



**Request for Proposal
for Supply of IP-MPLS Router along with EMS at Block and
GP Locations with accessories including installation,
integration, testing and commissioning and AMC for 7 years
for NER-II.**

**Ref. No: ITI/BGP/B-Net/ M4226I001
Dated – 04-09-2025**

**ITI LIMITED, Bangalore Plant
Dooraavaninagar
District - Bengaluru
Karnataka 560016**

1. INTRODUCTION

ITI Limited (ITI), a Public Sector Undertaking under the Department of Telecommunications, Ministry of Communications, is a leading Telecom equipment manufacturer and turnkey solution provider in ICT and Telecom Domain in India. ITI is having state of the art, latest electronic manufacturing infrastructure in its plants situated at Bengaluru, Palakkad, Rae Bareli, Mankapur and Naini. It has pan India presence through its Marketing, Services & Project offices (MSP).

The major customers are Government/ Defence/ Paramilitary forces/Railways/PSUs like BSNL, MTNL/Private Corporates.

More information can be viewed on www.ityltd.in

ITI has submitted its bid in Bharat Net Phase III project for Development (Creation, Upgradation and Operation & Maintenance) of Middle mile network of BharatNet on Design Build Operate and Maintain (DBOM) Model.

In this regards, RFP are invited **under e-tender mode (2 bid system)** only from the ITI MAF Partners for supply of IP-MPLS Router along EMS at Block & GP Location with accessories including installation, integration, testing and commissioning at Block & GP Location along with AMC for 7 years for NER-II . The bidders must be having necessary TSEC certifications as per Technical Specifications mentioned in the BSNL Tender Enquiry No.: MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 and its amendments or have applied for TSEC.

2. IMPORTANT DATES

S.No	Activity	Schedule
1	Bid Issue Date	04/09/2025
2	Due Date & Time for Submission of RFP through e-Wizard	15/09/2025 11:00 AM
3	Date & Time of opening of Technical Bod of RFP	15/09/2025 11:30 AM
4	Opening of Financial Bids	Will Be intimated later On
5	Tender Fee (Non- Refundable)	INR 5900.00 including GST
6	EMD (Earnest Money Deposit) exempted for MSE Vendors	INR 41,38,000.00 including GST
7	All the pages of this tender document must be signed and sealed by the Competent Authority.	
8	Contact Person Details	DGM-IMM Id:pnchaudhary_bgp@ityltd.co.in Mob: 9415276156

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

EMD: The Bidder shall deposit EMD for an amount of **Rs. 41,38,000.00** through online gateway available in the e-wizard Portal. This shall be paid well in advance of tender submission time. The same will be returned without interest after selection of partner. Bank Transfer details shall be indicated on the letter head along with a scanned copy of the above payment must be uploaded during tender submission [Note: MSE are exempted from paying EMD, however bid security declaration given at Annexure- III must be uploaded in e-wizard in Lieu of EMD]. Also MSME Supporting documents needs to be submitted.

3. PURPOSE

ITI intends to Supply of IP-MPLS Router along EMS at Block & GP Location with accessories including installation, integration, testing and commissioning to NER-II Region along with AMC for 7 years (Arunachal Pradesh, Nagaland & Manipur) for Bharat-net phase – III project under package 15 respectively to meet existing order requirements on RFP Basis.



Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

For Generic Technical Specification refer to **Annexure-IV**.

4. SCOPE OF WORK

4.1. **Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II Region.**

Sl No	Item Description	Product	NER-II Qty
PART-A			
1	IP-MPLS – Type A Router at Block locations with accessories (as per section (IV C),Annexure-B,II&III)	Block Router	26
2	IP-MPLS – Type B Router at Block locations with accessories (as per section (IV C),Annexure-B,II&III)	Block Router	232
3	EMS for Block routers including H/W & S/W and perpetual licenses including I & C and integration with NMS at S-NOC Server	EMS	129
4	EMS additional perpetual license including H/W & S/W upgradation including I & C and integration with NMS at S-NOC Server	EMS	129
5	IP-MPLS- Type C Router at GP locations with (as per Section (IV C), Annexure-B, II & III)	GP Routers	590
6	IP-MPLS- Type D Router at GP locations with accessories (as per Section (IV C), Annexure-B, II & III)	GP Routers	5312
7	EMS for GP Routers including HW/SW and perpetual licenses including I & C and integration with NMS at S-NOC Server	EMS	2951
8	EMS for GP Locations additional perpetual license including HW and SW upgradation including I and C and integration with S NOC servers	EMS	2951
PART B			
1	Installation, integration, testing and commissioning IP-MPLS – Type A Router at Block locations (as per section (IV C),Annexure-B,II&III)	Block Router	26
2	Installation, integration, testing and commissioning IP-MPLS – Type B Router	Block Router	232

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

	at Block locations (as per section (IV C),Annexure-B,II&III)		
3	Installation, integration, testing and commissioning IP-MPLS – Type C Router at GP locations (as per section (IV C),Annexure-B,II&III)	GP Routers	590
4	Installation, integration, testing and commissioning IP-MPLS – Type D Router at GP locations (as per section (IV C),Annexure-B,II&III)	GP Routers	5312
PART C			
	AMC for 1 st Year	Block, GP Routers, EMS & additional EMS for all locations	1
	AMC for 2nd Year	Block, GP Routers, EMS & additional EMS for all locations	1
	AMC for 3rd Year	Block, GP Routers, EMS & additional EMS for all locations	1
	AMC for 4th Year	Block, GP Routers, EMS & additional EMS for all locations	1
	AMC for 5th t Year	Block, GP Routers, EMS & additional EMS for all locations	1
	AMC for 6th Year	Block, GP Routers, EMS & additional EMS for all locations	1
	AMC for 7th Year	Block, GP Routers, EMS & additional EMS for all locations	1

Note:1 Router should be capable to accommodate SFPs of Make like Tejas, HFCL, Syrotech & AE Connect

Note:2 EMS licence shall be perpetual basis

Note:3 Accessories to be supplied along with each Block and GP Routers as per **Annexure-X**

Note:4 Compliance to below **Annexure-XI**, QR Format, State code, Material Code, Material Code-SNOC, Logo BN & BSNL is mandatory while supplying the materials.

- 4.2. This tender is released in reference of BSNL tender No: MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 and its amendments. Same may be referred during the execution of the project.
- 4.3. The quantities mentioned are tentative only and it may increase or decrease as per our requirement.
- 4.4. Party shall quote for the package 15.
- 4.5. L1 evaluation will be cumulative of [X+Y+Z] i.e Table1 (Supply of Materials including I&C of EMS)+ Table2 (Installation, integration, testing and commissioning)+ Table3 (AMC for 7 years) through value/rate based reverse auction and percentage based reverse auction.
Reverse Auction (RA) will be enabled separately for each table. Process and Instruction of reverse action will be intimated to the Bidders once the financial bid is opened.
Bidders should declare each line items unit rate before placing the Purchase Order.
- 4.6. Purchase Orders may be released only for this package on Supply of items. PO for I&C and AMC will be separately at the discretion of M/s ITI Limited upon our requirement.
- 4.7. ITI reserves the right to cancel the full tender OR reject any or all offers and to order its full or part quantities thereof without assigning any reason what so ever.
- 4.8. **Delivery Location –**

Package	Telecom Circle	Delivery Location
15	Arunachal Pradesh	At single location of Arunachal Pradesh
	Nagaland	At single location of Nagaland
	Manipur	At single location of Manipur

Exact Locations will shared well before delivery of materials.

Delivery Schedule

- 4.9. The party shall deliver the items in the staggered manner at NER-II regions within 3 years, as per Purchase order issued from time to time based on the LOI / Contract.
- 4.10. Delivery schedule of the material should be as per Purchase order issued from time to time based on the LOI / PO. First Lot (i.e 15% quantity of each items) should be delivered by 15th December-2025.
- 4.11. Rates should be quoted DAP and it should be inclusive of Freight, Insurance, packing, loading & unloading charges etc.
- 4.12. The Prices quoted shall be valid for a period of three years / till completion of supply, Installation, Integration, Testing & commissioning of items from date of issue of letter of intent / contract.
- 4.13. The Prices quoted by the Tenderer should be firm and no escalation on any account whatsoever shall be paid for this work.

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

- 4.14. ITI will notify the successful bidder & issue the letter of intent / contract order in writing by registered letter / e -mail to be confirmed that their tender has been accepted.
- 4.15. Loading & Unloading of the material at factory premises and at destination shall be in the scope of supplier only.

BSNL QA Inspection

- 4.16. BSNL QA Inspection, Testing & Clearance will be in the scope of supplier only.
- 4.17. BSNL QA Testing charges bill be reimbursed on production of certificate and bills as per BSNL Tender referred above
- 4.18. Comprehensive Warranty – The bidder shall support for the offered product for comprehensive warranty of Two (02) years from date of Installation & commissioning or Two and half (2.5) years from date of supply whichever is earlier. Equipment is not field repairable, only power supply and fan modules can be repaired at site. Spares for the same are considered in line with clause no 4.31 this RFP. Bidder will provide L3 support The faulty equipment has to be sent by ITI Limited to Bidder's warehouse/ repair centre. Bidder will send back the repaired equipment to the site within TAT. For Turn Around Time (TAT), BSNL tender will be referred.

4.19. Payment Terms:-

a. For Supply

90% payment by LC against delivery with 180 days usance period, from the date of delivery of the items at designated stores.

Condition:- Certificate of receipt of material indicating date of delivery issued by ITI Ltd to be submitted for claim of 90% payment after deduction of LD if any.

10% payment will be made after successful completion of warranty period of Two (02) years from date of Installation & commissioning or Two and half (2.5) years from date of supply whichever is earlier within 30 days through open credit after deduction of LD if any.

b. For Installation, integration, testing and commissioning

Payment will be made after the successful completion of Installation &

Commissioning (I&C), with a credit period of 60 days from the date of submission of the I&C Completion Certificate certified by M/s ITI Limited. The certificate must confirm that I&C has been successfully carried out by the I&C vendor and is visible at the S-NOC

c. For AMC of 7 years

Payment will be made on a quarterly basis after the successful completion of the AMC, subject to a credit period of 60 days from the date of submission of a satisfactory AMC report, duly certified by M/s ITI Limited

Separate LC will be established for each lot as defined above against invoices.

Note:-ALL the LC Charges must be borne by Vendor only

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

4.20. Party shall raise the Tax invoices against each supply separately, in the name of ITI Ltd Bangalore and material shall be shipped to the consignee provided by ITI limited Bangalore.

4.21. Supplier shall be OEM only. In case of a channel partner participating in this tender, Authorization Letter from the OEM is mandatory for this particular tender.

4.22. PBG

a. For Supply:

Bidder shall submit PBG @ 5% of the PO value within 14 working days from date of issue of LOI/ PO, for the entire warranty period + Two (02) Months extra.

b. For Installation, integration, testing and commissioning

Bidder shall submit separate 5% PBG value for installation, integration, testing and commissioning at the time of award of I&C LOI/PO

c. For AMC of 7 years

Bidder shall submit 5% PBG value for AMC at the time of award of AMC LOI/PO. Above PBG's must be valid throughout the executions of the above works + Two (02) Months extra.

PBG format attached as **Annexure-VIII** .

4.23. Whether Willing for transfer of technology for Router including EMS software (Part-A), if so, please provide TOT fee/ Royalty charges if any on separately.

4.24. QF103/Provision TSEC/ Clear TSEC certificate will be accepted for this RFP. However clear TSEC certificate is required to be submitted by 30th September 2025 otherwise Bidders will be technically disqualified. No relaxation or extension shall be granted under any circumstances.

Make & Model of Router & EMS:-

Descriptions	Make	Model	Make	Model	Make	Model	Make	Model
IP-MPLS Router at Block location Supply of router at Block locations with accessories including installation, integration, testing and commissioning (as per Section (IV C), Annexure-B, II & III)	Tejas	Type-A (Non-chassis) - TJ1400P-4C Type-A (Chassis) - TJ1400-18 Type-B - TJ1400P-2C	HFCL	Type-A-DCR 1100008E Type-B-DCR 1100004J	Cisco	Type-A - NCS 5501 Type-B - N540-ACC-SYS	Juniper	Type-A - ACX7348 Type-B - ACX7024
IP-MPLS Router at GP location Supply of router at GP locations with accessories including installation, integration, testing and commissioning (as per Section (IV C), Annexure-B, II & III)	Tejas	Type-C - TJ1400P-4X4 Type-D - TJ1400P-2X2	HFCL	Type-C-DCR 1100-004K Type-D-DCR 1100-002K	Cisco	Type-C - NCS 5501 Type-D - N540-ACC-SYS	Juniper	ITI LIMITED
EMS for Block & GP routers (including H/W, S/W & licenses)	Tejas	TJ5500	HFCL	-	Cisco	-	Juniper	Paragon Suite
EMS additional license including H/W and S/W upgradation for Block and GP Routers	Tejas	TJ5500	HFCL	-	Cisco	-	Juniper	Paragon Suite

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

- 4.25. Party shall provide training for Installation, Commissioning and Maintenance of the Router & EMS for Block Locations to our designated officials free of cost.
- 4.26. Party shall provide the following documents at the time of supply –
 - Installation & Commissioning Manual
 - Maintenance & Repair Manual
 - TEC Certificate.
 - Warranty Certificates
- 4.27. All software upgrades and patches to be provided free of cost, as and when they are released by OEMs.
- 4.28. Installation of EMS software and its integration with Router, S-NOC and C-NOC shall be done by party free of cost.
- 4.29. The bidder shall support for the offered product for Post warranty comprehensive AMC as per the requirement of Customer tender terms and conditions. All software upgrades, patches and Licenses to be provided free of cost, as and when they are released by OEMs. This will be taken up separately.
- 4.30. The party shall provide comprehensive support to ITI for the installation, Integration, Testing & commissioning and maintenance of the product.
- 4.31. Party shall ensure to provide the required spares and service support for the supplied product for a period of ten (10) years (includes 3 years implementation) from date of supply of the equipment as per tender terms. In case the PMA (BSNL on behalf of USOF/DoT) requires to extend the period of contract with PIA beyond 10 years, party shall ensure to provide support for this extended period also. For covering warranty and further AMC required spares to be maintained by Bidders at state level in view of SLA of BSNL(for details RFP of BSNL may be referred).
- 4.32. Pre-Contract Integrity Pact as per **Annexure – II** shall be signed and submitted by the party along with technical bid. Pre-Contract Integrity Pact is to be submitted on Rs.300 Stamp paper.
- 4.33. **LD Clause:** If the supplier fails to deliver the material or part thereof as per the delivery schedule, or any extension thereof, we shall be entitled at our option either to recover from the supplier, as penalty, a sum equivalent to 0.5% (half percent) per week for first four weeks and 0.7% per week thereafter for such delay or part thereof to a maximum of 12% as per BSNL tender or terminate the contract in respect of the balance supply so delayed and purchase materials elsewhere at the risk and cost of the defaulting supplier.
- 4.34. The bidder shall provide clause-by-clause compliance of the bid document along with the technical bid.
- 4.35. Bidder may confirm the willingness of TOT for supplied items
- 4.36. The Quoted product (with make and models) of the bidder must meet the Technical Specifications as per the GR standard given at **Annexure-IV**.
- 4.37. The Financial Proposal shall be opened only for technically qualified proposals only.
- 4.38. The party shall quote their best rates as per the format given in the Financial Bid at **Annexure-V**.

4.39. DOCUMENTS / INFORMATION TO BE UPLOADED

	Check list of documents/information to be submitted
i.	The profile of the Bidder as per Annexure-I and Certificate of Incorporation of the Bidder company.
ii	Clause by Clause Compliance of the bid document shall be submitted along with the Technical bid
iii.	A Pre-Contract Integrity Pact as per the format given in Annexure-II.
iv.	A Bid Security declaration in lieu of the Earnest Money Deposit (EMD) as per format given in Annexure-III.
v	Technical Specification Annexure-IV
vi	Financial Bid as per Annexure – V
vii	Declaration of Bidders as per Annexure - VI
viii	Mutual non- disclosure agreement as per Annexure - VII
ix	PBG as per Annexure - VIII
x	Instructions to bidders as per Annexure IX
xi	Accessories to be supplied along with each Block and GP Routers as per Annexure X
xii.	QR Format, State code, Material Code, Material Code-SNOC, Logo BN & BSNL as per Annexure XI
xiii	A copy of valid TSEC Certificate as per Technical Specifications mentioned in the BSNL Tender Enquiry No.: MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 and its amendments or proof of having applied for TSEC (Copy Form QF-103 be attached)
xiv.	Technical literature/Brochures of the products.

4.40. SUBMISSION OF PROPOSAL

The proposals shall be uploaded on E-wizard on or before the due date and time as specified.

The URL for E-wizard is <https://itilimited.ewizard.com/>, <http://tenders.itilttd.in>.

For detailed information and for submission of bid or for any assistance please contact following-

Mr Gagan : 8448288987

Mr Nitin:8448288986

Mr Chaitanya:8448288985

Ms Sujatha:8448288989

E-mail Ids: ewizardhelpdesk@gmail.com, eprochelpdesk.37@gmail.com,
eprochelpdesk.21@gmail.com

Note:- Instructions to participate through e-wizards is attached as **Annexure-IX**

4.41. Accessibility of NIT Document: Complete NIT document with terms and conditions is provided in the following websites

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

- (i) <https://www.italtd.in/>
(ii) <http://eprocure.gov.in/>
(iii) <http://itilimited.ewizard.com>, <http://tenders.italtd.in/>

5. ELIGIBILITY CRITERIA TO BE COMPLIED BY BIDDERS

Sl. No	Eligibility criteria to be Complied by Bidders	Compliance (Yes/ No)
1	Tender Fee (INR 5900.00 including GST)	
2	EMD (Earnest Money Deposit) exempted for MSE Vendors-Rs. 41,38,000.00 including GST	
3	Valid MSE Certificate	
4	The profile of the Bidder as per Annexure-I and Certificate of Incorporation of the Bidder company.	
5	Name and address of the company	
6	Contact Details of the Bidder (Contact person name with designation, Telephone Number, FAX, E- mail and Web site)	
7	Certificate of Incorporation	
8	GST Registration number	
9	PAN Number	
10	CIN Number, if applicable	
11	Clause by Clause compliance of the RFP/Tender document. Each page of RFP must be duly sealed and signed by Competent Authority along with Addendums and Corrigendums	
12	A Bid Security declaration in lieu of the Earnest Money Deposit (EMD) as per format given in Annexure-III.	
13	Make and Model Compliance	
14	Declaration of Bidders as per Annexure - VI	
15	A copy of valid QF103/Provision TSEC/ Clear TSEC certificate as per Technical Specifications mentioned in the BSNL Tender Enquiry No.: MM/BNO&M/BN-III/T- 791/2024 issued on 15.02.2024 and its amendments or proof of having applied for TSEC	
16	Technical literature/Brochures of the product	
17	All the pages of this tender document, addendums if any must be signed and sealed by the Competent Authority.	
18	OEM Authorization Certificate (MAF Certificate)	
19	Power of Attorney	
20	Integrity Pact	
21	Compliance to ANNEXURE- X	
22	Compliance to ANNEXURE- XI	
23	Undertaking/Declaration on Bidder's letterhead, duly signed and sealed, stating that the clear TSEC certificate as requested in the RFP will be submitted by 30th September 2025	

ANNEXURE-I

BIDDER'S PROFILE

1	Name and address of the company	
2	Contact Details of the Bidder (Contact person name with designation, Telephone Number, FAX, E- mail and Web site)	
3	Date of Incorporation	
4	GST Registration number	
5	PAN Number	
6	CIN Number, if applicable	

ANNEXURE-II

PRE-CONTRACT INTEGRITY PACT-
(To be submitted on 300 Rs Stamp paper)
Tender ENQUIRY / BID /RFP No.....

THIS Integrity Pact is made on.....day of2025.

BETWEEN:

ITI Limited having its Registered & Corporate Office at ITI Bhavan, Dooravaninagar, Bangalore – 560 016 and established under the Ministry of Communications, Government of India (hereinafter called the Principal), which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman & Managing Director, Directors, Officers or any of them specified by the Chairman & Managing Director in this behalf and shall also include its successors and assigns) ON THE ONE PART

AND:

.....represented by..... Chief Executive Officer (hereinafter called the Contractor(s), which term shall unless excluded by or is repugnant to the context be deemed to include its heirs, representatives, successors and assigns of the bidder/contract ON THE SECOND PART.

Preamble

WHEREAS the Principal intends to award, under laid down organizational procedures, contract for (item details) of ITI Limited Bangalore Plant. The Principal, values full compliance with all relevant laws of the land, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal has appointed an Independent External Monitor (IEM), who will **monitor** the tender process and the execution of the contract for compliance with the principles as mentioned herein this agreement.

WHEREAS, to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact the terms and conditions of which shall also be read as integral part and parcel of the Tender Documents and contract between the parties.

NOW THEREFORE, IN CONSIDERATION OF MUTUAL COVENANTS STIPULATED IN THIS PACT THE PARTIES HEREBY AGREE AS FOLLOWS AND THIS PACT WITNESSETH AS UNDER:

SECTION 1 – COMMITMENTS OF THE PRINCIPAL

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

SECTION 2 – COMMITMENTS OF THE BIDDER/CONTRACTOR

- 2.1 The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself observe the following principles during the participation in the tender process and during the execution of the contract.
- a. The bidder(s)/contractor(s) will not, directly or through any other person or firm offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b. The bidder(s)/contractor(s) will not enter with other bidders/contractors into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary

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

- c. The bidder(s)/contractor(s) will not commit any offence under IPC/PC Act, further the bidder(s)/contractor(s) will not use improperly, for purposes of competition of personal gain, or pass onto others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any.
- e. The Bidder(s)/Contractor(s) will, when presenting the bid, disclose any and all payments made, are committed to or intend to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- f. The Bidder(s)/Contractor(s) will not bring any outside influence and Govt bodies directly or indirectly on the bidding process in furtherance to his bid.
- g. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

SECTION 3 – DISQUALIFICATION FROM TENDER PROCESS & EXCLUSION FROM FUTURE CONTRACTS

- 3.1 If the Bidder(s)/Contractor(s), during tender process or before the award of the contract or during execution has committed a transgression in violation of Section 2, above or in any other form such as to put his reliability or credibility in question the Principal is entitled to disqualify Bidder(s)/ Contractor(s) from the tender process.
- 3.2 If the Bidder(s)/Contractor(s), has committed a transgression through a violation of Section 2 of the above, such as to put his reliability or credibility into question, the Principal shall be entitled to exclude including blacklisting for future tender/contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and

circumstances of each case, particularly taking into account the number of transgression, the position of the transgressor within the company hierarchy of the Bidder(s)/Contractor(s) and the amount of the damage. The exclusion will be imposed for a period of minimum one year.

- 3.3 The Bidder(s)/Contractor(s) with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken. The undertaking is given freely and after obtaining independent legal advice.
- 3.4 A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that on the basis of facts available there are no material doubts.
- 3.5 The decision of the Principal to the effect that breach of the provisions of this Integrity Pact has been committed by the Bidder(s)/ Contractor(s) shall be final and binding on the Bidder(s)/ Contractor(s), however the Bidder(s)/ Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.
- 3.6 On occurrence of any sanctions/ disqualifications etc arising out from violation of integrity pact Bidder(s)/ Contractor(s) shall not entitled for any compensation on this account.
- 3.7 subject to full satisfaction of the Principal, the exclusion of the Bidder(s)/ Contractor(s) could be revoked by the Principal if the Bidder(s)/ Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption preventative system in his organization.

SECTION 4 – PREVIOUS TRANSGRESSION

- 4.1 The Bidder(s)/ Contractor(s) declares that no previous transgression occurred in the last 3 years immediately before signing of this Integrity Pact with any other company in any country conforming to the anti-corruption/ transparency International (TI) approach or with any other Public Sector Enterprises/ Undertaking in India of any Government Department in India that could justify his exclusion from the tender process.

- 4.2 If the Bidder(s)/ Contractor(s) makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Section-3 of the above for transgressions of Section-2 of the above and shall be liable for compensation for damages as per Section- 5 of this Pact.

SECTION 5 – COMPENSATION FOR DAMAGE

- 5.1 If the Principal has disqualified the Bidder(s)/Contractor(s) from the tender process prior to the award according to Section 3 the Principal is entitled to forfeit the Earnest Money Deposit/Bid Security/ or demand and recover the damages equitant to Earnest Money Deposit/Bid Security apart from any other legal that may have accrued to the Principal.
- 5.2 In addition to 5.1 above the Principal shall be entitled to take recourse to the relevant provision of the contract related to termination of Contract due to Contractor default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor or demand and recover liquidate and all damages as per the provisions of the contract agreement against termination.

SECTION 6 – EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS

- 6.1 The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.
- 6.2 The Bidder(s)/Contractor(s) undertakes to get this Pact signed by its sub-contractor(s)/sub-vendor(s)/associate(s), if any, and to submit the same to the Principal along with the tender document/contract before signing the contract. The Bidder(s)/Contractor(s) shall be responsible for any violation(s) of the provisions laid down in the Integrity Pact Agreement by any of its sub-contractors/sub-vendors/associates.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this Integrity Pact or violate its provisions.

SECTION 7 – CRIMINAL CHARGES AGAINST VIOLATING BIDDER(S)/ CONTRACTOR(S)

- 7.1 If the Principal receives any information of conduct of a Bidder(s)/Contractor(s) or sub-contractor/sub-vendor/associates of the Bidder(s)/Contractor(s) which constitutes corruption or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer of the Principal for appropriate action.

SECTION 8 – INDEPENDENT EXTERNAL MONITOR(S)

- 8.1 The Principal appoints competent and credible Independent External Monitor(s) for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extend the parties comply with the obligations under this pact.
- 8.2 The Monitor is not subject to any instructions by the representatives of the parties and performs his functions neutrally and independently. He will report to the Chairman and Managing Director of the Principal.
- 8.3 The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all product documentation of the Principal including that provided by the Bidder(s)/Contractor(s). The Bidder(s)/Contractor(s) will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The Monitor is under contractual obligation to treat the information and documents Bidder(s)/Contractor(s) with confidentiality.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meeting could have an impact on the contractual relations between the Principal and the Bidder(s)/Contractor(s). As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in specific manner, refrain from action or tolerate action.
- 8.5 The Monitor will submit a written report to the Chairman & Managing Director of the Principal within a reasonable time from the date of reference or intimation to him by the principal and, should the occasion arise, submit proposals for correcting problematic situations.
- 8.6 If the Monitor has reported to the Chairman & Managing Director of the Principal a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman & Managing Director of the Principal has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief

Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

- 8.7 The word '**Monitor**' would include both singular and plural.
- 8.8 Details of the Independent External Monitor appointed by the Principal at present is furnished below: -

1- Shri Atul Jindal, IFS (Retd.)

3/10 Vishesh Khand Opp. Little Friend School Gomti Nagar,
Lucknow-226010(UP)

2- Shri Benny John, IRS (Retd.):

Villa No. 36, Kent Plam Villas, Fort Valley Township, Athani,
Kakkanad, Ernakulam, Kerala – 682 030.

Any changes to the same as required / desired by statutory authorities is applicable.

SECTION 9 – FACILITATION OF INVESTIGATION

- 9.1 In case of any allegation of violation of any provisions of this Pact or payment of commission, the Principal or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder(s)/Contractor(s) and the Bidder(s)/Contractor(s) shall provide necessary information and documents in English and shall extend all help to the Principal for the purpose of verification of the documents.

SECTION 10 – LAW AND JURISDICTION

- 10.1 The Pact is subject to the Law as applicable in Indian Territory. The place of performance and jurisdiction shall be the seat of the Principal.
- 10.2 The actions stipulated in this Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

SECTION 11 – PACT DURATION

- 11.1 This Pact begins when both the parties have legally signed it. It expires after 12 months on completion of the warranty/guarantee period of the project / work awarded, to the fullest satisfaction of the Principal.

- 11.2 If the Bidder(s)/Contractor(s) is unsuccessful, the Pact will automatically become invalid after three months on evidence of failure on the part of the Bidder(s)/Contractor(s).
- 11.3 If any claim is lodged/made during the validity of the Pact, the same shall be binding and continue to be valid despite the lapse of the Pact unless it is discharged/determined by the Chairman and Managing Director of the Principal.

SECTION 12 – OTHER PROVISIONS

- 12.1 This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate Office of the Principal at Bangalore.
- 12.2 Changes and supplements as well as termination notices need to be made in writing by both the parties. Side agreements have not been made.
- 12.3 If the Bidder(s)/Contractor(s) or a partnership, the pact must be signed by all consortium members and partners.
- 12.4 Should one or several provisions of this pact turn out to be invalid, the remainder of this pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 12.3 Any disputes/ difference arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with this Pact or interpretation thereof shall not be subject to any Arbitration.
12. 4 The action stipulates in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

In witness whereof the parties have signed and executed this Pact at the place and date first done mentioned in the presence of the witnesses:

For PRINCIPAL

For BIDDER(S)/CONTRACTOR(S)

.....

.....

Dy. General Manager
ITI LIMITED, BANGALORE

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

Witness

1)

2)

Witness

1).....

2).....

ANNEXURE-III

Bid Security Declaration

Dated:

To
The ITI LIMITED
Bangalore Plant
Bengaluru, KARNATAKA-560016

We, the undersigned, declare that:

We accept that in case we are in breach of our obligation(s) under the following term and conditions against **Tender ID- Dated Due on** we will automatically be excluded from being eligible for Bidding or submitting Bid in any contract with ITI LIMITED for the period of two years from the date of signing this Bid-Security Declaration: -

- (a) have withdrawn or modify our Bid after tender opening during the period of Bid validity specified in the tender.
- (b) having not accepted the correction of errors in accordance with the Instructions to Bidders or
- (c) having been notified of the acceptance of our Bid by ITI Limited during the period of Bid validity (i) fail or refuse to furnish the performance security in accordance with the NIT, or (ii) fail or refuse to execute the Contract in accordance with the ITI LIMITED.

We understand this Bid-Security Declaration shall expire, if we are not the successful Bidder, upon the earlier of C(i) our receipt of your notification to us of the name of the successful Bidder; or

C(ii), thirty (30) days after the expiration of Bid Validity specified in the tender.

Sign and seal

Name of authorized Official

Legal Stamp

ANNEXURE-IV

Technical Specifications of Block Router with EMS for Block Locations		
<p>(1) Refer Tender Enquiry No.: MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 and its amendments.</p> <p>(2) Router and EMS for Block shall be supplied as per Purchase order issued from time to time based on the LOI / Contract</p>		
Specifications for Supply of IP-MPLS Router along with EMS at Block Location with accessories including installation, integration, testing and commissioning		
Sl	Parameter	Technical Specification of Block Routers
1	Category of Router	<p>The router/Operating System should be compliant to TEC-GR 48050:2022 dated on March 2022 or its latest amendment as per non-Chassis based Aggregation router Category XV or Chassis based Category VI. The OEM shall need to submit a copy of valid TSEC/ TAC or proof of having applied for TSEC/ TAC (BSNL registered QF-103 or TEC Form-B) at the time of technical bid submission and the final certificate before commencement of shipment.</p> <p>Router should be provided with 1+1 or N +1 power supply and Fan redundancy. Power supplies and Fans should be hot swappable for high availability, to ensure that there is no outage till both (main and standby) power supplies/ fans fail.</p>
2	Quantity of each Type of Interface i.e. 100G, 10G, 1G etc	<p>The router can be Chassis based for Type A with Control plane & Data plane redundancy but shall be of non-chassis based 1RU form-factor for Type B. Routers shall be as per requirement of chassis and non-chassis router defined in GR 48050:2022</p> <p>Block Routers shall be of two configuration:</p> <p>(1) Type A Router should support switching capacity of minimum 800 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP)</p> <p>(2) Type B Router should support switching capacity of minimum 300 Gbps. The router should be enabled on day 1 with the following configuration: a. 2 port of 100G (with 40km pluggable) b. 8 port of 10G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP)</p>

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

		Note: Pluggables will be as per Fiber planning
3	Wavelength, Distance criteria etc of each type of optical interface	The router should support all 100G ports for 100m, 10km, 40km & 80KM pluggable, and 10G ports for 100m, 10km, 40km & 80KM pluggable.
4	Requirement of Optional Security features	Router shall have support for DHCP snooping feature .All security requirements mandated with flag “Y” in the feature mapping table of the GR for category XV
5	Requirement of eMS	Single eMS of adequate capacity is to be supplied for all routers in the offered package. eMS will be as per Section 3.22 of TEC- GR 48050:2022 dated on March 2022 or its latest version.
6	Requirement of eMS network as per clause 3.33.1	
7	Requirement of eMS network redundancy and network elements	
8	Category and Type of Server Required for the eMS	Single eMS of adequate capacity is to be supplied for all routers in the offered package. eMS will be as per Section 3.22 of TEC- GR 48050:2022 dated on March 2022 or its latest version.
9	Type of Storage Required for the eMS	
10	Requirement of Optional eMS features	
11	Scalability requirements for the SLA anagement system like no. of business customers, maximum leads per customer etc may be provided	
12	North Bound interface Required towards NMS	
13	Requirement of Optional Features	
14	Clock support	Router should support NTP, Sync E, IEEE 1588v2 PTP (including G8265,G8273 ,G8275 profiles as applicable) and NTP. It should have internal Stratum 3E clock with holdover time of at least 4hours.
15	Ipv4 / Ipv6 Routes to be supported shall be specified for the aggregation and Core Routers among the options given	The router should have capability of minimum 2lakh Ipv4 / 1 lakh Ipv6 routes.

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

16	Documentation requirements as per clause 10.1	<p>The contractor shall provide following documents:</p> <ul style="list-style-type: none"> a. System description documents b. Installation, Operation and Maintenance documents c. Training document d. Repair manual <p>All technical documents shall be in English language both in CD- ROM and in hard copy.</p> <p>All necessary interfaces, connectors, connecting cables and accessories required for satisfactory installation and convenient operations shall be supplied. Type of connectors, adapters to be used shall be in conformity with the interfaces defined in this GR.</p>
17	Additional Installation Requirements as per clause 10.2	<p>All installation materials, consumables, and spare parts to be supplied.</p> <p>All literature and instructions required for installation of the equipment, testing and bringing it to service shall be made available in English language.</p> <p>For the installations to be carried out by the supplier, the time frames shall be furnished by the supplier including the important milestones of the installation process well before commencing the installations.</p>
18	Maintenance Requirements as per clause 10.3	<p>Special tools required for wiring shall be provided along with the equipment.</p> <p>All the software updates shall be provided on continuous basis for a minimum period of 5 years from the date of induction of system in the telecom network. These updates shall include new features and services and other maintenance updates.</p> <p>In the event of a bug found in the software, the manufacturer shall provide patches and firmware replacement if involved, free of cost. Compatibility of the existing hardware shall be maintained with future software/firmware.</p>
19	<p>Environmental Conditions- The routers shall be installed in the buildings without air conditioning where adequate ventilation may or may not be available. Therefore, the routers shall meet the Temperature and Humidity Requirements as per Category B of QM-333 standard.</p>	

Technical Specifications of IP-MPLS Router and EMS for GP Locations

- (1) Refer Tender Enquiry No.: MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 and its amendments.
- (2) Router and EMS for GP shall be supplied as per Purchase order issued from time to time based on the LOI / Contract

Specifications for Supply of IP-MPLS Router & EMS at GP Location with accessories including installation, integration, testing and commissioning

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

Sl	Parameter	Technical Specification of GP Routers
1	Category of Router	<p>The router/Operating System should be compliant to TEC- GR 48050:2022 dated on March 2022 or its latest amendment as per non-Chassis based Aggregation router Category XV. The OEM shall need to submit a copy of valid TSEC/ TAC or proof of having applied for TSEC/ TAC (BSNL registered QF-103 or TEC Form-B) at the time of technical bid submission and the final certificate before commencement of shipment.</p> <p>Router should be provided with 1+1 or N +1 power supply and Fan redundancy. Power supplies and Fans should be hot swappable for high availability, to ensure that there is no outage till both (main and standby) power supplies/ fans fail.</p>
2	Quantity of each Type of Interface i.e.100G, 10G, 1G etc	<p>The router shall be of Non-Chassis based 1RU form factor,</p> <p>GP Routers shall be of two configuration:</p> <p>(1) Type C Router should support switching capacity of minimum 80 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 ports of 10G (with 40km pluggable) b. 4 port 1/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. 4 port 1G (with 10km pluggable)</p> <p>(2) Type D Router should support switching capacity of minimum 40 Gbps. The router should be enabled on day 1 with the following configuration: a. 2 port of 10G (with 40km pluggable) b. 2 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. 4 port 1G (with 10km pluggable) Note: Pluggables will be as per Fiber planning</p>
3	Wavelength, Distance criteria etc of each type of optical interface	The Router should support 10G with 10km,40km,80km pluggable and 1GE optical port for 100m, 10km pluggable support.
4	Requirement of Optional Security features	Router shall have support for DHCP snooping feature. All security requirements mandated with flag “Y” in the feature mapping table of the GR at page-137 for category XV
5	Requirement of eMS	Single eMS of adequate capacity is to be supplied for all routers in the offered package. eMS will be as per Section 3.22 of TEC- GR 48050:2022 dated on March 2022 or its latest version.
6	Requirement of eMS network as per clause 3.33.1	

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

7	Requirement of eMS network redundancy and network elements	
8	Category and Type of Server Required for the eMS	Single eMS of adequate capacity is to be supplied for all routers in the offered package. eMS will be as per Section 3.22 of TEC- GR 48050:2022 dated on March 2022 or its latest version.
9	Type of Storage Required for the eMS	
10	Requirement of Optional eMS features	
11	Scalability requirements for the SLA Management system like no. of business customers, maximum leads per customer etc may be provided	
12	North Bound interface Required towards NMS	
13	Requirement of Optional Features	
14	Clock support	Router should support NTP, SyncE, IEEE 1588v2 PTP ((including G8265,G8273 ,G8275 profiles as applicable)and NTP. It should have internal Stratum 3E clock with holdover time of at least 4 hours.
15	Ipv4 / Ipv6 Routes to be supported shall be specified for the aggregation and Core Routers among the options given	The router should have capability of minimum 20k Ipv4 / Ipv6 routes.

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

16	Documentation requirements as per clause 10.1	<p>The contractor shall provide following documents:</p> <p>a. System description documents</p> <p>b. Installation, Operation and Maintenance documents</p> <p>c. Training document</p> <p>d. Repair manual</p> <p>All technical documents shall be in English language both in CD- ROM and in hard copy.</p>
17	Additional Installation Requirements as per clause 10.2	<p>All necessary interfaces, connectors, connecting cables and accessories required for satisfactory installation and convenient operations shall be supplied. Type of connectors, adapters to be used shall be in conformity with the interfaces defined in this GR.</p> <p>All installation materials, consumables, and spare parts to be supplied.</p> <p>All literature and instructions required for installation of the equipment, testing and bringing it to service shall be made available in English language.</p>
18	Maintenance Requirements as per clause 10.3	<p>For the installations to be carried out by the supplier, the time frames shall be furnished by the supplier including the important milestones of the installation process well before commencing the installations.</p> <p>Special tools required for wiring shall be provided along with the equipment.</p> <p>All the software updates shall be provided on continuous basis for a minimum period of 5 years from the date of induction of system in the telecom network. These updates shall include new features and services and other maintenance updates.</p> <p>In the event of a bug found in the software, the manufacturer shall provide patches and firmware replacement if involved, free of cost. Compatibility of the existing hardware shall be maintained with future software/firmware.</p>
19	<p>Environmental Conditions- The routers shall be installed in the buildings without air conditioning where adequate ventilation may or may not be available. Therefore, the routers shall meet the Temperature and Humidity Requirements as per Category B of QM-333 standard.</p>	

- Bidder must provide clause wise compliance of the above specification along with technical compliance.
- A copy of valid TSEC Certificate as per Technical Specifications mentioned in the BSNL Tender Enquiry No.: MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 and its amendments or proof of having applied for TSEC (Copy Form QF-103/ QF103/Provision TSEC/ Clear TSEC certificated will be accepted for this RFP.

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

- However clear TSEC certificate is required to be submitted by 30th September 2025 otherwise Bidders will be technically disqualified. No relaxation or extension shall be granted under any circumstances..
 - MTCTE& TTP as per applicable to BSNL RFP has to be submitted along with the TSEC Certificate otherwise Bidder will be Technically disqualified.
 - Party shall ensure the validity of the TSEC till completion of the supply, Installation, Integration, testing and commissioning.
 - All the raw materials shall be used as per the sources mentioned in the TSEC Certificate only.
 - Routers and EMS for Block & GP locations shall be complete in all respect.
-

Financial Bid Format

ANNEXURE-V

TABLE 1: Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories for NER-II Region.

Sl No	Item Description	Product	NER-II Qty (A)	UOM	Unit Rate In INR (B)	Total Amount In INR (X=A*B)	GST(%)	GST Amount In INR	Total amount with GST In INR	Remark
PART A										
1	IP-MPLS – Type A Router at Block locations with accessories (as per section (IV C),Annexure-B,II&III)	Block Router	26	Nos						
2	IP-MPLS – Type B Router at Block locations with accessories (as per section (IV C),Annexure-B,II&III)	Block Router	232	Nos						
3	EMS for Block routers including H/W & S/W and perpetual licenses including I & C and integration with NMS at S-NOC Server	EMS	129	Nos						
4	EMS additional perpetual license including H/W & S/W upgradation including I & C and integration with NMS at S-NOC Server	EMS	129	Nos						
5	IP-MPLS- Type C Router at GP locations with (as per Section (IV C), Annexure-B, II & III)	GP Routers	590	Nos						
6	IP-MPLS- Type D Router at GP locations with accessories (as per Section (IV C), Annexure-B, II & III)	GP Routers	5312	Nos						
7	EMS for GP Routers including HW/SW and perpetual licenses including I & C and integration with NMS at S-NOC Server	EMS	2951	Nos						
8	EMS for GP Locations additional perpetual license including HW and SW upgradation including I and C and integration with S NOC servers	EMS	2951	Nos						

X=A*B

TABLE 2: Installation, integration, testing and commissioning of IP-MPLS Router along with EMS at Block and GP Locations with accessories for NER-II Region.

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

Sl No	Item Description	Product	NER-II Qty (C)	UOM	Unit Rate In INR (D)	Total Amount In INR (Y=C*D)	GST (%)	GST Amount In INR	Total amount with GST In INR	Remark
PART B										
1	Installation, integration, testing and commissioning IP-MPLS – Type A Router at Block locations (as per section (IV C),Annexure-B,II&III)	Block Router	26	Nos						
2	Installation, integration, testing and commissioning IP-MPLS – Type B Router at Block locations (as per section (IV C),Annexure-B,II&III)	Block Router	232	Nos						
3	Installation, integration, testing and commissioning IP-MPLS – Type C Router at GP locations (as per section (IV C),Annexure-B,II&III)	GP Routers	590	Nos						
4	Installation, integration, testing and commissioning IP-MPLS – Type D Router at GP locations (as per section (IV C),Annexure-B,II&III)	GP Routers	5312	Nos						

Z=C*D

TABLE 3: AMC for 7 years for Block and GP Locations with accessories for NER-II Region for PART -A of Table 1

PART - C

	DESCRIPTION ANNUAL MAINTENANCE CONTRACT	Product	Qty (UOM)	Total Qty	Percentage on Basic Value
1	AMC Cost for 1st Year	AMC for Block, GP Routers, EMS & additional EMS for all locations	Year	1	
2	AMC Cost for 2nd Year	AMC for Block, GP Routers, EMS & additional EMS for all locations	Year	1	
3	AMC Cost for 3rd Year	AMC for Block, GP Routers, EMS & additional EMS for all locations	Year	1	
4	AMC Cost for 4th Year	AMC for Block, GP Routers, EMS & additional EMS for all locations	Year	1	
5	AMC Cost for 5th Year	AMC for Block, GP Routers, EMS & additional EMS for all locations	Year	1	
6	AMC Cost for 6th Year	AMC for Block, GP Routers, EMS & additional EMS for all locations	Year	1	
7	AMC Cost for 7th Year	AMC for Block, GP Routers, EMS & additional EMS for all locations	Year	1	

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

			Average AMC in % (Z)	
--	--	--	-------------------------	--

AMC Value= $X*(1+Z)$

Note:

1. AMC charges to be quoted on yearly basis.
2. L1 evaluation will be cumulative of [X+Y+Z] i.e Table1 (Supply of Materials including I&C of EMS)+ Table2 (Installation, integration, testing and commissioning)+ Table3 (AMC for 7 years).
3. Agreement/ LOI/PO for Installation, integration, testing and commissioning and AMC will be signed separately if required.

ANNEXURE-VI

DECLARATION OF BIDDERS

FROM

TO
.....

1. I/We.....
..... have read the conditions of the tender and tender documents attached hereto and agree to abide by such conditions. I/We offered to do..... at the rates quoted in the attached schedule to complete the works on or before the dates mentioned in the schedule for completion of works.
2. I/We further agree to sign an agreement, bind to abide by the general conditions of the contract, and to carry out all works according to the specifications laid down in the tender papers. I/We hereby pay the earnest money of by electronic fund transfer/e-wizard portal. I/We bind myself/ ourselves to deposit the security deposit [Performance security] as prescribed within 15 days after receiving the notice that the contract has been awarded to me/us failing which I/We have no objection to the forfeiture of the earnest money in full; otherwise they said earnest money shall be retained by the said company towards security deposit as specified in the conditions. I/We further bind myself /ourselves to execute the Tender document and to commence the work with 15 days after issue of the Purchase order in writing as aforesaid failing I/We agree to the company forfeiting the earnest money and security deposit deposited with them. The accepting authority shall also be at liberty to cancel the acceptance of the tender if I/We fails to deposit the security amount as specified or to execute an agreement or to start work as stipulated in the tender documents.
3. I/We hereby enclose a declaration of my/our experience of execution of works of similar nature and magnitude carried out by me/us in the prescribed proforma, and also the income tax and sales tax clearance certificates.
4. The offer shall remain open for acceptance by the Accepting Authority for a **period of 6 months** from the date of opening of the tender. **[180 days]**

Date:

Signature of bidder
with the seal of the firm

witness.....

(Name in block letters)

Power of attorney in case the tender is signed by the authorized nominee must be enclosed.

Address:

Occupation:

ANNEXURE- VII

**MUTUAL NON- DISCLOSURE AGREEMENT
(To be submitted on Rs. 300 Stamp paper)**

This Agreement is made as of the ----- 2025 between ITI Ltd. having its registered and Corporate office at Dooravani Nagar, Bangalore-560016

And -----hereinafter called ITI Ltd. which expression shall unless repugnant to the subject or the context mean and included its successors, nominees or assigns and (M/s. -----) a company having its registered office at ----- herein after called "The Bidder" which expression shall unless repugnant to the subject or the context mean and include its successors, nominees or assigns.

Whereas in order to pursue the mutual business purpose of this particular Consultancy as specified in Exhibit A (the "Business Purpose"), ITI Ltd. and M/s ----- recognize that there is a need to disclose to one another certain information, as defined in Para 1 below, of each party to be used only for the Business purpose and to protect such confidential information from unauthorized use and disclosure.

In consideration of the other party's disclosure of such information, each party agrees as follows:

This Agreement will apply to all confidential and proprietary information disclosed by one party to the other party, including information listed in Exhibit A attached hereto and other information which the disclosing party identifies in writing or otherwise as confidential before or within thirty days after disclosure to the receiving party (" Confidential information").

Information consists of certain specifications, designs, plans, drawings and /or technical information, and all copies and derivatives containing such information, that may be disclosed to one another for and during the purpose, which a party considers proprietary or confidential ("Information"). Information may be in any form or medium, tangible or intangible, and may be

Communicated/disclosed in writing, orally, or through visual observation or by any other means to one party (hereinafter referred to as the receiving party) by the other party (hereinafter referred to as one disclosing party). Information shall be subject to this Agreement, if it is in tangible form, only if clearly marked as proprietary or confidential as the case may be, when disclosed to the receiving party or, if not in tangible form, its proprietary

nature must first be announced, and it must be reduced to writing and furnished to the receiving party within thirty (30) days of the initial disclosure.

M/s ----- and ITI Ltd hereby agreed at during the Confidentiality Period:
ITI Ltd. RFP. No. _____

The receiving party shall use Information only for the Purpose, shall hold Information in confidence using the same degree of care as it normally exercises to protect its own proprietary information, but not less than reasonable care, taking into account the nature of the Information, and shall grant access to Information only to its employees who have a need to know, but only to the extent necessary to carry out the business purpose of this project as defined in exhibit A, shall cause its employees to comply with the provisions of this Agreement applicable to the receiving party, shall reproduce

Information only to the extent essential to fulfilling the purpose, and shall prevent disclosure of information to third parties.

Upon the disclosing party's request, the receiving party shall either return to the disclosing party all Information or shall certify to the disclosing party that all media containing Information have been destroyed. Provided, however. That an archival copy of the Information may be retained in the files of the receiving party's counsel, solely for the purpose of proving the contents of the Information.

The foregoing restrictions on each party's use or disclosure of Information shall not apply to Information that the receiving party can demonstrate was independently developed by or for the receiving party without reference to the Information, or was received without restrictions; or

has become generally available to the public without breach of confidentiality obligations of the receiving party; or

was in the receiving party's possession without restriction or was known by the receiving party without restriction at the time of disclosure; or

is the subject of a subpoena or other legal or administrative demand for disclosure; provided, however that the receiving party has given the disclosing party prompt notice of such demand for disclosure and the receiving party reasonably cooperates with the disclosing party's efforts to secure and appropriate protective order; or

is disclosed with the prior consent of the disclosing party; or

was in its possession or known to it by being in its use or being recorded in its files or computers or other recording media prior to receipt from the disclosing party and was not previously acquired by the receiving party from the disclosing party under an obligation of confidence; or

the receiving party obtains or has available from a source other than the disclosing party without breach by the receiving party or such source of any obligation of confidentiality or non-use towards the disclosing party.

Each party agrees not to remove any of the other party's Confidential Information from the premises of the disclosing party without the disclosing party's prior written approval. Each party agrees to exercise extreme care in ITI Ltd. RFP. No. _____ protecting the confidentiality of any confidential information, which is removed, only with the disclosing party's prior written approval, from the disclosing party's premises. Each party agrees to comply with any and all terms and conditions the disclosing party's may impose upon any such approved removal, such as conditions that the removed confidential information and all copies must be returned by a certain date, and that no copies are to be made off of the premises.

Upon the disclosing party's request, the receiving party will promptly return to the disclosing party all tangible items containing or consisting of the disclosing party's confidential information all copies thereof.

Each party recognizes and agrees that all of the disclosing party's confidential information is owned solely by the disclosing party (or its licensors) and that the unauthorized disclosure or use of such confidential information would cause irreparable harm and significant injury, the degree of which may be difficult to ascertain. Accordingly, each party agrees that the disclosing party will have the right to obtain an immediate injunction enjoining any breach of this agreement, as well as the right to pursue any and all other rights and remedies available at law or in equity for such a breach.

Access to information hereunder shall not preclude an individual who has seen such information for the purpose of this agreement from working on future projects for the receiving party which relate to similar subject matters provided that such individual does not make reference to the information and does not copy the substance of the information during the confidentiality period. Furthermore nothing contained herein shall be construed as imposing any restriction on the receiving party's disclosure or use of any general learning, skills or know how developed by the receiving party's personnel under this agreement, if such disclosure and use would be regarded by a person of ordinary skill in the relevant area as not constituting a disclosure or use of the information.

As between the parties, all information shall remain the property of the disclosing party. By disclosing information or executing this agreement, the disclosing party does not grant any license, explicitly or implicitly, under any trademark, patent, copyright, mask work protection rights, trade secret or any other intellectual property right. THE DISCLOSING PARTY DISCLAIMS ALL WARRANTIES REGARDING THE INFORMATION, INCLUDING ALL WARRANTIES WITH RESPECT TO INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS AND ALL WARRANTIES AS TO THE ACCURACY OR UTILITY OF SUCH INFORMATION.

Execution of this agreement and the disclosure of information pursuant to this agreement does not constitute or imply any commitment, promise, or inducement by either party to make any purchase, or sale or to enter into any additional agreement of any kind.

Either party's failure to enforce any provision, right or remedy under this agreement shall not constitute a waiver of such provision, right or remedy.

This Agreement will be construed in, interpreted and applied in accordance with the laws of India.

M/s ITI Ltd. has sole rights for the feasibility report submitted by M/s. -----
-----for its use with other successful bidder for next Phase (if any). If there is any conflict between earlier clauses and this clause, then this clause shall prevail.

That in case of any dispute or differences, breach & violation relating to the terms of the agreement. The said matter or dispute, difference shall be referred to sole arbitration of Chairman ITI Ltd or any other person appointed by him. That the award of the arbitrator shall be final and binding on both parties. In the vent of such arbitrator to whom the matter is originally referred to is being transferred or vacates his office on resignation or otherwise or refuses to do work or neglecting his work or being unable to act as Arbitrator for any reasons whatsoever, the Chairman ITI Ltd shall appoint another person to act as Arbitrator in place of outgoing Arbitrator and the person so appointed shall be entitled to proceed further with the reference from the stage at which it was left by his predecessor. The M/s ----- will have No Objection in any such appointment, that arbitrator so

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

appointed is employee of ITI Ltd.. . The said Arbitrator shall act under the Provisions of the Arbitrator and Conciliation Act, 1996 or any statutory modifications or reenactment there of any rules made thereof.

This Agreement and Exhibit A attached hereto constitutes the entire agreement of the parties with respect to the parties' respective obligations in connection with Information disclosed hereunder and supersedes all prior oral and written agreements and discussions with respect thereto. The parties can amend or modify this agreement only by a writing duly executed by their respective authorized representatives. Neither party shall assign this Agreement without first securing the other Party's written consent.

This Agreement will remain in effect for one year from the date of the last disclosure of Confidential Information., at which time it will terminate, unless extended by the disclosing party in writing.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement by Their duly authorized officers or representatives.

(M/s-----)
Signature_____
Printed Name: _____
Title: _____

(M/s ITI Ltd.)
Signature: _____
Printed Name: _____
Title: _____

ITI Ltd
RFP No. _____
Exhibit A

Business Purpose: Supply, Installation & Commissioning, Training, Integration Services and Maintenance of IP MPLS Solution.

Confidential Information of M/s. ITI Ltd. w.r.t RFP No. _____

All sites and their related information.

All information shared in oral or in written form by ITI Ltd. with M/s -----
-

Information downloaded or taken in physical form shall be returned/destroyed after use not copied.

ITI Ltd : _____
Signed

M/s -----
Signed

ANNEXURE- VIII

PERFORMANCE BANK GUARANTEE BOND

Guarantee No. :
Amount : Rs.
Guarantee Cover From ... to
Last date for lodgement of claim :

To

ITI Limited
Bangalore Plant
Dooravaninagar
Bangalore - 560 016

Sub: Your Purchase Order No. dt.

In Consideration of ITI Limited, Dooravaninagar, Bangalore-560016 (hereinafter called as the Company) We ----- Bank, ----- Bangalore (hereinafter referred to as the 'Bank') executed this Performance Guarantee Bond as surety to the cost of (Rupees Only) Supplied by (hereinafter called to as the 'Supplier') as per the Purchase Order No. of ITI Limited.

1. At the instance of -----, the Supplier We hereby undertake to pay to ITI Limited, Dooravaninagar, Bangalore-560016 an amount not exceeding Rs..... (Rupees Only) if the Machine supplied by the Company fails to perform to the satisfaction of the Company up toon or before the expiry of this guarantee, or within the agreed period whichever is earlier.

2. We, agrees to pay for the value of the rejected materials up to the limit of Rs..... (Rupees Only) without any demur, merely on a demand notice from the Company stating that the Company has suffered loss due to non-performance of supplied by the Supplier. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee.

3. We, undertake to pay the Company any money as demanded notwithstanding any dispute or disputes raised by the Supplier in any suit or proceedings pending before any court or any tribunal relating thereto out liability under this guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Supplier shall have no claim against us for making such payment.

4. We, ----- Bank further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner, our obligation hereunder to vary the any of the terms and conditions of the said agreement or to extend time of performance by the said Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

against the Supplier and to forbear or enforce of the terms and conditions relating to the said purchase order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Supplier or for any forbearance act or omission on the part of the Company or any indulgence by the Company to the Supplier or by any such manner or thing whatsoever, which under the law relating to sureties would , but for the provision, have effect of so relieving us.

5. This guarantee will not be discharged due to change in the constitution of the Bank or the Supplier.

6. We, ----- Bank, further agrees that the guarantee herein contained shall remain in force till.....

We, ----- Bank, undertake not to revoke this guarantee during its currency except with the previous consent of the Company by writing.

Dated the.....day.....

Corporate Seal of the Bank

Witnesses

Signature by its constituted Attorney or of a
person duly authorized to sign on behalf of the Bank

1.

2.

ANNEXURE- IX

ADDITIONAL INSTRUCTIONS FOR VENDORS

The bidders are required to submit soft copies of their bid electronically on the e-Wizard Portal using valid Digital Signature Certificates. Below mentioned instructions are meant to guide the bidders for registration on the e-Wizard Portal, prepare their bids in accordance with the requirements and submit their bids online on the e-Wizard Portal. For more information, bidders may visit the Portal (<https://itilimited.ewizard.in/>)

1. REGISTRATION PROCESS ON ONLINE PORTAL

- a. Bidders to enroll on the e-Procurement module of the portal <https://itilimited.ewizard.in/> by clicking on the link “Bidder Enrolment”.
- b. The bidders to choose a unique username and assign a password for their accounts. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. This would be used for any communication from the e-Wizard Portal.
- c. Bidders to register upon enrolment, with their valid Digital Signature Certificate (Class III Certificates with signing and Encryption key) issued by any Certifying Authority recognized by CCA India with their profile.
- d) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- e) Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.
- f) After registration send mail to Helpdesk: helpdeskeuniwizarde@gmail.com for Account activation.
- g) As per portal norms Registration Fee will be applicable.

2. TENDER DOCUMENTS SEARCH

- a) Various built-in options are available in the e-Wizard Portal like Department name, Tender category, Estimated value, Date, other keywords, etc. to search for a tender published on the Online Portal.
- b) Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective ‘Interested tenders’ folder.
- c) The bidder should make a note of the unique Tender No assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

3. BID PREPARATION

- a) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- b) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- c) Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that needs to be submitted. Any deviations from these may lead to rejection of the bid.
- d) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the

tender document/schedule and generally, they can be in PDF/XLSX/PNG, etc. formats.

4. BID SUBMISSION

- a) Bidder to log into the site well in advance for bid submission so that he/she uploads the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- b) The bidder to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- c) Bidders to note that they should necessarily submit their financial bids in the prescribed format given by department and no other format is acceptable.
- d) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, the opening of bids, etc. The bidders should follow this time during bid submission.
- e) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data, which cannot be viewed by unauthorized persons until the time of bid opening.
- f) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- g) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- h) The off-line tender shall not be accepted and no request in this regard will be entertained whatsoever.
- i) As per portal norms Tender Processing Fee will be applicable.

5. AMENDMENT OF BID DOCUMENT

At any time prior to the deadline for submission of proposals, the department reserve the right to add/modify/delete any portion of this document by the issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who has been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

6. ASSISTANCE TO BIDDERS

- a) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- b) Any queries relating to the process of online bid submission or queries relating to e-Wizard Portal, in general, may be directed to the 24x7 e-Wizard Helpdesk. The contact number for the helpdesk is 8448288994/86/87/89/88/81/90/92/82 011-49606060, 07903269552, 9355030608, 9055030613, 7903810198, 9355030606, 9315620706, 9355030623, 9355030628, 8800526452, 9205898228, 9122643040, 9355030604, eprochelpdesk.01@gmail.com, eprochelpdesk.44@gmail.com, eprochelpdesk.06@gmail.com
- c) The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of the bid(s).
- d) The bid should be submitted through e-Wizard portal (<https://itilimited.ewizard.in/>) only.
- e) All payments should be done through e-Wizard Payment gateway

ANNEXURE- X

Accessories to be supplied along with each Block and GP Routers

Accessories for Type A & B Block Router	02 Nos; 1G Base T SFP Commercial Grade
	02 Nos; 2 meter Shielded RJ 45 CAT-6 Cable
	1 No; 0.5 meter 18 AWG Grounding Green Cable
	10 Nos; Nylon Cable Ties, 140mm long
	Grounding Screw & Nut Set
	Router Mounting Screw & Nut (4 qty each of M6X16 Mounting Screws, Cage Nuts & Washer
	02 Nos; DC Power Cord of 3 meter as per the requirement of the Power up the Router at Block Location
Accessories for Type C & D GP Router	01 Nos; 1G Base T SFP Commercial Grade
	01 Nos; 2 meter Shielded RJ 45 CAT-6 Cable
	1 No; 0.5 meter 18 AWG Grounding Green Cable
	10 Nos; Nylon Cable Ties, 140mm long
	Grounding Screw & Nut Set
	Router Mounting Screw & Nut (4 qty each of M6X16 Mounting Screws, Cage Nuts & Washer
	02 Nos; C15 3 Pin 2 meter AC Power Cord

ANNEXURE- XI

QR Format, State code, Material Code, Material Code-SNOC, Logo BN & BSNL

Subject: Mandatory Usage of BharatNet Logo with "Managed by BSNL" Tagline and BSNL Logo, and Standardized QR Code Format for ABP Equipment

As a part of BSNL initiative to ensure consistent branding and streamlined asset identification under the Amended Bharat Programme (ABP), the following instructions are being issued regarding equipment labeling and identification:

1. BharatNet Logo with "Managed by BSNL" Tagline and BSNL Logo.
2. Standardized QR Code Format:

A functional QR code must be affixed to all ABP equipment in the following format:
BN-BSNL-<package no.>-<State Code>-<PIA Code>-<Material Code>-<Reserve>-<Material serial no.>

Example: "BN-BSNL-12-PB-HFCL-S001-XXXX-12345678901234567890ABCD"

Ensure all QR codes are tested for accuracy and scan ability, and use high error correction levels for better durability.

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

QR Format

QR Code for BSNL-BN					
Sl. No.	Type	Character	Size	Example	Remarks
1	Project Name	BharatNet	2	BN	
2	Character	-	1	-	
3	Managing Agency	BSNL	4	BSNL	
4	Character	-	1	-	
5	Package No.	As per Tender	2	12	
6	Character	-	1	-	
7	State Code	State Name	2	PB	As per Table attach
8	Character	-	1	-	
9	PIA Code	PIA Name	4	HFCL	PIA to supply
10	Character	-	1	-	
11	Material	Code	4	As per Table attach	As per Table attach
12	Character	-	1	-	
13	For Future Use	Reserved	4	xxxx	
14	Character	-	1	-	
15	Serial No. of product	As per OEM	24	000abc123456789123456789	1. If OEM serial No. is less than 24 then number "0" will be pre-fixed. 2. If OEM serial number is more than 24 then last 24 digits will be used.
Total Digits			53		

1. QR Code alongwith its text details should be pasted on each titem supplied to BSNL in ABP Project.
2. The Text detail of QR code should necessarily be painted below QR code (May be in one or Two lines as the space permits)
3. The Data Base with reference to each PR Code should be maintained in SNOC as well as CNOC

Every item should be have three things 1. BharatNet LOGO 2. Managed by BSNL with BSNL LOGO 3. QR Code



BN-BN-12-PB-0001-0000-1234567891234567890000

State Code

Sl. No.	State	TIN	State Code
1	Andhra Pradesh	37	AD
2	Arunachal Pradesh	12	AR
3	Assam	18	AS
4	Bihar	10	BR
5	Chattisgarh	22	CG
6	Delhi	7	DL
7	Goa	30	GA
8	Gujarat	24	GJ
9	Haryana	6	HR
10	Himachal Pradesh	2	HP
11	Jammu and Kashmir	1	JK
12	Jharkhand	20	JH
13	Karnataka	29	KA
14	Kerala	32	KL
15	Lakshadweep Islands	31	LD
16	Madhya Pradesh	23	MP
17	Maharashtra	27	MH
18	Manipur	14	MN
19	Meghalaya	17	ML
20	Mizoram	15	MZ
21	Nagaland	13	NL
22	Odisha	21	OD
23	Pondicherry	34	PY
24	Punjab	3	PB
25	Rajasthan	8	RJ
26	Sikkim	11	SK
27	Tamil Nadu	33	TN
28	Telangana	36	TS
29	Tripura	16	TR
30	Uttar Pradesh (East)	9	UE
31	Uttar Pradesh (West)	9	UW
32	Uttarakhand	5	UK
33	West Bengal	19	WB
	Union Territory	TIN	State Code
1	Andaman and Nicobar Islands	35	AN
2	Chandigarh	4	CH
3	Dadra & Nagar Haveli and Daman & Diu	26	DN
4	Ladakh	38	LA
5	Other Territory	97	OT

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

Material Code

Sl. No.	Passive Items	Material Code-2	Remarks	
1	HDPE PLB Duct 40/33	S001	At every 200 Mtr	1
2	Push Fit Coupler	NR		0
3	End Plug	NR		0
4	Warning Tape	S002	At every 200 Mtr	1
5	MH/HH	S003	On Each Unit	1
6	Route Indicator	S004	On Each Unit	1
7	GI Pipes	S005	On Each Unit	1
8	DWC Pipe	NR		0
9	DWC Coupler	NR		0
10	RCC pipe	NR		0
11	OFC Armoured 48F Ribbon	S006	At every 200 Mtr	1
12	Simplex Plug for 48F	NR		0
13	OFC Armoured 24F LT	S007	At every 200 Mtr	1
14	Simplex Plug for 24F	NR		0
15	Joint Closures	S008	On Each Unit	1
16	FDMS Type -I	S009	On Each Unit	1
17	FDMS Type III-A	S010	On Each Unit	1
18	FDMS Type III-B	S011	On Each Unit	1

Sl. No.	Passive Items-Aerial	Material Code-2	Remarks	
1	RCC Pole/GI pole	S012	On Each Unit	1
2	ADSS OFC 24 F (With/without ice Loading)	S013	At every 200 Mtr	1
3	Suspension Assembly set	NR		0
4	Termination assembly set	NR		0
6	Cable Storage basket	NR		0
7	Strength Wire	NR		0

Sl.	GP/Block location	Material Code-2	Remarks	
1	Smart Rack	S014	On Each Unit	1
2	Rack Controller	S015	On Each Unit	1
3	HUPS	S016	On Each Unit	1
4	Lithium Ion Battery	S017	On Each Unit	1
5	Solar panel	S018	On Each Unit	1
6	Block Routers Type A	S019	On Each Unit	1
7	Block Routers Type B	S020	On Each Unit	1
8	GP Routers Type C	S021	On Each Unit	1
9	GP Routers Type D	S022	On Each Unit	1
10	RFMS at Block	S023	On Each Unit	1
11	SFP 100G/10G/1G	NR		0
	MMPT-1KW Module			

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

Material Code SNOG

S-NOC			
Sl. No.	IT Items	Material Code	Remarks
10.13	NOC Router	S024	On Each Unit
10.14	Core Switch	S025	On Each Unit
10.15	Access Switch	S026	On Each Unit
10.16	Aggregation Switch	S027	On Each Unit
10.17	SAN storage for application & DB	NR	
10.18	SAN Switch	S028	On Each Unit
10.19	Secondary Storage (As per requirement, to be assessed by PIA)	NR	
10.20	Blade Chassis/Rack servers (including AAA)	S029	On Each Unit
10.21	Workstation computers	S030	On Each Unit
10.22	IP phones	S031	On Each Unit
10.23	IP PBX	S032	On Each Unit
10.24	Video wall display	S033	On Each Unit
10.25	Backup and archival solution	NR	
10.26	NMS/OSS Solution	NR	
10.27	Helpdesk solution	NR	
10.28	End point protection software	NR	
10.29	Centralized Access Control system software for AAA server	NR	
10.30	Firewall (1+1)	NR	
10.31	NIPS (1+1)	NR	
10.32	Remote Fiber Monitoring Software (RFMS) system	NR	
10.33	Network color laser printer	S034	On Each Unit
	Non-IT		
10	State NOC as per details and specification given at Section (IV C),	NR	
10.1	Civil works including site preparation and partitioning works , false	NR	
10.2	Electrical works including light fixtures, cabling, panels + earthing etc.	NR	
10.3	Silent DG set with AMF panel and required foundation and civil	S035	On Each Unit
10.4	Air conditioning for NOC, UPS, BMS, Meeting, electrical rooms, etc.	S036	On Each Unit
10.5	40 kVA online UPS (with SNMP) with 60 minutes battery backup and	S036	On Each Unit
10.6	Access Control System (RFID + Biometric, smart cards) to manage NOC	NR	
10.7	Racks (Integrated Air conditioning and climate monitoring system	NR	
10.8	IP camera	S037	
10.9	70" LED TV	S038	
10.10	Structured cabling (OFC and Cat6)	NR	
10.11	Workstation furniture	S039	
10.12	Fire Detection System	NR	

Supply of IP-MPLS Router along with EMS at Block and GP Locations with accessories including installation, integration, testing and commissioning and AMC for 7 years for NER-II.

LOGO BN & BSNL



Managed By BSNL

