhi Branch with code no.). The branch at New delhi is being advised accordingly. (indicate the name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.

Dated the day of , 2024

(indicate the name of the Bank) for

1. **Witness**
Signature
Name

2. Signature
Name



Format for Bid Security Declaration

(On non-judicial stamp paper of Rs. 100/-)

Whereas, I/We _____ (Name of Agency) has submitted bid for _____ (Name of Work and Tender No.) and whereas Earnest Money Deposit is being exempted in the aforesaid tender to give relief to the bidders as per Govt. of India guidelines due to severe financial crunch on account of slowdown in the economy due to the pandemic,

I/We hereby submit the following "Bid Security Declaration" in lieu of exemption from submitting Earnest Money Deposit :-

1) If I/We withdraw or modify my/our bid during the bid validity period (including extended validity of tender) specified in the tender documents;

Or

2) If, after the award of work, I/We fail to accept LOA/LOI, or to sign the contract agreement or fail to submit performance guarantee or fail to commence the work within stipulated time period prescribed in tender documents;

Or

3) If I/We furnish any incorrect or false statement / information/ document;

Or

4) If I/We hide any relevant information or do not disclose any material fact in the tender;

Or

5) If I/We commit any breach of integrity Pact;

I/We may be disqualified and banned for a period of three years and shall not be eligible to bid for future tenders in RailTel for the period of three years from date of issue of such orders. s

(Signed by the Authorized Representative of Firm)

Name of Authorized Representative

Name of Firm

Date



Certificate for Land Border sharing

I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority [The Competent Authority for the purpose of registration under this Order shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT)].

II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

III. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -

- a. An entity incorporated, established or registered in such a country; or
- b. A subsidiary of an entity incorporated, established or registered in such a country; or
- c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d. An entity whose beneficial owner is situated in such a country; or
- e. An Indian (or other) agent of such an entity; or
- f. A natural person who is a citizen of such a country; or
- g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

IV. The beneficial owner for the purpose of (III) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation

- a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
 - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Certificate to be given by the Tenderer:

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

applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Certificate to be given by Tenderer for Works involving possibility of sub-contracting:

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



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Form-I Undertaking of No Deviation

(1) The following are the particulars of deviations from the requirements of the tender specification.

Clause	Deviation	Remarks
		(Including justification)

(2) The following are the particulars of deviations from the requirements of the instructions to Tenderers, General and Special Conditions of contract-

Clause	Deviation	Remarks
		(Including justification)

Signature and seal of the Tenderer

Note: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".

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Form-II

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY TENDERER ALONG WITH THE TENDER DOCUMENTS

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

I..... (Name and designation)** appointed as the attorney/authorized signatory of the tenderer (including its constituents), M/s..... (hereinafter called the tenderer) for the purpose of the Tender documents for the work of _____ as per the tender No. _____ of (-----Railway), do hereby solemnly affirm and state on the behalf of the tenderer including its constituents as under:

- (i) I/We the tenderer (s) am/are signing this document after carefully reading the contents.
(ii) I/we the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
(iiii) I/We hereby declare that I/We have downloaded the tender documents from RailTel's website www.railtelindia.com or GEM PORTAL Portal. I/We have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenderer's, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
(iv) 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.
(v) 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.
(vi) I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents submitted by us.
(vii) 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 tenders, it shall lead to forfeiture of the tender EMD besides banning of business for five year on entire IR. Further, I/we (insert name of the tenderer) ** _____ and all my/our constituents understand that my/our offer shall be summarily rejected.
(viii) 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 year on entire IR.

DEPONENT SEAL AND SIGNATURE OF THE TENDERER

VERIFICATION

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

DEPONENT SEAL AND SIGNATURE OF THE TENDERER

Place:

Dated:

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

Form-III Bidder's Organization data sheet.

1	Name of the Organization	
2	Name of the Authorized Person Submitting the Tender Documents (Submit the proof of authorizing the person to sign the tenders by the company on its behalf)	
3	Main line of Business	
4	Years of Experience	
5	Location (indicate address, tel.no., fax and the year from which they are operating in that location)	
6	Contact person	
7	Address	
8	Tel. No.	
9	Fax No.	
10	E-mail ID	

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Form IV Undertaking of clause wise compliance.
(To be filled and signed by authorized on letter head)

Ref. Tender No. GEM/2024/B/4947110 DATED 22-05-2024

We have accepted and complied to all of the clauses of tender no. Tender No. GEM/2024/B/4947110 DATED 22-05-2024 for Supply of Switches, SFPs, and Patch Cords as per Technical Specification.

Thanking you.

Sincerely Yours
For [FIRM NAME]
SIGN/STAMP

Authorized Signatory
Name:
Designation:
Date:

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Form V - Manufacturer Authorization form (MAF)

**ED/SR,
RailTel Corporation of India Ltd.**

Dated: _____

Subject: Manufacturer Authorization form (MAF) to M/s _____ for _____.
Ref: Tender No. _____.

Dear Sir,

We, M/s _____, are established and reputed manufacturer and service provider of _____ (Product details), having our registered office at _____.

We hereby authorize M/s _____ (Bidder name), Office _____ to participate in bid and subsequently upon award of the bid to execute the supply of our range of products against your above said bid.

We further extend our warranty for _____ years for our range of products offered by M/s _____ against the above-said bid.

Thanking you,
Best regards,

Authorized Signatory



Chapter 10
Check List

SN	Have you submitted the following documents?	Submitted/complied or not	Page No/ ref no. of Offer
1	Have you read and accept tender conditions? (Form-IV, Undertaking of clause wise compliance) (Clause 6.18 of Chapter 6)		
2	Earnest money amounting to Rs. 1,67,200/- as per bid data sheet (Clause no. 6.4.0 Chapter 6)		
3	Annexure-I, User Certificate as per Form. (Clause 3.3 of Chapter 3)		
4	Annexure-III, Bid Security Declaration. (Clause no. 6.4.0 Chapter 6)		
5	Annexure-IV, Land border Declaration. (Clause 7.17 of chapter 7)		
6	Form No-1, Deviation Statement, if any (Chapter wise and Clause wise from Technical Specification & Tender conditions).		
7	Form No-II, Notarized Affidavit		
8	Form No-III, Bidders Organization data sheet.		
9	Form No-V, Manufacturer Authorization form (MAF) (Clause 7.10 of Chapter 7)		
10	Power of attorney in favor of the signatory duly authorizing the signatory. (Clause 3.12, Chapter 3)		
11	Complete Tender documents digitally signed or duly signed & stamped on each page in token of acceptance should be submitted online.		
12	Price Bid - Cost breakup of price indicating Basic rate, Packaging & Forwarding, CGST/SGST/IGST, Insurance etc. Chapter 2.		
13	Offer Letter duly signed by authorized signatory (As per Chapter-5)		

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

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