



# रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड

(भारत सरकार का उपक्रम)

## पूर्वी क्षेत्र

तीसरी और 16वीं मंजिल, चटर्जी इंटरनेशनल सेंटर,  
33ए, जवाहरलाल नेहरू रोड, कोलकाता - 700 071

**RailTel Corporation of India Limited**

(A Govt. of India Undertaking)

## Eastern Region

3<sup>rd</sup> & 16<sup>th</sup> Floor, Chatterjee International Centre,  
33A, Jawaharlal Nehru Road, Kolkata – 700 071

Website: [www.railtelindia.com](http://www.railtelindia.com)

<https://www.ireps.gov.in/>

“रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र के ओ एंड एम के लिए सिएना  
डीडब्ल्यूडीएम उपकरण के स्पेयर कार्ड और मॉड्यूल की आपूर्ति”

के लिए

निविदा दस्तावेज (एकल निविदा)

TENDER DOCUMENT (SINGLE TENDER)

FOR

“Upgradation of Ciena DWDM Network (100G) in Odisha State for RailTel  
Corporation of India Ltd., Eastern Region”

निविदा संख्या (Tender No.): RCIL\_ER\_22-23\_1435, dt. 09.11.2022

खुलने की तिथि (Date of opening): 22.11.2022

|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>रेलटेल</b><br><b>RAILTEL</b> | <h1>रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड</h1> <h2>RailTel Corporation of India Limited</h2> <p>Eastern Region, 3<sup>rd</sup> &amp; 16<sup>th</sup> Floor, Chatterjee International Centre,<br/>         33A, Jawaharlal Nehru Road, Kolkata – 700 071.<br/>         Telephone: 033-44009999 FAX: 033-44009923<br/>         Website: <a href="http://www.railtelindia.com">www.railtelindia.com</a></p> |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

निविदा सूचना संख्या: RCIL\_ER\_22-23\_1435  
**Tender Notice No. RCIL\_ER\_22-23\_1435**

दिनांक 09.11.2022  
**Dt. 09.11.2022**

**M/s. Teleindia Networks Private Limited,**  
 Plot No. 85, Road No.9, KIADB IT Park,  
 Mahadeva Kodigehalli,  
 Bengaluru - 562149, Karnataka, India

**विषय:** रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र के ओ एंड एम के लिए सिएना डीडब्ल्यूडीएम उपकरण के स्पेयर कार्ड और मॉड्यूल की आपूर्ति। /

**Subject:** Upgradation of Ciena DWDM Network (100G) in Odisha State for RailTel Corporation of India Ltd., Eastern Region

श्रीमान/

Dear Sir,

रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र, कोलकाता "रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र के ओ एंड एम के लिए सिएना डीडब्ल्यूडीएम उपकरण के स्पेयर कार्ड और मॉड्यूल की आपूर्ति" के लिए ई-निविदा (एकल पैकेट) आमंत्रित करता है। /

RailTel Corporation of India Ltd., Eastern Region, Kolkata invites e-Tender (Single packet) for "Upgradation of Ciena DWDM Network (100G) in Odisha State for RailTel Corporation of India Ltd., Eastern Region".

|   |                                                                             |                                                            |
|---|-----------------------------------------------------------------------------|------------------------------------------------------------|
| 1 | बोली जमा करने की आरंभ तिथि<br>Bid Submission Start date                     | 09.11.2022                                                 |
| 2 | बोली जमा करने की अंतिम तिथि और समय<br>Last date & Time of submission of Bid | 22.11.2022 up to 14:00 hrs.                                |
| 3 | बोली खुलने की तिथि एवं समय<br>Opening date & time of Bid                    | 22.11.2022 at 14:30 hrs.                                   |
| 4 | ऑफर की वैधता<br>Validity of offer                                           | 60 days from date of opening of tender                     |
| 5 | वितरण अवधि<br>Delivery Period                                               | 90 days from the date of issue of Letter of Acceptance/PO. |
| 6 | आपूर्ति का अनुमानित मूल्य<br>Approximate value of supplies                  | Rs. 3,15,60,982/- (Incl. GST)                              |
| 7 | बयाना राश<br>Earnest Money Deposit                                          | Rs. 6,31,300.00                                            |
| 8 | निविदा दस्तावेज की लागत<br>Cost of Tender Document                          | Not Applicable                                             |

पात्र एमएसई को केवल ईएमडी जमा करना से छूट दी गई है। कोई अन्य छूट नहीं दी जाएगी, अधिक विवरण खंड में दिया गया है। /

Eligible MSEs are exempted from submission of EMD only. No other exemption will be given, more details are given in clause. 2.2 of Chapter-4A.

निविदा दस्तावेज और निविदा सूचना रेलटेल वेबसाइट पर उपलब्ध है और इसे [www.railtelindia.com](http://www.railtelindia.com) या ई-निविदा पोर्टल <https://www.ireps.gov.in> से डाउनलोड किया जा सकता है। ऑनलाइन जमा करने के लिए निविदाकर्ता को <https://www.ireps.gov.in> पोर्टल से निविदा दस्तावेज की आधिकारिक ऑनलाइन प्रति अनिवार्य रूप से डाउनलोड करनी होगी। भविष्य की सभी जानकारी अर्थात् इस निविदा के लिए शुद्धिपत्र/परिशिष्ट संशोधन आदि को केवल ई-निविदा पोर्टल और रेलटेल वेबसाइट पर ही पोस्ट किया जाएगा। निविदा दस्तावेज

की मुद्रित प्रति रेलटेल कार्यालय से नहीं बेची जाएगी। /

Tender Document and Tender Notice are available in RailTel Website and can be downloaded from [www.railtelindia.com](http://www.railtelindia.com) or from e-Tendering portal <https://www.ireps.gov.in>. For online submission the tenderer will have to necessarily download an official online copy of the tender document from portal <https://www.ireps.gov.in>. All future information viz. corrigendum/ addendum amendments etc. for this tender shall be posted on the e-Tendering portal and RailTel website only. Printed copy of the tender document will not be sold from RailTel office.

बोलीदाता बोली को तैयार करने, प्रस्तुत करने/बोली में भाग लेने से संबंधित सभी लागतों को वहन करेगा। आचरण या परिणाम की परवाह किए बिना इन लागतों के लिए रेलटेल किसी भी तरह से जिम्मेदार या उत्तरदायी नहीं होगा। /

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.

ई-निविदा के संबंध में बयाना राशि जमा (ईएमडी) का भुगतान केवल नेट बैंकिंग या पेमेंट गेट वे के माध्यम से स्वीकार किया जाएगा। सावधि जमा रसीद (एफडीआर)/ईएमडी किसी अन्य रूप में निविदा के लिए ईएमडी के रूप में स्वीकार नहीं की जाएगी। /

Payment of Earnest Money Deposit (EMD) in respect of e-tendering, will be accepted through net banking or payment gate way only. Fixed Deposit Receipt (FDR) / EMD in any other form will not be accepted as EMD for tender. /

**सहायक महाप्रबंधक/अनुबंध  
रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड, पूर्वी क्षेत्र के लिए  
Asst. General Manager/Contracts  
for RailTel Corporation of India Ltd., Eastern Region**

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**Chapter – 1****OFFER LETTER**

To,

RailTel Corporation of India Ltd.  
 Eastern Region, 3<sup>rd</sup> & 16<sup>th</sup> Floor,  
 Chatterjee International Centre,  
 33A, Jawaharlal Nehru Road,  
 Kolkata – 700071

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 offer open for acceptance for a period of 60 days from the date of submission and in default thereof, I/We will be liable for forfeit of my/our Earnest Money. I/We offer to do the work at the rates quoted in the attached schedules and hereby bind myself/ourselves to complete the work of “Upgradation of Ciena DWDM Network (100G) in Odisha State for RailTel Corporation of India Ltd., Eastern Region” within 90 days from the date of issue of Purchase Order. I/We also hereby agree to abide by the Various Conditions of Tender/Contract and to carry out the supplies/services according to the Specifications for items/materials and works laid down by the RailTel.
2. A sum of Rs. .... through IREPS portal herewith submitted as “Earnest Money” The full value of Earnest Money shall stand forfeited without prejudice to any other right or remedies if, I/We withdraw or modify the offer within validity period or do not deposit the security deposit (Performance Guarantee) within 30 days after issue of Purchase Order.

**SIGNATURE OF CONTRACTOR (S)**

**Date:**

**CONTRACTOR (S) ADDRESS**

SIGNATURE OF WITNESS:

- 1.
- 2.

(End of Chapter-1)

## CHAPTER - 2

## SCHEDULE OF REQUIREMENT

**SOR:**

**Name of the work: Upgradation of Ciena DWDM Network (100G) in Odisha State for RailTel Corporation of India Ltd., Eastern Region.**

| Srl. No. | Item Code        | Type      | Short Description                | Item Description                                                              | Qty . | Unit | Rate       | Amount     |
|----------|------------------|-----------|----------------------------------|-------------------------------------------------------------------------------|-------|------|------------|------------|
| 1        | 6514-PKG         |           |                                  | 6500 14 slot shelf with common accessories                                    | 1     | Set  | 149,188.57 | 149,188.57 |
|          | NTK503ADE5       | HW        | Shelf                            | OPTICAL SHELF (CNVD)                                                          | 1     | No.  |            |            |
|          | NTK505CAE5       | HW        | Power Module                     | POWER INPUT CARD 60A o(BREAKERED)                                             | 2     | No.  |            |            |
|          | NTK507LDE5       | HW        | Cooling Module                   | 6500-14, FRONT HF FAN MODULE                                                  | 3     | No.  |            |            |
|          | NTZF06MV         | HW        | Shelf Processor                  | 6500 REL 12.8 NTK555FAE5 SHELF PROCESSOR (SP-2 DUAL CPU FOR 6500-7/14/32) KIT | 2     | No.  |            |            |
|          | NTK505MBE5       | HW        | Access Panel                     | ACCESS PANEL, CNVD (SONET)                                                    | 1     | No.  |            |            |
|          | NTK505FBE5       | HW        | Interface card                   | MAINTENANCE INTERFACE CARD                                                    | 1     | No.  |            |            |
|          | NTK509ZXE6       | HW        | Installation Kit                 | EIA/ANSI SHELF DEPLOYMENT INSTALLATION KIT                                    | 1     | Set  |            |            |
|          | NTK509NZE6       | HW        | Installation Kit                 | SMALL OPTICAL INSTALLATION/IRM KIT                                            | 1     | Set  |            |            |
|          | NTK599ZCE6       | HW        | Power Lugs                       | 2U BIP POWER LUG KIT 2AWG/35MM SQ 90 DEGREE                                   | 1     | No.  |            |            |
|          | S74-LIC-NTK560JN | E-License | License                          | 6500-D14/S14 BASE LICENSE                                                     | 1     | No.  |            |            |
|          | S74-LIC-NTK569MV | E-License | License                          | 6500 REL 12.8 SOFTWARE LICENSE                                                | 1     | No.  |            |            |
|          | NT0H57BBE6       | HW        | Fiber Mgmt Tray                  | 1U FIBER MANAGEMENT TRAY                                                      | 1     | No.  |            |            |
|          | NTK509CCE6       | HW        | Shelf Cover                      | COVER KIT, OPTICAL SHELF, R3, LEFT LIFT-OFF HINGED                            | 1     | No.  |            |            |
|          | NTK509CD         | HW        | Shelf Cover Extn                 | 6500-14 OPTICAL SHELF FRONT COVER KIT W/ EXTENDED DEPTH FOR USE WITH NTK503SA | 1     | No.  |            |            |
|          | NTZF99XD         | HW        | Bracket Kit 19-in.,ETSI & 23-in. | 14-SLOT BRACKET KIT (NTK503AD AND NTK503CD)                                   | 1     | No.  |            |            |

| Srl. No.               | Item Code    | Type | Short Description   | Item Description                                                                 | Qty. | Unit | Rate       | Amount      |
|------------------------|--------------|------|---------------------|----------------------------------------------------------------------------------|------|------|------------|-------------|
| <b>PHOTONICS</b>       |              |      |                     |                                                                                  |      |      |            |             |
| 2                      | NTK554BAE5   | HW   | OSC Module          | 2 X OPTICAL SERVICE CHANNEL                                                      | 1    | No.  | 93,740.17  | 93,740.17   |
| 3                      | NTK592NGE5   | HW   | OSC Optics (0-34dB) | TRANSCEIVER,CWDM,DWD M-OSC,38DB,1511NM, 3.3V,0TO70C, SFP,20PINS,LC, ENHANCED MSA | 2    | Nos. | 18,823.07  | 37646.14    |
| 4                      | NTK553LB     | HW   | WSS 9x1             | WAVELENGTH SELECTIVE SWITCH (WSS) FLEX C-BAND W/OPM 9X1 CIRCUIT PACK             | 2    | Nos. | 522,725.10 | 1045450.20  |
| 5                      | NTT862AAE5   | HW   | M/D                 | CN-A80-00, 8-CH DWDM                                                             | 2    | Nos. | 63527.85   | 127055.70   |
| <b>TRAFFIC MODULES</b> |              |      |                     |                                                                                  |      |      |            |             |
| 6                      | NTK538CT     | HW   | WLAi - 100G         | 200G LCD MUX PONDER FOR 6500 INC. NTK538CT, S74-LIC-NTK 560LA,S74 LIC NTK 560LB  | 16   | Nos. | 993,523.97 | 15896383.52 |
| 7                      | NTK538BK     | HW   | WI3n- 10x10G        | 100G MOTR WL3N ENH C-BAND 10X SFP+ CIRCUIT PACK                                  | 8    | Nos. | 911,723    | 7293784.00  |
| 8                      | 160-9103-900 | HW   | SFP+                | Multirate 10GE/OTU2/ OC192/ FC1200, 1310nm, 10km SFP+                            | 80   | Nos. | 5,210      | 416800.00   |
| 9                      | 160-9402-900 | HW   | QSFP28              | 103.1G-111.8G, 4X25G, WDM, SMF, 1310NM, 10 KM QSFP28                             | 16   | Nos. | 105,409.18 | 1686546.88  |

|  |  |                          |                       |
|--|--|--------------------------|-----------------------|
|  |  | <b>Total (Rs.)</b>       | <b>26746595.18</b>    |
|  |  | <b>R/off (Excl. GST)</b> | <b>2,67,46,595.00</b> |

**PRICE BID**

| SOR Item No.                                   | Item Description | Unit | Qty. | Unit Rate (Incl. GST) | Amount (Rs.) (Incl. GST) |
|------------------------------------------------|------------------|------|------|-----------------------|--------------------------|
| <b>Rates have to be quoted on IREPS Portal</b> |                  |      |      |                       |                          |

| <b>NOTE:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>I</b>     | <p>a) Rate quoted against SOR above should be CIP destination inclusive of all duties, taxes, insurance and freight etc. (with break-up as per Performa attached as Annexure- A). The materials as per SOR are required to be delivered within the delivery period as indicated in Bid Data Sheet (BDS, Chapter 5).<br/>If there is any discrepancy in the Total amount and the Unit Rate, the value shown in the Unit Rate shall be considered final for the evaluation.</p> <p>b) It shall be the responsibility of Tenderer to transport the Equipment/Cards/Modules to RailTel to the site of installation Region mentioned in this tender document.</p> <p>c) Material against SOR will be Installed &amp; Commissioned by RailTel itself under Supervision of Bidder/ OEM.</p> |
| <b>II</b>    | Tenderers should submit the detailed configuration / technical details of each type of equipment/ modules/sub modules/cards/Licenses etc. Bill of Material supplied under the contract shall be submitted along with the bid and the same shall be duly vetted by the OEM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|            |                                                                                                                                                                                                                                                                                            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>III</b> | Any license fee required to be paid for hardware & software during the life cycle of the equipment/Cards/Modules shall be included in the rate quoted by the tenderer. There shall be no post contractual liability of license fee on RailTel for hardware & software supplied by tenderer |
| <b>IV</b>  | It is mandatory for Tenderer to quote for all items of the schedule. Any bid not having quote for all the items of the schedule may not be considered.                                                                                                                                     |

**Price Schedule with tax break up (Only Indicative)**

| S<br>N | Des<br>crip<br>tion | HSN<br>Code | Total<br>Qty. | EX-<br>Factory<br>Price<br>(Basic<br>Unit Price<br>exclusive<br>of all<br>levies<br>and<br>charges)<br>(in Rs.) | Pkg. &<br>Forwarding<br>Charges |               | Freight &<br>Insurance<br>Charges |               | Other<br>Charges<br>and<br>Levies (to<br>be<br>specified<br>by bidder) | CGST,<br>IGST,<br>SGST &<br>GST |                       | Price Per<br>Unit (all<br>inclusive)<br>for<br>delivery at<br>destinatio<br>n<br>(5+7+9+1<br>0+12) |
|--------|---------------------|-------------|---------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------|---------------|-----------------------------------|---------------|------------------------------------------------------------------------|---------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|
|        |                     |             |               |                                                                                                                 | %                               | Amt.<br>(Rs.) | %                                 | Amt.<br>(Rs.) |                                                                        | %                               | Am<br>t.<br>(Rs<br>.) |                                                                                                    |
| 1      | 2                   | 3           | 4             | 5                                                                                                               | 6                               | 7             | 8                                 | 9             | 10                                                                     | 11                              | 12                    | 13                                                                                                 |
|        |                     |             |               |                                                                                                                 |                                 |               |                                   |               |                                                                        |                                 |                       |                                                                                                    |

(End of Chapter-2)

## CHAPTER-3A

### TECHNICAL REQUIREMENTS & SPECIFICATIONS FOR SDH SYSTEM

#### 1.1 INTRODUCTION

RailTel is maintaining several SDH/DWDM based OFC telecom network systems. The desired equipment cards & accessories should be used for upgradation existing Ciena DWDM networks system of the following sites:

1. Vizianagram
2. Titlagarh
3. Raipur
4. Bilaspur
5. Jharsuguda
6. Rourkela
7. Tatanagr
8. Khagagpur
9. Bhubaneswar

While maintaining compatibility and enhanced flexibility to transport and route all existing traffic etc. Equipment, Card Modules and accessories of Ciena DWDM network are required for equipments installed in the Railway/RailTel PoPs.

The technical specification given in this part describes functional as well as performance requirements of the required DWDM network.

#### 1.2 OVERVIEW OF THE SCOPE OF WORK

The scope of work would be Supply of equipment/Cards/ Modules as per SOR for existing Ciena network system, and should be compatible with the existing network of RailTel. The scope of work shall include, but not be limited to the following:

Supply of all related goods and providing all related services including custom clearance if required, transportation to RailTel sites and support for integration, if required by RailTel.

##### 1.2.1 Design of Network

Not Used.

##### 1.2.2 QUALITY ASSURANCE PROGRAMME AND IMPLEMENTATION METHODOLOGY

Not Used.

##### 1.2.3 MANUFACTURING, SUPPLY AND STORAGE OF EQUIPMENT

The tenderer will be fully responsible for Supply of cards / interfaces including the following:

- a) Support for integration with existing Ciena DWDM Transmission Network as required.
- b) The tenderer shall be responsible for delivery of the material to RailTel's Sites as advised.

#### **1.2.4 SITE PREPARATION**

##### **1.2.4.1 RailTel's Responsibility**

Not Used

##### **1.2.4.2 Tenderer's Responsibility**

The tenderer will be responsible for supply of complete material for this tender including the support for integration with the existing network, wherever required. It shall be the responsibility of Supplier to transport the Equipment/Cards/Modules to site(s) of respective sites as mentioned in this tender document.

#### **1.2.5 OUTSIDE PLANT ACCEPTANCE**

Not Used.

#### **1.2.6 INSTALLATION, INTEGRATION, TESTING AND COMMISSIONING OF NETWORK**

The Tenderer shall be fully responsible for Quality Assurance of Cards/ Modules and support for the following: -

- a) Installation and integration of the above said Cards/Modules items as per requirement.
- b) Integration with existing network.
- c) Testing & Commissioning of the upgraded Network (100G).

#### **1.2.7 TRAINING OF PURCHASER'S PERSONNEL**

Not Used.

#### **1.2.8 FINAL COMMISSIONING**

Not Used.

#### **1.3 GENERAL SYSTEM GUIDELINES**

Not Used.

#### **1.4 TECHNICAL RESPONSE**

The technical response shall be fully comprehensive and detailed and it will include detailed guaranteed specifications of the Equipment/Cards/Modules to be supplied. Marginal performance shall not be accepted.

##### **1.4.1 FEATURES AND CAPABILITIES OF CARDS/MODULES**

The succeeding specifications contain the necessary requirements of RailTel with regard to the features and capabilities of the Cards/Modules to be offered by the Tenderers. These will be carefully studied and commented upon by the Tenderer. These should not be treated as maximum specifications.

**1.4.2 COMPLIANCE TO TECHNICAL REQUIREMENTS**

**1.4.2.1 CLAUSE BY CLAUSE COMPLIANCE**

In the offer, the Tenderer shall include statement of clause by clause compliance of the tender document and sufficient documentation such that RailTel can validate the compliance statements.

**1.4.2.2 NIL OR UNCLEAR RESPONSE STATEMENTS**

In case of nil or unclear statements of compliance for any specified requirement, RailTel will interpret that particular requirement as being "NON COMPLIANT."

**1.4.2.3 VARIANCE FROM SPECIFIED REQUIREMENTS**

In case of variance of the offered Cards/Modules from the specified Technical requirements, the decision of RailTel on whether the Cards/Modules offered is responsive to the bid requirements shall be final and binding upon the Tenderer.

**1.4.2.4 DETAILED TECHNICAL INFORMATION**

The Tenderer shall include in his proposal the detailed Technical information, drawings and functional descriptions of the offered Equipment/Cards/Modules to support the Compliance to RailTel's Technical requirements.

**(End of Chapter- 3A)**

## **CHAPTER-3B**

### **NETWORK REQUIREMENTS OF EQUIPMENT AND CARDS/MODULES, SPECIFICATION**

#### **2.1 PROPOSED DWDM SYSTEM CARDS/MODULES**

The proposed Equipment cards/modules/parts are required are compatible with the existing DWDM Ciena network of RailTel.

#### **2.2 PRESENT OPTICAL FIBRE NETWORK**

Not Used.

##### **2.2.1 EQUIPMENTS INSTALLED AT LOCATIONS UNDER CONSIDERATION**

The proposed equipment is to be installed at Tatanagar and cards/modules etc. are to be installed at the locations indicated in clause 1.1 of Chapter-3A of this document and shall integrate with the existing system for traffic transmission.

#### **2.3 Not Used.**

**(End of Chapter- 3B)**

## **CHAPTER – 3C**

### **NETWORK MANAGEMENT SYSTEM**

- 3.1** The equipment/cards/modules under the scope of this tender shall be managed by the Network Management System (NMS) already deployed in the RailTel's Network.

**(End of Chapter- 3C)**

## CHAPTER - 3D

### EMI, ENVIRONMENT AND POWER SUPPLY

#### 4.1 ELECTROMAGNETIC INTERFERENCE

Any Telecommunication circuits in the vicinity of AC Traction running parallel to 25KV AC lines are liable to be affected by AC induced voltage. Therefore, precautions should be taken to eliminate the possibility of induced voltage affecting equipment and human. A large number of sections where DWDM SYSTEM is to be deployed are already electrified with 25 KV AC traction.

Special protective measures (viz. provision of G.D tubes, fuses and earthing etc) are required to be taken for telecommunication lines entering 25 KV substations /switching posts.

Instructions for protection of RailTel/Railway staff/working personnel on signaling and telecommunications installations on 25 KV AC traction shall be strictly adhered to. Precautions are required to be taken on account of following:

- i) Proximity of live conductor.
- ii) Pressure of return current in Rails.
- iii) Induction in all metallic bodies situated close to overhead equipment.

The tenderer will also comply to the EMI classification and specification ETS 300386-1 and 386-2.

#### 4.2 ENVIRONMENTAL CONDITIONS

All equipment, test instruments, special tools and fixtures etc. shall be able to work at the specified parameters under environmental conditions specified for QM – 333 Categories B 2 and should be capable of maintaining the guaranteed performance with operational lifetime of 15 years minimum when operating continuously *and particularly* under the following environmental conditions:

|    |                     |                                                                                                                                                                                                               |
|----|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Temperature         | OPERATE: For all supplies 0° to + 45° C<br>guaranteed and up to +50°C degraded.<br>STORAGE: -10° C to +70° C                                                                                                  |
| 2  | Humidity            | At any relative humidity up to 95% within the<br>temperature range of 0° C to 40° C                                                                                                                           |
| 3  | Altitude            | At any altitude up to 2000 m above sea level                                                                                                                                                                  |
| 4  | Sand and Dust       | With a buildup of dust on operational surface to a<br>level such as may occur because of imperfections in<br>the sealing of equipment, housing and conditions<br>prevailing in subtropical desert conditions. |
| 5  | Tropicalisation     | Shall be fully tropicalized with all cards coated with<br>lacquer or suitable protective coating.                                                                                                             |
| 6. | Shock and vibration | Shall withstand transportation and handling by air,<br>sea and road under packed conditions                                                                                                                   |

|   |                     |                                                                 |
|---|---------------------|-----------------------------------------------------------------|
| 7 | Salt, fog and mould | Shall withstand continuous usages in marine growth environment. |
| 8 | Electromagnetic     | Shall meet the requirements as per IEC Compatibility 801.       |

### **4.3 POWER SUPPLY ARRANGEMENT**

Not Used.

### **4.4 PROTECTION AGAINST TRANSIENTS, SURGES AND LIGHTNING:**

- 4.4.1** All the Cards/Modules shall be protected from induced current, voltage as per CCITT Regulations against 25 KV AC Catenary carrying 1000 Ampere Current. Protection should be provided against all surge/transient voltages.

### **4.5 EARTHING**

- 4.5.1** The earthing arrangement shall be provided by RailTel for earthing of optical and digital equipment at the equipment room on a bus bar with value less than one ohm (approx.).

(End of Chapter- 3D)

## CHAPTER-3E

### INSPECTION, INSTALLATION, TESTING & COMMISSIONING

#### 5.1 TESTS AND MEASUREMENTS

All Equipment/Cards/Modules shall be tested by tenderer/consignee as per technical specification and requirement specified in this tender document and test report shall be submitted.

#### 5.2 TEST CATEGORIES

##### 5.2.1 The Quality Test Reports shall be submitted.

**5.2.2** These tests shall be carried out on all Equipment/Cards/Modules supplied by tenderer including those supplied by sub-vendors, if any. Tenderer shall arrange all necessary test instruments, manpower, test-gear, accessories etc.

**5.2.3** All technical personnel assigned by Tenderer shall be fully conversant with the system specifications and requirements. They shall have the specific capability to make the system operative quickly and efficiently and shall not interfere or be interfered by other concurrent testing, construction and commissioning activities in progress. They shall also have the capability to incorporate any minor modifications/suggestions put forward by Purchaser/Engineer.

**5.2.4 Test Plan:** The Contractor shall submit to Purchaser 'Test Plans' well in advance of commencement of actual testing for the above mentioned tests.

The plans shall include:

- i) Equipment/Cards/Modules functional and performance description (in short) and Tests to be conducted and purpose of test.
- ii) Test procedures (including time schedule for the tests) and identification of test inputs details and desired/expected test results.

**5.2.5 Test Report:** The observations and test results obtained during various tests conducted shall be compiled and documented to produce Test Reports by Tenderer. The Test Reports shall be given for each Equipment/Cards/Modules/item. The report shall contain the following information to a minimum:

- i) Test results.
- ii) Comparison of test results and anticipated/expected (as per specifications) test result as given in test plans and reasons for deviations, if any.
- iii) The data furnished shall prove convincingly that:
  - a. The system meets the Guaranteed Performance objectives
  - b. Mechanical and Electrical limits were not exceeded.
  - c. Failure profile of the Equipment/Cards/Modules during the tests are well within the specified limits.

**5.2.6 Failure of Cards/Components:**

If the malfunction and/or failures of a unit/module/sub-system/ Cards/ Modules repeat during the test, the test shall be terminated and tenderer shall replace the necessary component or module to correct the deficiency. Thereafter, the tests shall commence all over again from the start. Repair/modification done at any point of time at one site shall be carried out by Tenderer at all the sites. Detailed documentation for the same shall be submitted to Purchaser for future reference.

**5.2.7 Re-adjustments**

Not Used.

**5.3 QUALITY ASSURANCE AND INSPECTION**

5.3.1 QA Reports of the material being supplied shall be submitted.

5.3.2 Certificate of Quality (CoQ) from the OEM shall be submitted.

**5.4 INSTALLATION**

Cards/modules shall be installed by RailTel's personnel under guidance of the tenderer, if required.

**5.5 PRE-COMMISSIONING**

Not Used.

**5.6 SITE ACCEPTANCE TESTING (SAT)**

Not Used.

**5.6.1 PROVISIONAL ACCEPTANCE CERTIFICATE (PAC)**

Not Used.

**5.7 Spares:** Not Used.

**5.8 TRIAL RUN/FIELD TRIALS**

Not Used.

**5.9 FINAL ACCEPTANCE**

Not Used.

**5.10 TYPE TEST**

Not Used.

**(End of Chapter- 3E)**

**CHAPTER-3F**

**TRAINING, VENDOR DATA REQUIREMENT, DOCUMENTATION, AND  
DESIGN GUIDELINES**

**Not Used.**

**(End of Chapter- 3F)**

## CHAPTER – 4A

### COMMERCIAL TERMS & CONDITIONS

#### 1. Offer letter and Validity of offer

- 1.1 The bidder shall complete the offer letter (Chapter 1) and the Price Schedule (Chapter 2) furnished in the tender documents, indicating the goods to be supplied, description of the goods, associated technical literature, quantity and prices etc.
- 1.2 The offer should remain valid for a minimum period from the date of opening of tender including the date of opening as indicated in Bid Data Sheet (BDS) Chapter 5.

#### 2.0 EARNEST MONEY:

- 2.1 The tenderer shall submit EMD Amount as per details given in Tender Notice.
- 2.2 Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.
- 2.3 Offers without EMD shall be summarily rejected.

#### 3.0 Evaluation Criteria:

The total all Inclusive price given in Schedule of Requirement, will be criteria for deciding the inter-se-position and consideration of offers against the Schedule of Requirements.

#### 3.1 RATES DURING NEGOTIATION:

The tenderer/s shall not increase his/their quoted rates in case the RailTel Administration negotiates for reduction of rates. Such negotiations shall not amount to cancellation or withdrawal of the original offer and the rates originally quoted will be binding on the tenderer/s

#### 4 **Warranty**

The warranty would be valid for a period as indicated in Bid Data Sheet (BDS) Chapter 5. The supplier shall warrant that stores to be supplied shall be new and free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards of materials of the type ordered and shall perform in full conformity with the specifications and drawings. The supplier shall be responsible for any defects that may develop under the conditions provided by the contract and under proper use, arising from faulty materials, design or workmanship such as corrosion, inadequate quantity of material to meet Equipment/ Cards/Modules requirements, inadequate contact protection, 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.

4.1 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/Cards/Modules so replaced or renewed or until the end of the above mentioned period or twelve months, whichever may be later. If any defect is not remedied within a reasonable time of 30 days, the Purchaser may proceed to do the work at the contractor's cost, but without prejudice to any other rights which the Purchaser may have against the contractor in respect of such defects.

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

#### 4.3 **Warranty Support**

- a. Material for repair during Warranty Period shall be handed over /taken over to contractors engineer at regional NOC's or mutually agreed RailTel PoP location.
- b. During the warranty period, the contractor shall remain responsible to arrange replacement **within 30 days** and for setting right at his own cost any equipment installed by him, which is of defective manufacture or design or becomes unworkable due to any cause whatsoever. The decision of the RailTel's representative in this regard to direct the contractor to attend to any damage or defect in work shall be final and binding on the Contractor.
- c. During the warranty period, the contractor shall be responsible to the extent expressed in this clause for any defects that may develop under the conditions provided for by the contract and under proper use, arising from faulty materials, design or workmanship in the plant, or from faulty execution of the plant by the contractor but not otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser Engineer who shall state in writing in what respect the portion is faulty.

- d. During the warranty period, contractor should stabilize the working of the system. Purchaser has the right to extend the period of warranty free of cost till the system stabilizes and works satisfactorily for a reasonable period of time. If during the time any equipment etc. is to be added or deficiencies are to be rectified to make the system work trouble free, the same also will have to be done by the contractor at no cost to RailTel as to make good all the deficiencies.

#### 4.4 Maintenance Supervision

4.5 Not Used.

4.6 Not Used.

4.7 The total period of warranty will be as per BDS in Chapter-5.

#### 5 Long Term Maintenance Support.

Not used

#### 6 Delivery Period

The materials as per SOR are required to be delivered within period as indicated in Bid Data Sheet (BDS, Chapter 5) to the site(s) mentioned in this tender document.

Road permit will be facilitated by RailTel and shall issue necessary request letter etc. Tenderer are required to obtain the road permit. However, it has no bearing on delivery period.

#### Consignee Details /Delivery Location:

Material shall be delivered to RailTel, Eastern Region. The quantity for packing list shall be issued along with Purchase Order. The supplier shall ship the material to respective consignee without any additional cost to RailTel.

| Regional office   | Office Addresses                                                                                                                                         |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kolkata           | Regional General Manager<br>3 <sup>rd</sup> & 16 <sup>th</sup> Floor, Chatterjee International Centre,<br>33A, Jawaharlal Nehru Road,<br>Kolkata-700071. |
| Consignee details | Sr. Manager(Tech.)/<br>RailTel Corporation of India Ltd., Bhubaneswar<br>Mobile No. 7085059032                                                           |

**7. Payment Terms**

7.1 95% payment of the value of the supply items of the PO would be made on receipt of material by the consignee (at site / the stores, to be decided by RailTel) duly inspected and on submission of the following documents subject to any deductions or recovery which RailTel may be entitled to make under the contract:

- Tax Invoice in original.
- Delivery Challan
- Packing list.
- QA/COQ
- Purchaser's Inspection certificate in original.
- Consignee receipt for receipt of material in good condition.
- Warranty certificate of OEM
- Insurance certificate
- Certificates duly signed by the firm certifying that Equipment/ Cards/Modules/materials being delivered are new and conform to technical specification.
- E-Way Bill

7.2 5% balance payment to be released after completion of Warranty Period.

7.3 Accounting/Bill passing unit for SOR for items is RailTel Eastern Region Office. All Bills shall be submitted to the Regional General Manager for certifying and verification and onwards submission to Finance Department of RailTel Eastern Region for releasing the payment.

7.4 Deleted

7.5 The breakup of taxes has to be furnished and same should be reflected in the bills so that any input credit can be availed by RailTel.

**7.6 Payment of Services Items**

7.7.1 Not Used.

7.7.2 Not Used.

7.7.3 Not Used.

7.7.4 Not Used.

**8. Performance Guarantee (Security Deposit)**

8.1 The tenderer is required to submit a Performance (PBG) from a scheduled bank within 30 days of the issue of LOA/Purchase order @ 3% of the value of the LOA/PO (Incl. GST) for the satisfactory performance of materials covered in SOR given in Chapter 2 valid for a period of 3 months beyond warranty period, 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/Purchase Order

till submission of PBG. The Performa for PBG is given in Chapter 6 Form No. 1. If the delivery period gets extended, the PBG should also be extended appropriately.

- 8.2 A separate advice of the BG will invariably be sent by the BG issuing bank to the RailTel's bank through SFMS and only after this the BG will become acceptable to RailTel. It is therefore in own interest of bidder to obtain RailTel's bank IFSC code, its branch and address and advise these particulars to the BG issuing bank and request them to send advice of BG through SFMS to the RailTel's Bank.
- 8.3 The Security Deposit / Performance Bank guarantee will bear no interest.
- 8.4 Wherever the contracts are rescinded, the security deposit/PBG should be forfeited and the SD/Performance Bank Guarantee shall be en-cashed by RailTel.
- 8.5 The balance work shall be got done independently without risk and cost to the original contractor.
- 8.6 This PBG would be released after satisfactory completion of contract including warranty period.
- 8.7 Any performance security upto a value of Rs. 5 Lakhs is to be submitted through Demand Draft or Banker's Cheque only.

## **9. Taxes & Duties**

The price quoted in the offer should be firm, fixed indicating the breakup and inclusive of all taxes & duties. The offer should be inclusive of packing, forwarding, freight upto destination, insurance charges.

- 9.1 Not Used.
- 9.2 Anti-Dumping duty if applicable on the equipment proposed to be supplied by OEM/Tenderer as per extant instructions of Ministry of Commerce/Finance Government of India, has to be borne by the tenderer and shall be deducted from the amount payable to the contractor at the time of making payment to the firm, if this duty amount is paid to Custom Authority by RailTel.
- 9.3 The imposition of any new and/or increase in the aforesaid taxes, duties levies is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the bidder thereupon 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 bidder 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 further 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 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 to local/state/Central Government authorities or to labourers as may be applicable.

9.4 After imposition of GST, bidder shall issue Tax invoice to RailTel for availing proper credit of CGST / SGST / IGST/ UTGST. GST will not be reimbursed in the absence of Tax Invoice.

9.5 In the event of decrease / relaxation and / or waiver of any of the existing / prevailing taxes), duties, levies, cess by Central / State Govt. Or any other statutory body(ies), after the last stipulated date for the receipt of tender including extension (if any), and the bidder thereupon has been paid or has raised claims of such taxes, duties, levies, cess; such sums shall be recovered / deducted (from claims raised but which has not been paid) effective from the date as reckoned in the relevant statutory order / law / ordinance etc. The bidder, shall, within a period of 30 days of any such waiver/relaxation/decrease in taxes), duties, levies, cess, give a written notice thereof to RailTel stating the statutory change with documentary proof thereto. Provided always that RailTel shall have full powers to effect recovery/deduction on account of any such statutory change even if bidder has not intimated in the event when any such statutory action comes to his notice.

#### 10. **Insurance**

10.1 The Contractor shall take out and keep in force a policy or policies of insurance from the date, the delivery of material starts (including the transit portion) against all liabilities of the Contractor or the Purchaser. The contractor shall take out and keep in force a Policy or policies of Insurance for all materials covered in schedule of requirement irrespective of whether used up in the portion of work already done or kept for the use in the balance portion of the work until such material are provisionally handed over to RailTel. The goods will be issued by purchaser to supplier and risk of goods shall remain with supplier until the delivery at RailTel's site. Insurance policy has to be kept valid by the contractor till the delivery date.

10.2 The Contractor should insure the stores brought to site, against risks as required under the Emergency Risk (Goods) Insurance Act in force from time to time up to contract value.

10.3 It may be noted that the beneficiary of the insurance policy should be RailTel or the policies should be pledged in favor of RailTel. The contractor shall keep the policy/policies current till the Cards/Modules are handed over to the purchaser. It may also be noted that in the event of contractor's failure to keep the policy current and alive, renewal of policy will be done by purchaser for which the cost of the premium plus 20% of premium shall be recovered from the contractor.

#### 11. **Liquidated Damages**

The timely delivery is the essence of this tender. Liquidated damages will be applicable at the rate of half percent per week or part thereof for undelivered portion of SOR subject to a maximum of 10% of the cost of LOA/Purchase order for any reason whatsoever attributed to failure of tenderer. RailTel will have the right to cancel the order, place order on alternative source besides levying the liquidated damages as above.

- 12. **Transportation**

The rates quoted should be CIP destination. The destination shall be defined POP / nominated office of RailTel which shall be indicated by RailTel's representative.
- 12.1. **Statutory Deduction**

These will be made at source as per the rules prevalent in the area of work.
- 12.2. **Qualification Criteria**

Not Used.
- 12.3. **Technical Capability**

Not Used.
- 12.4. **Financial Criteria**

Not Used.
- 12.5. Indian Subsidiary or the authorized partner of OEM is allowed to participate with specific authorization for doing so from the OEM. The specific authorization from OEM, addressed to RailTel should be submitted by the tenderer.
- 13. **Foreign Exchange & Custom Clearance**
- 13.1. Not Used.
- 13.1.1. Not Used.
- 13.1.2. Not Used.
- 13.2. Payment shall be made in INR only.
- 14. **Consortium & Joint Venture Bids - Deleted**
- 15. **System Performance Guarantee**
- 15.1. The tenderer shall give unqualified and unconditional guarantee that when the Equipment/Cards/Modules / material supplied by him is installed and commissioned at site, it shall achieve the desired objective and that in the event of performance of the system when installed not complying with the end objective or with the specifications, he shall provide further inputs to enable the RailTel to realize the end objectives with full compliance of the specifications contained in these documents. No additional payment will be made to the contractor for supply of any additional goods and service required in this regard.
- 15.2. This certificate in the Performa given in Chapter 6 Form No. 2, shall accompany the final offer. Absence of this certificate which will form part of the agreement shall disqualify the tenderer automatically.

**16. Evaluation of Offer**

- 16.1. For the purpose of relative ranking of offers, all-inclusive value for entire supply shall be taken into account.
- 16.2. Additional features offered by the bidder, over and above the ones asked for in the tender documents, shall not be considered for evaluation of bids.
- 16.3. The tenderer should make available the offered products, if desired during technical evaluation of offered Equipment/Cards/Modules for testing and bench marking at any testing facility approved by RailTel.
- 16.4. The bidders should quote for all items & the offer will be evaluated in totality. The bidders should indicate brand name, type/model number of the products offered. Optional items will not be considered for evaluation of offers. The Equipment/Cards/Modules should be supplied as per Technical Specifications given in Chapter-3.

**17. Security Considerations & Security Agreement**

- 17.1 While evaluating the tender, regards would be paid to National Defense and Security considerations.
- 17.2 The directives issued from time to time by the Department of Telecommunications (DoT), Ministry of Communications and IT or any other Ministry of Govt. of India on security considerations shall be applicable to the present tender. Accordingly, as per the extent amendment of the National Long Distance (NLD) Service License Agreement for Security related concerns for expansion of Telecom Services in various zones of the country issued vide Department of Telecommunication, Ministry of Communication and IT, Govt. of India's letter no. 10-54/2010-CS-III (NLD) dated: 31.05.2011, the successful tenderer (OEM) shall comply with the provisions stated in the above mentioned directive of DoT and shall have to enter into an agreement with RailTel as per the template agreement between Telecom Service Provider and the vendor of equipment, product and services (available on DoT website). **The tenderer must submit a declaration along with their bid.**

**17.3 The Network for customers**

The DWDM SYSTEM network is being provided primarily to meet the requirement of Railways, NIC, defence and other strategic sectors of Government. Accordingly, the DWDM SYSTEM network shall take into consideration the National Security requirement and National Security aspects indicated by these key customers.

**18. Purchaser's Right to Vary Quantities**

- 18.1 The purchaser shall be at liberty to enhance or reduce the quantity mentioned in the purchase order as indicated in Bid Data Sheet (BDS) Chapter 5 without

assigning any reasons. The bidder shall comply with such modifications unconditionally provided these are made before completion of the deliveries under the purchase order. Any such change in quantity shall have no impact on the rates mentioned in the purchase order for any such item.

18.2 Not Used.

**19. Purchaser's Right to accept any offer / Bid and to reject any or all offer/ Bid**

19.1 The Purchaser reserves the right to accept or reject any offer / bid, and to annul the bidding process and reject all offers / bids, at any time prior to award of order without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the Purchaser's action.

**20. Execution of LOA/Purchase Order**

20.1 The quantities of items indicated in the schedule of Requirements, are indicative. Purchaser will issue an LOA/Purchase Order to the successful bidder for the quantities indicated in Schedule of Requirements. The supplier will have to honour all the SPOs/POs issued and complete the supplies within the contracted delivery period.

20.2 The issue of LOA/Purchase Order in favour of the successful bidder shall constitute the intention of the purchaser to enter into contract with the bidder.

20.3 The successful bidder has to submit the signed copy of the LOA/Purchase order within 15 days from the date of issue duly signed on each page including Annexures as a token of acceptance & will submit the Performance Bank Guarantee as per Clause no. 8 for due fulfillment of the LOA/PO.

20.4 If the successful bidder fails to submit the accepted copy of LOA/PO and required PG within 30 days from the date of issue, it shall constitute a breach of the agreement affected by the acceptance of the tender.

20.5 In the event of any tenderer whose tender is accepted and refuses to execute the LOA/PO as herein before provided, RailTel may determine that such tenderer has abandoned the Purchase Order and thereupon his tender and acceptance thereof shall be treated as cancelled.

**21. Annulment of Award**

Failure of the successful bidder to comply with the requirement of various clauses of tender document shall constitute sufficient ground for the annulment of the award in which event the Purchaser may make the award to any other bidder at the discretion of the Purchaser or call for new offers/ bids.

22. Not used

**23. Preference to Domestic Manufacturers for Telecom Equipment**

Not Used.

**24. Offer/ Bid Prices**

24.1. The bidder shall give the prices indicating all levies and taxes, packing forwarding, freight and insurance etc. The basic unit price and all other components of the price need to be individually indicated against the goods it proposes to supply under the tender document as per schedule given in Chapter 2. The price shall be quoted in Indian Rupees.

24.2. The break-up of price of each item of SOR in terms of basic Unit price, GST, Freight, Custom Duty, Forwarding, Packing, Insurance and any other Levies/charges already paid or payable by the tenderer shall be quoted in the SOR Chapter 2. Any changes in statutory duties/taxes after opening of technical bid will be to RailTel's account within the contracted delivery period.

24.3 All prices and other information like discounts etc. having a bearing on the price shall be written both in figures and in words in the prescribed offer form (SOR). In case of difference in words and figures, the amount written in words will be taken into consideration. In the event of any discrepancy between total unit cost and total cost, the value shown in total unit cost will be taken for evaluation purpose.

24.4 **Fall Clause:** - Not Applicable.

**25. Clause wise Compliance**

25.1. Clause wise compliance statement of all the terms & conditions of tender document, including addenda/corrigenda, if any shall be enclosed with the offer along with the technical literature of the material and other documents in support of relevant clauses.

**26. Inspection**

26.1. Inspection shall be carried out by RailTel's authorized representative. Charges for 3<sup>rd</sup> party inspection if any shall be borne by RailTel but necessary facilities to carry out tests/witness inspection shall be provided by the manufacturer/ tenderer, free of cost.

26.2 Along with inspection call, the tenderer/manufacturer shall submit details of test procedures, test programme, test parameters together with permitted values, etc.,and their Quality Assurance Plan.

26.3 In case material fails during inspection, the fresh lot of material shall be offered without any extra cost, by the manufacturer/tenderer. In such a case, total cost of re-inspection including travel, lodging & boarding of the inspecting officials

shall be to manufacturer's/ tenderer's account.

**27. Force Majeure**

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

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

**28. Settlement of Disputes and Arbitration**

If any matter arises between the parties about this agreement then the parties shall meet to discuss the matter and shall negotiate in good faith to endeavour to resolve the matter; however if any matter arising has not been resolved by the parties within thirty (30) days after the date the party raising the matter gave notice of it to the other party then the matter shall be submitted by either party to Arbitration.

28.1 Arbitration shall be held in New Delhi, India. The arbitration shall be conducted as per the provisions of Indian Arbitration and Conciliation Act 1996 and any statutory modification or re-enactment thereof.

28.2 The arbitration shall be conducted by a sole arbitrator appointed by CMD/RailTel.

28.3 The arbitration proceedings shall be conducted in the English language.

28.4 The decision of the arbitrator thereon shall be final, conclusive and binding on both the parties to the Agreement.

- 28.5 Each party shall bear the cost of preparing and presenting its case, and the cost of arbitration, including fees and expenses of the arbitrators, shall be shared equally by the parties unless the award otherwise provides.

**29. Governing Laws**

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

**30. Termination for Default**

- 30.1. 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.

**31. Risk & Cost**

If the contractor fails to deliver the Cards/Modules or honour the contractual commitment within the period fixed for such delivery in the contract, the Purchaser may terminate the Purchase order/contract in whole or in part, the Purchaser may proceed to purchase, upon such terms and in such manner as it deems appropriate, goods similar to those undelivered at no risk and cost to contractor. However, the security deposit of tenderer shall be forfeited/ Performance Bank Guarantee shall be encashed. The failed tenderer shall not be permitted to take part in the tender for balance work.

**31.1 Limitation of Liability**

The Maximum Liability of tenderer to any Loss/Damages to RailTel including Liquidity Damages and Performance Guarantee shall be limited to 100% of Value of contract.

**32. Termination for Insolvency**

The purchaser may at any time terminate the LOA/Sub PO/PO by giving written notice to the tenderer, without compensation to the tenderer, if the tenderer becomes bankrupt or otherwise insolvent as declared by the competent court provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the

Purchaser.

**33. Rates during Negotiation**

The tenderer/s shall not increase his/their quoted rates including payment terms in case the RailTel Administration negotiates for reduction of rates. Such negotiations shall not amount to cancellation or withdrawal of the original offer and the rates originally quoted will be binding on the tenderer/s.

**34. Pre-Bid Clarification Requests**

Not Used.

**35. Submission of offers:**

This e-tender should be duly submitted online using e-Procurement Portal: <https://www.ireps.gov.in>

- a. The offer shall be submitted in single packet system in IREPS portal as per instructions given in Chapter-4A on or before specified date & time as mentioned in BDS, Chapter-5.
- b. Tenderer shall quote in SOR provided in IREPS portal. In case the schedule of requirement quoted by tenderer is incomplete with reference to tender document, the offer is liable to be rejected.
- c. Any document submitted/uploaded in IREPS portal must be duly signed/digitally signed & stamped by the tenderer in each page.
- d. The 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.
- e. Tenderers are requested to go through all the conditions of the tender document 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).
- f. ATTESTATION OF ALTERATION: No scribbling is permissible in the tender documents. Tender containing erasures and alterations in the tender documents are liable to be rejected. Any correction made by the tenderer/ tenderers in his/their entries must be signed (not initialed) by him/them.

**36. Constitution of Firm and power of Attorney**

- 36.1.** 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 a 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 the Board of Directors or in pursuance of the authority conferred by Memorandum of Association.
- 36.2. 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 other 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.
- 36.3. 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.
- 36.4. In case where the Power of Attorney partnership deed has not been executed in English, the true and authenticated 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 for the work.
- 36.5. The duly notarized Power of Attorney shall be submitted in original or duly signed.
37. **Opening of Tender**  
Tenderer's Bid will be opened on specified date & time as mentioned in BDS Chapter 5 of the tender in presence of such Tenderers/Representatives who choose to be present.
38. **Non-Transferability & Non-Refundability**  
The tender documents are not transferable. The cost of tender paper is not Applicable.
39. **Errors, Omissions & Discrepancies**  
The Contractor(s) shall not take any advantage of any mis-interpretation of the conditions due to typing or any other error and if in doubt, shall bring it to the notice of the purchaser without delay. In case of any contradiction only the printed rules, and books should be followed and no claim for the mis-interpretation shall be entertained.

**(End of Chapter- 4A)**

## **Chapter- 4 B**

### **e-Tendering Instructions**

1. **This tender is processed as E-Tender**
2. **Submission of Bids only through online process is mandatory for this Tender**

e-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Now, the Government of India has made e-tendering mandatory. Suppliers/ Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, RailTel has decided to use the portal <https://www.ireps.gov.in>, Indian Railways E-procurement system (IREPS).

Benefits to Suppliers are outlined on the Home-page of the portal. Bidders are advised to visit the IREPS Portal for details related to E-Tender i.e. Registration, FAQ, Helpdesk, Learning Center etc.

3. **Tender Bidding Methodology:**  
Sealed Bid System - 'Single Stage - Single Envelope': In this, bidder has to submit the Technical as well as financial bid / Price Bid **"ONLINE"**.

#### **IREPS Helpdesk**

Please visit Helpdesk section on IREPS Portal.

#### **RailTel's Contact Person & Designation:**

Shri Sanjay Kumar,  
Asstt. GM /NOC  
Telephone/Mobile: 9007044162  
E-Mail Id: sanjaykumar@railtelindia.com

Shri P D James  
Asstt.GM/Contracts  
Telephone/Mobile No. 033-44041462/ 9007044114  
Email id.: pdjames@railtelindia.com

**The entire bid-submission would be online on IREPS Portal.**

4. **Broad outline of submissions are as follows:**
  - i. Offer letter complete
  - ii. Schedule of Requirements shall contain the price of each item quoted exactly according to the proforma of schedule of requirements and price breakup in Annexure-A.
  - iii. Duly stamped and signed/ digitally signed copy of Tender Documents/

Addenda

- iv. Earnest Money Deposit (EMD)
- v. Constitution of Firm and Power of Attorney
- vi. System performance Guarantee
- vii Online response to Terms & Conditions of Tender
- viii Declaration regarding acceptance of clarification issued from DoT (Clause 17, Chapter 4 of Tender Document).
- ix Clause wise compliance to tender conditions.
- x Form No 3 (Checklist) of Chapter-6.
- xi Any other document asked in the tender but not listed above.
- xii Any Other information desired to be submitted by the tenderer.

**NOTE: Bidder must ensure that the bid must be successfully submitted online as per instructions of IREPS Portal.**

**5. Offline Submission:**

The bidder is required to submit the following documents offline to RailTel Corporation of India Ltd, Regional General Manager, RailTel Corporation of India Limited, Eastern Region, 3<sup>rd</sup> Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata – 700 071 before due date & time of submission of bids specified in this tender document, in a Sealed Envelope. The envelope shall bear (the tender name), the tender number and the words 'DO NOT OPEN BEFORE' (due date & time):

- a) **Power of attorney** in favour of the signatory duly authorizing the signatory shall be submitted to the tendering authority before the due date and time of submission of the Tender.
- b) **System Performance Guarantee** (Form No.2 from OEM)

NOTE: The Bidder has to upload the Scanned copy of all above original documents as Bid-Annexures during Online Bid-Submission.

**EMD shall be submitted through Online Transfer/ payment gateway of IREPS Portal.**

c) Not used.

d) Not used

6. Not used

NOTE: In case of internet related problem at a bidder's end, especially during 'critical events' such as - a short period before bid-submission deadline, during online public tender opening event, it is the bidder's responsibility to have backup internet connections. In case there is a problem at the e-procurement/ e-auction service provider's end (in the server, leased line, etc.) due to which all the bidders

face a problem during critical events, and this is brought to the notice of RailTel by the bidders in time, then RailTel will promptly re-schedule the affected event(s).

In case there is a problem at the e-procurement/ e-auction service provider's end (in the server, leased line, etc.) due to which all the bidders face a problem during critical events, and this is brought to the notice of RailTel by the bidders in time, then RailTel will promptly re-schedule the affected event(s).

7. Instructions for Tender Document TO THE BIDDERS  
The RailTel Tenders are published on [www.railtelindia.com](http://www.railtelindia.com) and on IREPS Portal <https://www.ireps.gov.in>.  
NOTE: For online bid submission the bidder will have to necessarily download an official online copy of the tender documents from IREPS portal, and this should be done well before the deadline for bid-submission.
8. Submission of Offers and Filling of Tender:  
This e-tender should be duly submitted online using the e-Procurement Portal <https://www.ireps.gov.in>. For detailed instructions please refer to IREPS Portal.
9. Fax Quotations & Late Tenders: Fax Tender documents and Late/Delayed tenders would not be considered.
10. Attendance of Representatives for Tender Opening: Representatives of bidders 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. Authorized representatives of those firms who have submitted the tender documents alone shall be allowed to attend the tender opening.
11. 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 IREPS Portal only. Bidders who are unable or unwilling to bring their tenders to conform to the requirements of the RailTel are liable to be rejected.
12. Ambiguity/ Pre- Bid Clarification Requests:  
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 through emails to RailTel Contacts defined above. All clarification shall be responded through email.
13. Bid submission and Opening date
- 13.1 The bid should be submitted online along with Credential/Techno commercial & Price bid document (all documents).
- 13.2 Power of attorney in favor of the signatory duly authorizing the signatory shall be submitted in a separate envelope to the tendering authority before the due date and time of submission of the e-Tender.
- 13.3 The bidder's bids will be opened at the time & date of opening of the tender given in the Bid Data Sheet (BDS) online simultaneous in presence of such Bidders/ Representatives who choose to be present online. The Tenders/Representatives

can also choose to be physically present in the office of RailTel for the Online Public Tender Opening Event.

14. Other Instructions

For further instructions, the vendor should visit the home-page of the portal (<https://www.ireps.gov.in>) and go to the User-Guidance Center.

15. Additional Instructions: Please note

For E-Tendering bids /information by bidders is to be submitted "Online" on IREPS's e-Procurement 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. 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 and Special Conditions including Technical Specifications before filling up the Tender Form carefully.

**CHAPTER - 5**  
**BID DATA SHEET**

| <b>Reference</b>          | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tender Notice             | <b>Name of work</b><br>Upgradation of Ciena DWDM Network (100G) in Odisha State for RailTel Corporation of India Ltd., Eastern Region.<br>.                                                                                                                                                                                                                                     |
| Clause 1.2<br>Chapter - 4 | <b>Validity of offer</b><br>60 days                                                                                                                                                                                                                                                                                                                                             |
| Clause 4<br>Chapter - 4   | <b>Warranty</b><br>36 months from date of supply                                                                                                                                                                                                                                                                                                                                |
| Clause 6<br>Chapter - 4   | <b>Delivery period</b><br>90 days from date of issue of PO                                                                                                                                                                                                                                                                                                                      |
| Clause 18<br>Chapter - 4  | <b>Purchaser's right to vary quantities</b><br>RailTel may place order for additional quantity up to 125% of the order quantity if required, with the same rate terms and conditions. The variation of quantity from 125% to 140% will be with 2% rebate, the variation of quantity from above 140% to 150% will be 4% rebate and beyond 150% after negotiation by a committee. |
| Clause 2<br>Chapter - 4   | <b>EMD:</b><br>Rs. 6,31,300.00                                                                                                                                                                                                                                                                                                                                                  |
| Clause 8<br>Chapter- 4    | <b>Performance Guarantee</b><br>Performance Guarantee @ 3% of the PO value (Incl. GST) of the stores is required to be submitted with validity of 39 months, 03 months beyond warranty period of supply (36+3).                                                                                                                                                                 |
| Clause – 7.4<br>Chapter-4 | <b>Bill passing Authority:</b><br>Regional General Manager/ Eastern Region<br><br><b>Bill paying Authority:</b><br>Addl. GM/Finance                                                                                                                                                                                                                                             |
| Tender notice             | <b>Bid/offer Submission Start date.</b><br><b>Date. 09.11.2022</b>                                                                                                                                                                                                                                                                                                              |

|               |                                                                                                                                                                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tender Notice | <b>Last Date of submission of offer (online)</b><br><br><b>Date 22.11.2022</b><br><br><b>Time: 14:00 hr.</b>                                                                                                                                                                            |
| Tender Notice | <b>Date of opening of the Bids (Online)</b><br><br><b>Date 22.11.2022</b><br><br><b>Time: 14:30 hr.</b><br><br><b>Venue: RailTel Corporation of India Limited,<br/> Chatterjee International Centre, 3<sup>rd</sup> Floor,<br/> 33A, Jawaharlal Nehru Road,<br/> Kolkata – 700 071.</b> |

**Note:** If the details given in BDS contradict with referred clause in the detailed tender document, the details in BDS will have overriding priority over the referred clause in the tender document.

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**CHAPTER – 6****Form No.1****Proforma for Performance Bank Guarantee****PERFORMANCE BANK GUARANTEE BOND  
(On Stamp Paper of Rs. One Hundred)**

(to be used for performance Guarantee value beyond Rs. 5 Lacs from approved Scheduled Bank)

In consideration of the RailTel Corporation of India Limited. 3<sup>rd</sup> & 16<sup>th</sup> Floor, Chatterjee International Centre, 33 A Jawaharlal Nehru Road, Kolkata – 700 071 (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, or 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.

1. We, ..... do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. ....
2. We, ..... bank undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / Supplier(s) in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal.

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

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

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

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

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

Dated the                      day of                      2022  
for .....  
(Indicate the name of the Bank)

Witness

1. Signature  
Name
2. Signature  
Name

\*\*\*\*\*

Form No.2

**PROFORMA FOR “MANUFACTURER’S AUTHORIZATION FORM”**

**Note:** This authorization letter should be printed on the letterhead of all the original equipment manufacturer (OEM) and should be signed by a competent person having the power of attorney to bind the manufacturer.

**Regional General Manager,**  
RailTel Corporation of India Limited/ER  
3rd & 16<sup>th</sup> floor, Chatterjee International Centre,  
33A, Jawaharlal Nehru Road,  
Kolkata – 700071

Dated: .....

Subject: Manufacturer Authorization form (MAF) to M/s ..... for  
.....

Ref: Bid No.....dated.....

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 and Installation & Commissioning 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

**Form No.3**

**PROFORMA FOR THE SYSTEM PERFORMANCE GUARANTEE  
( FROM OEM )**

(On Stamp Paper of Rs. one hundred)

Regional General Manager,  
RailTel Corporation of India Ltd./Eastern Region,  
3<sup>rd</sup> & 16<sup>th</sup> Floor, Chatterjee International Centre,  
33A, Jawaharlal Nehru Road,  
Kolkata – 700071.

I / We hereby guarantee that the tender requirement, on the basis of which we have submitted our tender no. .... has been carefully read and complied in our offer to conform to the end objectives in the tender documents and to technical specification therein. We further guarantee that in the event of the performance of the system, when installed, not complying with the end objectives or with the specifications contained in the tender documents, we shall provide further inputs to enable the RailTel to realize the end objectives contained in these documents without any additional payment for any additional Cards/Modules which may be required in this regard. We further guarantee that all the expenses for providing the additional inputs under the System Guarantee will be borne by us. We further guarantee that these additional inputs will be provided by us to make the system workable within 1 month from the date on which this guarantee is invoked by the Purchaser. The guarantee is valid for a period of one year from the date of commissioning of the system.

(Signature of Firm's Authorized  
Officer)

Seal

Signature of witness:

1. ....

2. ....

**Form No. 4****CHECK LIST OF ESSENTIAL DOCUMENTATION/ACTIVITY**

The tenderer is required to submit offer as per following check list by giving page no. of submitted documents:

| Srl. No. | Item/Clause of the Tender document                                                                                                                                               | Details/Remarks | Page No. of the Bid |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
|          | Credential/Techno Commercial Bid                                                                                                                                                 |                 |                     |
| 1        | Earnest Money Deposit (EMD)                                                                                                                                                      |                 |                     |
| 2        | Duly Stamped and Signed/ digitally signed Tender Document / Corrigenda / Addenda (Clause 4 of Chapter-4A of Tender Document)                                                     |                 |                     |
| 3        | Offer Letter duly signed by authorized signatory (Chapter -1 of Tender Document)                                                                                                 |                 |                     |
| 4        | Power of Attorney to Signing the Bid (Clause 36, Chapter 4 of Tender Document)                                                                                                   |                 |                     |
| 5        | Clause wise compliance statement of all the terms & conditions of tender document, including technical;addenda/ corrigenda, if any (Clause 25.1 of Chapter-4 of Tender Document) |                 |                     |
| 6        | Form no. 2 (System Performance Guarantee) (Clause 15.2, Chapter 4 of Tender Document)                                                                                            |                 |                     |
| 7        | Schedule of Requirements (with price) (Chapter-2 of Tender Document)                                                                                                             |                 |                     |
| 8        | Unit rate analysis of each SOR item with break-up of taxes/duties as per proforma attached as Annexure- A of Chapter-2)                                                          |                 |                     |
| 9        | Technical proposal, Design document along with the Solution of tenderer in conformity with systemrequirement of the tenderer, if any.                                            |                 |                     |
| 10       | Declaration regarding acceptance of clarification issued from DoT (Clause 17, Chapter 4 of Tender Document)                                                                      |                 |                     |
| 11       | Any other document asked in the tender but not listed above                                                                                                                      |                 |                     |
| 12       | Additional Documents enclosed with offer, if any                                                                                                                                 |                 |                     |

(End of Chapter – 6)

**Annexure-1**

**Circular relating to bidders from countries sharing a land border with India**

- 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 share holders 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.]"