



आईटीआई लिमिटेड
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सामग्री प्रबंधन विभाग
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ISO 9001 : 2015 प्रमाणित युनिट

ITI LIMITED

**Network Systems Unit
Materials Management Dept.**

F-100, West Wing,
Doorvaninagar, Bengaluru - 560 016, India
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ISO 9001: 2015 Certified Unit



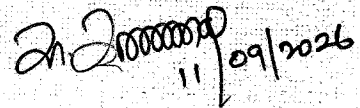
ITI Web-Site/ Govt. Portal

ENQUIRY

NSU6J82N

DATE 11 09 2026

Dear Sir / Madam, Please quote your best price and delivery for supply of the following item/s,

SL. NO.	Item Description as per Technical Specifications	QUANTITY
1	TENDER FOR SELECTION OF "SYSTEM INTEGRATOR (SI)" FOR THE ROLLOUT OF 4G NETWORK in West Zone of BSNL ADD ON Order	As per tender document Ref No: ITI/NSU/4G-Add on/2026/I&C
Special Note: Please refer to following Tender Document enclosed before submitting Tender. Please refer following enclosures before submitting tender: Annexure A : General Terms & Conditions for submission of Tender Annexure B : Tender Document Annexure C : Price Bid Format		
Tender Due Date	03.10.2026, 14:00 Hrs.	Tender Opening Date 03.10.2026, 15:00 Hrs
Delivery Schedule	As per Tender Document Ref No: ITI/NSU/4G-Add on/2026/I&C	
Terms of Payment (TOP)	Payment will be made as per of Tender Document Ref No: ITI/NSU/4G-Add on/2026/I&C	
Compliance	Point-wise compliance to each item/ Clause mentioned in Tender Document.	
Validity of the offer	180 days	
Security Deposit	5% of the value of running bills shall be deducted as Security Deposit (SD)	
PBG	5% of the total work awarded valid 24 months extendable till the completion of Network Acceptance Testing and starting of warranty Phase. The PBG should be submitted latest within 15 days from the date of ITI's requisition(LOI)/ Purchase Order	
Earnest Money Deposit & Tender Fee	as per tender document No. Ref No: ITI/NSU/4G-Add on/2026/I&C Dtd. 11.09.2026/ Valid MSE certificate along with Bid Securing declaration. The EMD is normally to remain valid for a period of 45 days beyond the final bid validity period. and Tender fee 5900/-(Including GST)	
Other terms & Conditions	As per tender document Ref No: ITI/NSU/4G-Add on/2026/I&C dtd 11.09.2026	
All other terms and conditions as per Tender Document vide Tender refer No: Ref No: ITI/NSU/4G-Add on/2026/I&C dtd 11.09.2026 Note: Offers should be submitted online as per tender documents. For submission of online Bid & Procedure to be followed visit (https://itilimited.ewizard.in) All Vendors have to register in website & pay the tender processing fee if required:(https://itilimited.ewizard.in) for submitting online BID.		For ITI Ltd., N S Unit,  11/09/2026 Additional General Manager (MM)-NS

पंजीकृत एवं निगमित कार्यालय : आईटीआई भवन, दूरवाणीनगर, बेंगलूरु - 560016, भारत फोन : +91 (080) 2561 4466, फैक्स : +91 (080) 2561 7525

Registered & Corporate Office : ITI Bhavan, Doorvaninagar, Bengaluru - 560016, India Phone: +91(080) 2561 4466, Fax: +91(080) 2561 7525
TIN : 29980058837 GSTIN : 29AAAC14625C2ZU CIN : L32202KA1950GOI000640 Visit our Website : www.itiltld.in



GENERAL TERMS AND CONDITIONS FOR SUBMISSION OF TENDER (INLAND)

ENCLOSURE TO ENQUIRY No. NSU6I82N: Dated 11.09.2026

1. PRICES:

- (a) ITI Ltd., is planning to have long term tie up with limited vendors, who can supply the item with good quality, prompt delivery and at lowest price. Hence, you may quote in such a way that a long-term relationship is possible.
- (b) Prices must be per unit as called for in the enquiry and should be on FOR ITI/FOR destination basis as the case may be and inclusive of Insurance charges.
- (c) ITI Ltd., under normal circumstances, may not negotiate for the price. Hence you are requested to quote your best price in the original quotation itself.
- (d) Any counter terms and conditions are not binding on us unless ITI Ltd., agree to the same in writing.
- (e) In case of an order issued on you, the ordered rate should be firm till the completion of the order. In case where the market prices are going down beyond 5% of the ordered rate or decrease in the statutory levies, the same should be passed on to ITI Ltd.
- (f) Vendors should deliver the materials to ITI Ltd., Stores/the destination as mentioned in the P.O. ITI Ltd., will not take the responsibility of clearing the goods from the carriers godown/office/Railway Station/Airport, etc.
- (h) If the supplier supplies the same item at a lower rate to any of their customers during the pendency of execution of ITI Ltd., Purchase Order/ Order Amendment, the supplier should voluntarily come forward and reduce the price.
- (i) The validity of your offer should be for a minimum period of **180** days from the date of opening the tender.
- (j) Any Plant/division of ITI reserves the right for placement of Repeat Order if required within one year of original PO date.

2. TERMS OF PAYMENT:

- (a) Payment will be made for the accepted quantity/services as per Main sheet of NSU6I82N.
- (b) No payment will be made for the rejected quantity/services.

3. INSPECTION: (As per Enquiry: NSU6I82N)

- (a) ITI reserves the right to split the purchase order among the vendors who are capable of meeting the Quality, Delivery and Cost requirements. Preference will be given to the vendors with well-maintained and proven Quality Assurance.
- (b) We are planning to reduce inspection time with self-certification scheme for the vendors who keep up good quality leading to "ship to stock system".
- (c) Inspection of the material at our works/site will be final. ITI reserves the right to inspect the material at any other standard testing center authorized by us.
- (d) We or our representative including our customer may if required preliminarily inspect the product at vendor's premises. Such verification shall not absolve the vendor of the responsibility to provide the acceptable product nor shall preclude subsequent rejection during the final inspection at our works/site. It is the responsibility of every vendor to ensure that only the inspected materials confirming to our specifications / drawings / requirements are supplied.
- (e) The supplies shall be from the latest batch of production. Batch Number should be indicated on the item/ packet / test certificate and accompanying delivery challan / test certificate.
- (f) Test Certificate/check list should accompany each supply. Consignments without test certificate, if asked for, are liable for rejection. Rejected material should be collected immediately (within 30 days) after our intimation by giving two days' prior notice for completing the necessary excise formalities. You should make arrangements to collect the material either personally OR through your authorized representatives. ITI does not take any responsibility to send the material back to you. After 90 days from the date of rejection intimation to you the material will be scrapped at your risk if not collected.

4. SAMPLES:

Those tenderers, who have not supplied the material against any of earlier orders, should submit FREE SAMPLES clearly indicating enquiry reference. Free samples along with your offer is preferable. In case of a Purchase Order on you, bulk supply should commence only after approval of samples and other approval formalities including infrastructure clearance.

5. WARRANTY:

ITI Ltd., is an ISO accredited company. All our equipment systems have a warranty as per Enquiry No NSU6I82N from the date of dispatch to our customer. Hence, the warranty of your products should be as per Enquiry No NSU6I82N from the date of supply if not specified explicitly. Within this warranty period, if any of your components/subsystem is found defective during our manufacturing process/system testing/installation & commissioning/operation of our equipment in the field, the same is to be replaced free of cost immediately by you. Warranty specified in the P.O. to be reckoned as final.

6. GENERAL:

- (a) We reserve the right to accept or reject any or all offers and to order full or part quantities or cancellation thereof without assigning any reason whatsoever.
- (b) Successful tenderer only will be intimated by post through letter of intent / firm orders.
- (c) Canvassing by tenderers in any form including un-solicited letters against tenders submitted or post-tender corrections shall render their tenders liable for summary rejection.
- (d) Any Plant/division of ITI reserves the right for placement of Repeat Order if required within one year of original date.

7. DELIVERY SCHEDULE:(As per Enquiry: NSU6I82N)

- (a) Please indicate minimum lead-time required, manufacturing capacity and the quantity that can be reserved for us.
- (b) **Liquidated Damages Clause:** Time is the essence of contract and the materials, against an order arising out of this enquiry must be delivered by the supplier according to the delivery schedule indicated in the P.O. In case of any change, the supplier should inform us in advance and obtain our approval to the revised delivery schedule. Should 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% per week (fractions of a week will be considered as one week) for such delay or part thereof of the item delayed (subject to a maximum of 10% of purchase order value) and purchase the material elsewhere at the risk and cost of the defaulted suppliers. Delivery schedule specified in the P.O. will be final.

8. LOCAL REPRESENTATION:

D. LOCAL REPRESENTATION:
Please indicate your local representative's address, telephone, Fax No., of the person to be contacted, in the offer.

9. TECHNICAL CATALOGUE:

The Technical Catalogue in English should be submitted. In the event of any change in the technical catalogue, updated version may be sent to us immediately. It is essential that you simultaneously take up the same with approval authority and their approval copy sent to us.

10. GOVERNING LAW:

10. GOVERNING LAW.
All suits shall be instituted in a court of competent jurisdiction at Bangalore and in case of arbitration, the Indian Arbitration Conciliation Act, 1996 is applicable.

Additional General Manager-MM(NS)



**TENDER FOR SELECTION OF "SYSTEM INTEGRATOR (SI)" FOR THE ROLLOUT OF
4G NETWORK in West Zone of BSNL ADD ON Order**

Ref No: ITI/NSU/4G-Add on/2026/I&C

**Network System Unit
ITI Limited
Dooravani Nagar
BENGALURU-560016
Ph: 080 -25660508**

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Read, understood and complied with

Signature of the Bidder

SECTION I: INTRODUCTION TO THE PROPOSAL

Brief about Intender and Tender Intent

ITI Limited, a Public Sector Undertaking under the Department of Telecommunications, Ministry of Communications, is a leading Telecom equipment manufacturer and solution provider in India. The major customers are BSNL, BBNL, MTNL, Defence, Paramilitary forces, Railways, Banks, Central & State Govt departments, Institutions and research organizations like ISRO.

ITI Limited has been undertaking various projects in all fields of telecommunications and information technology and also continuously deploying new technologies in the field of Telecom, ICT, Networking, e-Governance etc. ITI Ltd has diversified its operation and has been executing projects in the field of Smart Infrastructure (Smart Cities, Safe Cities, Smart Energy Meters, Smart Classrooms, Smart Poles etc.), Bharatnet, etc. ITI Ltd has been executing projects in latest technologies like GPON, OLT, ONT, OFC, HDPE etc.

ITI limited, the first CPSU of the Independent India is a manufacturer of Telecom equipment and is providing various Telecom and IT goods and services to its users. ITI has diversified into new areas of providing end to end, infra services and turnkey solutions in the domain of IT, Telecom, IoT and Smart city for various Government / Private users. There are many ongoing OFC infra projects, Inter City /Intra City at hand and under progress. ITI already has done many such project as MSI for Government Departments and their subsidiaries. ITI has an experience and track record to execute such projects with highest degree of efficiency and skill and earned good name to execute projects in given time lines.

ITI participated in the BSNL Tender for Roll Out of 4G network and has been awarded PO for Planning, RF survey, Supply, Installation, Testing, Commissioning & Annual maintenance of 4G Network (Radio) in 23,633 sites in the west zone of BSNL. In order to Rollout the 4G Radios, ITI intends to invite proposals from interested parties to work as System Integrator for Installation & Commissioning of the 4G Radios and the related network elements as per the Scope of Work details provided in this document.

PURPOSE OF THE TENDER:

To invite Tender Bids for 4G Roll out in the west zone of BSNL, based on the relevant financial Capacity, Experienced work force and domain knowledge/expertise with their experience in most professional and efficient manner to meet the aspirations of BSNL in the west zone. The bidders will provide the rates. Based on the rates quoted, bidders will be allowed to participate in reverse Auction with lowest rate as the reference value. After minimum number of iterations, the bidder who quotes lowest rates would be declared as the L1 Bidder.

IMPORTANT INFORMATION:

Sl. No.	Information	Details
1	Tender Number	Ref No: ITI/NSU/4G-Add on/2026/I&C
2	Tender Name	TENDER FOR SELECTION OF "SYSTEM INTEGRATOR" FOR THE ROLLOUT OF 4G BSNL Network in West Zone.
3	Work description/Nature of the work	I&C of 4G Network
4	Date of Issue/Publishing of the Tender	11.09.2026
5	Last Date of Clarifications on Tender	18.09.2026. 16.00 Hrs
6	Last Date and Time for Submission of Bids	03.10.2026, 14.00 Hrs
7	Date and Time of Opening of technical Bids	03.10.2026, 15.00 Hrs
8	Date and Time of Opening of Fin Bids	Will be informed Later
9	Tender Fee	Rs 5,900/-
10	EMD	Zone-1: Rs. 12,67,833/- Zone-2: Rs. 21,04,448/-
11	Bid Validity	180 days
12	Pre-bid meeting	18.09.2026, 14.00 Hrs. VC Link will be shared later.
13	Validity of the contract	18 Months (extendable)
14	Attachments/Annexures	Formats and Specifications
15.	Tender issuing Authority	AGM(MM), NS Unit, ITI Limited, Dooravani Nagar, Bengaluru - 560016
16	For Technical Queries	Mr Prasoon Saxena AGM Mob 9925133775 Email : Prasoon_crp@itilttd.co.in Mr Rajesh M P Mob 98441 31181 Email : mprajesh_nsu@itilttd.co.in

Read, understood and complied with

Signature of the Bidder

SCOPE OF WORK:

The Scope of Works (SoW) presented here shall be the works agreed to be carried out by the bidder of ITI, herein after referred to as '**System Integrator (SI)**'. Share of Responsibilities indicated herein shall denote the respective responsibility areas amongst ITI **SI** and ITI/TCS towards execution of the SoW.

The SoW is captured as under with the illustration of possible activities (indicative list only) against each major work area listed separately under the section for Annexures.

1. ANNEXURE A- THE SCOPE OF WORK AND SHARE OF RESPONSIBILITIES

The Scope of Works presented here shall be the works agreed to be carried out by the I&C SI of ITI and TCS, hereinafter referred to as 'SI'. Share of Responsibilities indicated herein shall denote the respective responsibility areas amongst SI and ITI-TCS towards execution of the SoW.

The SoW is captured as under with the illustration of possible activities (indicative list only) against each major work area listed separately under the section for Annexures.

The IX.2 and DBN sites tentative allotment is mentioned Below.

PH IX.2 sites - Zone 1

Circle	CHG	GJ	MP	total
Complete configuration of CAT-B RAN sites	37	287	109	433
Part configuration of CAT-B RAN site	77	63	141	281

DBN Sites - Zone 1

Circle	CHG	GJ	MP	total
Complete configuration of CAT-B RAN sites	623	201	590	1414
Conversion of existing CAT-A to CAT-B RAN	77	63	141	281

Note: While doing the Conversion of Existing CAT A to CAT B sites, One No of RRH in 700Mhz band shall become spare on these sites. The said spare has to be installed at new sites for which part configuration is been ordered. In this regard vendor to de-install the 4x4 RRH in 700Mhz from existing CAT A sites, transport and install it to the designated to the new CAT B site in IX.2 / DBN without additional cost to ITI.

Read, understood and complied with

Signature of the Bidder

PH IX.2 sites - Zone 2

Circle	MH	Mumbai	total
Complete configuration of CAT-B RAN sites	467	4000	4467
Part configuration of CAT-B RAN site	133	0	133

DBN Sites - Zone 2

Circle	MH	Mumbai	total
Complete configuration of CAT-B RAN sites	885	0	885
Conversion of existing CAT-A to CAT-B RAN	133	0	133

Note: While doing the Conversion of Existing CAT A to CAT B sites, One No of RRH in 700Mhz band shall become spare on these sites. The said spare has to be installed at new sites for which part configuration is been ordered. In this regard vendor to de-install the 4x4 RRH in 700Mhz from existing CAT A sites, transport and install it to the designated to the new CAT B site in IX.2 / DBN without additional cost to ITI.

The SI shall undertake following services/deliverable as part of the scope of work

- 1.1 Radio and Transmission/ transport plan validation for the given target sites via Radio site nominal validation, site RFI survey, RF survey (New sites only) and as per BSNL released/ finalized quantities for delivery and limited by the actual works awarded to the SI). RF and transmission would need to be carried out for all new applicable sites. SI shall seek and collect items/information from BSNL towards the required site viz. databases, map data (where applicable and available), site access to perform the tasks mentioned above and ITI-TCS shall authorize its SI to engage with BSNL for the activities directly where needed.
- 1.2 SI shall be end to end responsible for filing applications to SACFA/WPC and in NEP Portal for EMF clearance with signage board installation in compliance with DoT guidelines within the applicable timeline. All regulatory filing fees shall be provided by TCS.
- 1.3 Spectrum scanning drive tests in specific cases (where interference is suspected) to ascertain spectrum cleanliness, is responsibility of SI, The SI shall carry out all required testing using the necessary tools and submit all relevant reports accordingly.
- 1.4 Transmission inter-connectivity of RAN site with EMS-NMS and TCS Core is to be done by ways of end site physical connectivity using the VLAN/IP details provided by TCS. All related testing pertaining to transmission using the Ethernet tester, light source, power meter, microwave related tools are part of SI scope. Such transmission testing shall be carried out to ensure site is equipped with required/available bandwidth. As-built drawing along with the details of the transmission media (end to end from Site to Core) are to be captured as part of the report. The report shall also

Read, understood and complied with

Signature of the Bidder

include the screen shots of the testing done. Calibration certificate and source of the test and measuring instruments to be submitted on a periodic basis.

- 1.5 Site selection for the new sites (up-to the limited quantities as in BSNL EoI/Tender and as may be awarded) inside the agreed search ring/ radius with three good acquirable site candidates presented in priority, preparing coverage, throughput, and quality plans/predictions over a planning tool preferably/like Atoll.
- 1.6 The SI shall be responsible to carry out RFI survey as per agreed RFI survey form (sample attached) or in TCS Survey Portal and generate & clear the punch points in a list of works towards the site I&C & The SI shall ensure that all punch points are cleared as per the defined guidelines, and all RFI survey reports are submitted within the prescribed format.
- 1.7 The SI must ensure site material is properly kitted at the warehouse as per site configuration plan with all required material as per Material Request Note (MRN). The kit shall include all required materials (e.g., eNB, GPS, Arrestor, cards, antennas, etc.) as specified in the Material Request Note (MRN). If any theft case happened during transition the SI will be responsible. The SI shall coordinate with other parties like the logistics vendors to create a seamless and hassle free I&C experience to get the jobs executed within defined Turn Around Time (TAT)
- 1.8 Carry out site installation and commissioning for RF, GPS/IRNSS and to eNodeB, any installation and cabling inside the eNodeB cabinets, connectivity to any BSNL Backhaul transmission mode, connectivity to the electrical power systems, connecting to Synchronization systems and ensuring sync, connecting external alarms for backhauling and preparing cell design data with required parameters and perform site configuration for optimized inter-RAT performance with existing and new technology layers, (in line with BSNL-SOR and as required. Alarms integration from terminal block, to eNodeB will be done by vendor. De-install existing 3G, 2G antennae and attach 3G RF jumpers to the new multiport antenna.
- 1.9 The SI shall perform Site SCFT (Single Cell Functionality Test) and Cluster RF Optimization as per the defined process using the required drive test (DT) tools, including handsets, DT test licenses, and qualified DT engineers. The SI shall prepare all necessary reports and documentation for Acceptance Test (AT) report submission in accordance with the BSNL-approved AT process. All SCFT, RF optimization, and AT-related reports shall be submitted within the prescribed timeline from the date of site integration.
- 1.10 The SI shall also be responsible for carrying out site AT (Infrastructure and RF) specific to SI I&C as applicable (Antenna, e-NodeB, BBU, RF) as per BSNL mandated AT schedule and AT Plan and prepare all the necessary documentation towards AT signoff. SI shall monitor remotely and manage the integrated and commissioned Sites' and Clusters' performance for the required KPIs after Sites' I&C until takeover by BSNL. SI is responsible for obtaining Taking Over Certificate (TOC) certificate from BSNL for sites handed over to BSNL. ITI/TCS will authorize its SI to engage with BSNL for the activities directly where needed.
- 1.11 Total 5% of the I&C sites shall be offered for AT by BSNL and SI shall perform the same in guidance of ITI/TCS. Any failures in the 5% test site/cluster will result in re-do of the AT for 100% of the sites in the cluster from which 5% sample sites were drawn and SI shall bear all associated expenses towards the same until the cluster is accepted by BSNL. However, if there is any request from BSNL regarding the sampling test criteria, the same should be incorporated.

- 1.12 Prepare site as-built drawings capturing existing equipment information (to the extent possible) and new TCS eNodeB installations in AutoCAD software and submit a soft and hardcopy as part of site documentation.
- 1.13 The SI shall manage field surveys and program delivery with a TCS provided program management software tool and capture program milestones and activities in detail at all stages and generate regular reports and dashboards for effective program management and delivery. Access rights of this software shall be provided by TCS for the purpose.
- 1.14 SI should routinely provide drive test and project data to ITI and TCS in softcopy. SI should handover data logs (including for Drive Test logs and site planning data-physical / Configuration/ Planning data and as-built AutoCAD drawings, any test records, and procedures TCS shall provide storage for Atoll Tool project files, DT logs, cluster optimizations, EMF, I&C ATP and checklists for upkeep of such data.
- 1.15 SI shall ensure handover of any leftover material to Logistics SI for reverse Logistics, if in case theft or missing, the SI will borne with full responsible
- 1.16 Any theft or damage at sites need to be immediately reported to ITI/TCS designated SPOC and ITI/TCS' will initiate subsequent FIR process. Any mishandling of the material by SI's teams shall not be covered under insurance and will solely be the SI's responsibility to compensate for the damages caused to ITI/TCS.
- 1.17 SI must arrange for the necessary industry standard tools and test equipment (with valid calibration certificates) required for activities under its scope. The tools and test equipment must be capable for 2G,3G,4G and upgradable 5G NSA planning and testing, DT tool, testing handset tool, VSWR measurement tool and should have valid calibration certificate from any Government accredited/ BSNL approved facility. The calibration certificate must be submitted as part of site HOTO process (Handover-Takeover). SI to arrange all Tool and test equipment shall be required towards Site (RF) surveys, RFI survey (including Earth resistance testing and values will be measured for the existing Earth pits only for visible and accessible earth pits), Site I&C and AT (RF transmit power at antenna port, EMF-Narrow band and Broad band as may be applicable for a limited number of sites , Drive testing and benchmarking, Transmission bandwidth and stability testing, any protocol testing where needed for any interface connectivity, electrical systems connectivity, Tower works related safety gear etc.)
- 1.18 SI will provide a tentative deployment plan aligned / subset to the master Project plan shared by BSNL/TCS and a resource ramp up plan before as a pre-requisite to the contract finalization, aligned with the active material supply schedule and staff adequately for the activities to be performed before the supply of material begin. All key appointed resources must only be dedicated for ITI-TCS project and not shared with any other customer of the SI (during the duration of the project/ contract). All hired resources must carry a company issued ID and adhere to covid safety protocols, site & personnel safety applicable standards always. They must be aware of own and ITI/TCS IT security policies and the same must be adhered to by all the deputed staff.
 - SI may be allocated works in tranches and not through a single purchase order. Work may get allocated across different geographies pan India. The PO shall include all the terms and conditions which should be complied and adhered under the contract.
- 1.19 Certain activities are on a rate card basis (see attached list).
- 1.20 Calculation method to be used for EMF Certification. In case of narrowband testing and Broadband testing requirement for commissioned sites would be covered as per

Read, understood and complied with

Signature of the Bidder

defined DoT guidelines & timeline, The SI shall be solely responsible for any penalties, fines, or consequences arising from non-compliance.

- 1.21 Physical patching (up to 30 meter) from eNodeB Uplink Port to Tx Node at cell site is included in standard scope. In case of length exceeding 20 meters the fiber laying and termination on ODF is to be done basis an agreed rate in the rate card.

2. ANNEXURE-B PRE-REQUISITES AND SUPPORT BY ITI AND TCS

ITI and TCS will support the SI with the following information:

- 2.1 Existing network & system configuration information to be used for planning.
- 2.2 BSNL & Non-BSNL sites database (BSNL approved IP site details).
- 2.3 Detailed information of City / Sites to be shared for nominal cell planning.
- 2.4 Antenna details
- 2.5 Formats for Cell design data, RF survey report, DT report, Cluster acceptance report, Post Processing Report, EMF report format, RFI survey format, and Sample as Built report with AutoCAD layout.
- 2.6 License/spectrum details
- 2.7 eNodeB equipment specifications for RF design and Link Budget calculations i.e., Noise figure., sensitivity, interference margin
- 2.8 Site data for existing 2G, 3G sites
- 2.9 NEP and SACFA portal access and requisite application fees
- 2.10 BSNL SPOC details for Site access
- 2.11 EMF testing template/format for Calculation method, Broadband & Narrow band methods
- 2.12 BSNL Nodal office support for TERM/TEC cell discussions
- 2.13 Test SIMs for testing (non-billable usage as long as it's for testing purposes; all unofficial usage/ misuse will be SI's liability- financial and otherwise)
- 2.14 Remote access with read rights of NMS/CNOPS/EMS for checking site configuration parameters and performance reports extraction.
- 2.15 CR process and form format for any changes in site configuration
- 2.16 IPs for any cell design data preparation
- 2.17 Antenna pattern vector files (Atoll compatible) for any RF planning scope requiring this existing path loss values for city / circle wherever applicable. (For link budget preparation)
- 2.18 Requisite fee for SACFA and EMF to be submitted, fee payment will be taken care by ITI/TCS.
- 2.19 Existing site SACFA ID required from BSNL for additional Antenna category SACFA applications.
- 2.20 Core and IMS readiness
- 2.21 Test number with unlimited data plan for Data & VOLTE IMS testing
- 2.22 For downloading system reports remotely TCS will support with necessary VPN access
- 2.23 NOC/OMC confirmation on alarm free site/sector,
- 2.24 eNodeB cell Configuration files from EMS for system parameter audit (if no access is provided)
- 2.25 Change request format for physical optimization.

Read, understood and complied with

Signature of the Bidder

- 2.26 NOC/OMC team support for soft/system parameter changes (wherever support required)
- 2.27 Cluster definition agreement with SI
- 2.28 End to End Transmission Media Port/Fibre Readiness for BSNL portion till eNodeB site.
- 2.29 Declaration of site RFI (CME) and media readiness to execute RFI survey. RFI declaration will also include end to end Transmission bandwidth and stability testing report specifying jitter, delays, latency etc. as per BSNL specifications.
- 2.30 Infra survey checklist along with sample site layout drawing in AutoCAD to validate during RFI survey.
- 2.31 OEM Infrastructure requirement/ Pre-requisites for RAN sites (Dimension, Weight, Wind load, Air pressure, Temperature, Power consumption, MCB rating, Load idle/full).
- 2.32 Site configuration Data for eNodeB commissioning as per OEM Template (eNodeB IP, O&M IP, VLAN, MME ID, Site ID, ARFCN, eCGI)
- 2.33 OEM installation kit (connectors/ cables etc.) for BBU, RRH and ANTENNA.
- 2.34 Clearance of observed punch points during survey and approval on RFI survey
- 2.35 BSNL approved formats for RFI survey, MRN (Material Request Note) format, FRN (Field Return Note) format.
- 2.36 Daily Progress Report template to report output and support required on all 3rd party.
- 2.37 Detailed Timeline for delivery date of RAN to align field teams for smooth rollout, (minimum 1-month advance information required)
- 2.38 Following documents as applicable:
 - a. eNodeB Specification, Installation and Quality Check Document
 - b. Standalone Acceptance Test and Commissioning Document
 - c. eNodeB BOQ for all type of Configurations (FDD, TDD, Dual, Tri Band)
 - d. Dead on Arrival, Damage on Arrival, R&R, Shortfall Procedure and SLA
 - e. Material Theft reporting and Insurance Claim Procedure on Site, the procedure and standard practices
 - f. Material Handover/ Return process after Installation/ Integration
 - g. OHS Compliance Document, the procedure, and standard practices.
- 2.39 SI shall arrange handset for Basic call testing at the time of integration.
- 2.40 Static IP Pools (Free IP Pool) for eNodeB network planning and VLAN range for eNodeB site Planning.
- 2.41 Bandwidth requirement per eNodeB site for making it On Air (Production)
- 2.42 Bandwidth readiness, Media planning needs to be provided by BSNL as per the rollout plan & SI will coordinate & execute accordingly, Tx port availability and bandwidth configuration in existing or new build transport Network.
- 2.43 Circle wise fibre POP and core location or other traffic aggregation locations.
- 2.44 All aggregation connectivity shall be in place before I&C of eNodeB SI requires Static IP Pools (Free IP Pool) for eNodeB network planning and VLAN range for eNodeB site Planning as prerequisites.
- 2.45 In addition, ITI and TCS will support with OEM Specification Sheets/ Manuals/ sessions/ support as applicable for carrying out the documented SoW.

3. ANNEXURE -C REGULATORY COMPLAINECE

List of activities for the SI towards performing the scope of works:

- 3.1 SI shall be responsible for report preparation, end to end applying to and obtaining SACFA clearance/acknowledgement from WPC on behalf of BSNL for installation of BTS/ eNodeB for all the BSNL or non-BSNL sites.
- 3.2 In case of SACFA rejections for any errors in the application, the SI shall bear the SACFA re-application fees if modification is not permissible in the existing application.
- 3.3 SI, on behalf of BSNL, shall prepare documents for submission to the WPC, obtain acknowledgement of submissions, for full siting as well as additional antenna mounting cases. etc. SI shall suggest any site design modifications/ alternatives towards obtaining SACFA clearance, for the sites having WPC SACFA clearance issues of whatsoever nature. SI shall identify new sites by performing RF survey, for acquisition.
- 3.4 SI to make provision for calibrated (manufacturer's calibration certificate accredited by BSNL or Government) tool kits such as Narda / SRM3600 with essential Binoculars, Compass, GPS, Camera, laser meter and a mirror as accessories.
- 3.5 Capturing the panoramic photographs of clutter, tower, existing installations, surrounding area and obstruction towards survey report
- 3.6 SI shall prepare and submit EMF report in the NEP portal.
- 3.7 SI shall perform EMF Broad Band and Narrow Band tests using calibrated licensed equipment for required sites.
- 3.8 SI shall prepare and submit all EMF reports to TERM cell/BSNL with a copy in the records of ITI-TCS and obtain necessary EMF clearance. SI will perform EMF testing with term cell.
- 3.9 SI must follow and comply with all OHS guidelines (FARM-Tower Climbing, Medical certificates, Insurance) for any site I&C activities. The SI shall obtain and maintain adequate insurance coverage for the entire duration of the project to cover any fatalities, accidents, injuries, property damage, or other liabilities arising from the execution of the work. The SI shall be solely responsible for all claims, losses, and liabilities not covered due to inadequate or absent insurance.

3.10 Health and Accident Insurance for Certified Technicians

- 3.10.1 The SI shall ensure that all certified technicians, field engineers, riggers, tower technicians and other personnel deployed for 4G network installation, commissioning, maintenance or related telecom activities are adequately covered under valid and appropriate insurance policies for the entire period of their engagement.
- 3.10.2 Such coverage shall include, as applicable, Group Health/Medical Insurance, Group Personal Accident Insurance and Employees' Compensation/Workmen's Compensation Insurance, covering hospitalization, medical treatment, accidental injury, permanent or temporary disability, and death arising out of or in the course of employment, including risks associated with field and tower installation activities.
- 3.10.3 The SI shall ensure that all personnel deployed at site are properly trained, certified and medically fit for the work assigned to them. The SI shall maintain valid insurance coverage throughout the contract period and shall provide copies of the relevant insurance policies, certificates and proof of coverage to the Company upon request.
- 3.10.4 No technician or other personnel shall be deployed for the work unless the required statutory and contractual insurance coverage is in place. The SI shall be solely responsible for compliance with all applicable laws, regulations and safety requirements relating to its personnel and shall bear all costs, liabilities and claims arising from any failure to maintain the required insurance coverage.

Read, understood and complied with

Signature of the Bidder

4 ANNEXURE -D SURVEY

4.1 RF Survey

This activity is for new build sites only.

- 4.1.1 RF survey team shall identify P1, P2, P3 priority candidates for each planned new site in the issued search ring, nominal plan/radius in the format approved by ITI-TCS.
- 4.1.2 SI to conduct survey using the mobile app being developed by TCS and the survey format, Technical Site Survey Report provided is to be used.
- 4.1.3 Capturing panoramic photographs of the clutter, tower/poles, Antenna location by using compass, existing installations, surrounding area & obstructions like parapet wall, water tank etc.
- 4.1.4 Survey shall be limited to capture tentative lay-out of roof/tower/LMR/terrace/Green field and a visual structure inspection.
- 4.1.5 SI shall perform new site RF survey report preparation and validation of existing RF data provided by BSNL during the RFI survey.
- 4.1.6 SI shall submit new site RF survey report to ITI-TCS for Signoff

4.2 RFI Survey (RAN)

List of activities for the SI towards performing the scope of works:

- 4.2.1 SI to conduct survey using the mobile app or any automated tool with supporting features being developed by TCS and the survey format, Technical Site Survey Report provided is to be used.
- 4.2.2 SI shall conduct RFI survey (per approved RFI form) post receiving RFI declaration by BSNL and prepare a punch list of open items.
- 4.2.3 SI shall coordinate with BSNL ground staff at the location for RFI Survey related access and other queries.
- 4.2.4 SI shall perform the RFI survey and provide the input to BSNL/ITI/TCS assigned Infra-vendor for any modification/rectification including CME readiness.
- 4.2.5 RFI survey (afresh) and corresponding check list with punch points would also be needed.
- 4.2.6 Survey team shall as well note the feasibility of space, AC/DC power, cable routing etc. as per survey form.
- 4.2.7 SI shall assess the BOM (cable runs etc.) for the sites for eNodeB suppliers and for itself.
- 4.2.8 SI shall coordinate with BSNL for RFI using the survey report's punch points towards RFI requirements.
- 4.2.9 SI shall coordinate with BSNL to get site port detail and link performance detail.
- 4.2.10 SI shall bring all the equipment's (laptops, USB to Serial Convertor, GPS, Compass, Laser meter, Camera/Phone with at least 8MP quality, Ethernet Tester or Electrical to Optical Converter, Ethernet Tester, Power Meter, Megger, Voltmeter, Ammeter, etc.) required for Survey.

Read, understood and complied with

Signature of the Bidder

5 ANNEXURE-E RAN INSTALLATION AND COMMISSIONING

List of activities for the SI towards performing the scope of works:

- 5.1 SI shall perform RAN I&C as per SoW and following the Installation guidelines as in Product's installation manual.
- 5.2 SI shall ensure MRN (Material Request note) to be raised to ITI-TCS defined logistics vendor to dispatch the line item as per standard BOQ.
- 5.3 Material verification and report any shortfall or Damaged or Dead-on Arrival to Logistics vendor and ITI/TCS and handover duly packed Dead-on Arrival (DoA) material to logistics team.
- 5.4 SI shall carry out RCC Civil foundation work for fixing of Outdoor BBU Cabinet installation on rate card basis.
- 5.5 SI shall be responsible for material security & **covered under insurance** at the site during I&C (at the site till commissioning)
- 5.6 SI shall coordinate remotely with logistics vendor for material dispatch with proper kitting.
- 5.7 Owner issues should be immediately escalated to BSNL SPOC/ ITI/TCS for timely resolution.
- 5.8 SI shall ensure complete I&C (RF Antennas, RRH, BBU /ODC, cables, GPS, external alarms connection) as per site design prepared by SI and approved by ITI and TCS.
- 5.9 SI should integrate the site environmental alarm to the BBU by mean of alarm cable supplied along with eNodeB and test the state change condition at NMS/EMS.
- 5.10 SI shall ensure proper labelling, cable laying and connections of CPRI, Power, GPS Cable, AISG cables, Jumper Cables, fibre patching up to 30 meters for backhaul between respective nodes/ equipment, perform required waterproofing of 4G Antennas and other joints and seal any open vents in the BBU cabinet.
- 5.11 SI shall raise request and take approval of any planned outages if required and ensure there are no outages for customer and other telecom operators for any reason.
- 5.12 The SI shall remain liable to compensate for the damages to the equipment, attributable to poor workmanship and any theft at site during the I&C period under which the material was ought to be in custody of the SI.
- 5.13 SI shall capture Installation snapshots during Commissioning of eNodeB.
- 5.14 SI shall take-up for any vegetation/ obstruction clearance at sites for the purpose of I&C. SI shall clean-up site after the installation is done and finish the site with debris removal (limited to SI I&C scope) and disposal in a proper way.
- 5.15 SI shall check the current earthing/ grounding status by performing an Earth resistance test on existing Earth pits.
- 5.16 SI shall be responsible for Power input taping for newly installed IP55 rack.
- 5.17 SI Shall ensure RRH & Antenna Port -VSWR and Power Output Testing through EMS and Physical test as may be required during site I&C
- 5.18 SI shall ensure handover of any leftover material to Logistics SI for reverse Logistics after completion of I&C, packing material (like bubble wrap etc.) needs to be provided in advance by ITI/TCS/Logistics vendor to SI wherever required. ITI-TCS to ensure Material pick up needs to be arranged within agreed SLAs with logistics SI.
- 5.19 As part of final ATP, SI shall provide Site photos showing equipment room, tower location, earthing location and the sites shall be handed over, after completing all the pending works, with the following documents.
- 5.20 Approved layout plan as per mutual agreement (along with soft copy in AutoCAD

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- 5.21** The SI should take No Dues Certificate from Site owner
- 5.22** Printout of all Hard copies of ATP, TOC, and ABD (As build design documentation AutoCAD) for submission to BSNL.
- 5.23** SI shall gather and provide required technical data from the Site for EMF and SACFA related applications filing by him.
- 5.24** Quality photographs for Pre & Post rectification activities to be submitted with ITI & TCS.
- 5.25** Revisits needed for any reason from RFI/RF survey till BSNL take over certificate.
- 5.26** De-install existing 3G, 2G antennae and attach 3G RF jumpers to the new multiport antenna
- 5.27** SI shall bring all the equipment's (laptop with admin Rights, USB to Serial Convertor, Ethernet Tester or Electrical to Optical Converter, Ethernet Tester, Power Meter, etc.) required for I&C.

6.0 ANNEXURE-F RF OPTIMIZATION-SCFT/SFT AND CLUSTER

List of activities for the SI towards performing the scope of works:

- 6.1 SI shall arrange necessary tool in sufficient quantities for the task within SLA and TAT
- 6.2 SI shall perform physical site audit of 4G & as defined in the guidelines.
- 6.3 SI shall make necessary corrections/optimization in site design or configuration and in antennae systems to meet KPI requirements and design objectives overall.
- 6.4 SI shall coordinate with NOC/OMC for alarm free site status before start of activity.
- 6.5 Scanner Drive test will be done to check spectrum cleanliness. This should align beforehand in line with RFI survey.
- 6.6 Interference Identification and cleansing to be performed on rate card basis if there is a need with respect to project requirement or reported by DoT/DDG Term Cell or as per customer
- 6.7 SI shall perform SCFT & Cluster drive test (voice & data) for 4G covering test scenarios as per agreed BSNL format and approved RF design database and submit Pass & compliance reports to BSNL, ITI and TCS
- 6.8 SI shall coordinate with BSNL along with ITI & TCS for cluster and drive route definitions.
- 6.9 SI shall analyse results of SCFT, SFT and Cluster Drive Test and perform physical optimization to meet the defined KPI/parameter criteria.
- 6.10 SI will raise and get implemented the required parameter changes through a CR process.
- 6.11 SI will ensure the site KPIs are inline as required before submitting the site/ Cluster for acceptance and shall liaise with BSNL for AT execution and clearance. TCS support will be extended beyond reasonable efforts put by SI. Any undertaking to be submitted for any feature or functionality testing will be provided by TCS Drive test and Performance Benchmarking with existing Coverage & Quality may be asked from SI during AT for exception cases.
- 6.12 Drive test and post processing to be performed as per the requirement and drive test log files must be compatible with the planning tool.
- 6.13 SI will be responsible to ensure the site KPIs are in line with AT requirements until site is taken over by BSNL.
- 6.14 SI is responsible for obtaining Take Over Certificates (TOC) for the RAN sites.

7.0 ANNEXURE-G MEDIA READINESS-eNodeB TO CORE

List of activities for the SI towards performing the scope of works:

- 7.1 Physical patching from eNodeB Uplink Port to Tx Node at cell site. In case of length exceeding 30 meters laying of Inbuilding fibre laying and termination on ODF as per agreed rate card
- 7.2 Assignment of IP-Pool & VLAN VRFs for connecting eNodeB to EPC Core
- 7.3 SI to program manage and coordinate site level configuration changes.
- 7.4 SI to ensure IP MPLS planning, Transmission/ transport planning, and Media testing for required Media readiness to connect a cell site to the core location including for signalling, user data and O&M channels. SI shall do the IP & VLAN planning for eNodeB Traffic requirement. Based on Free IP Pool and Free VLANs data provided by BSNL/ITI/TCS. All required tools and test & measuring equipment's to be provided by the SIs.
- 7.5 For Bandwidth provisioning and testing from eNodeB Tx site till EPC Core – SI Tx Team will coordinate and follow up with BSNL teams like Local circle access, NW planning & Provisioning team (OMC), MPBN Planning & Provisioning, DWDM Planning & Provisioning Team with respective NOCs, Intercity Planning & Provisioning Team (BSNL Corporate Planning Team) and any other teams of BSNL as necessary.
- 7.6 Any escalation required to coordinate with BSNL teams, ITI & TCS team will support SI for the same. Media Testing for required media readiness. Post confirmation of required Bandwidth provisioning from respective BSNL circle or OMC, SI will arrange team for doing necessary testing.
- 7.7 In case of error or recommended throughput issue or Tx port is not coming up SI will conduct end to end link testing using Ethernet tester with calibration certificate and optical/electrical interface which will support 1Gig to 10Gig testing for all the sites.

8.0 ANNEXURE-H PRE-TAKEOVER O&M

List of activities for the SI towards performing the scope of works:

Post AT clearance, SI shall undertake operations for the scope delivered under this SoW till Taking Over Certificate (TOC) and obtain TOC within 30 Days from AT from BSNL for all sites executed by him. Any Operations beyond 30 days due to delay of TOC will be carried out by the SI without any additional cost to TCS. SI scope of O&M would be limited to equipment installed and commissioned by SI.

All the activities mentioned below, or any other activities undertaken by SI during interim O&M duration as defined above, are listed below:

- 8.1 SI shall perform site visits for any fault diagnosis, Customer raised issues, rectification, optimization, alarm rectification, software version upgrades and feature tests during the period.
- 8.2 SI shall undertake OEM supplied Hardware's replacement at site (uninstallation & installation) – e.g., RRH, Antenna- RF, BBU, GPS, CPRI cables etc. for any performance issues of the installed equipment.
- 8.3 SI shall maintain sites as per prescribed O&M practices (preventive and corrective maintenance) until site takeover by BSNL.

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- 8.4 SI shall liaise with the Logistics Vendor for new & dismantled material for forward & reverse logistics to warehouse.
- 8.5 SI shall ensure packing of uninstalled material and documented proper handover at site to the logistics SI. Packaging Material will be arranged at site by ITI/TCS appointed Logistics Vendor, however handover duration and process need to be mutually agreed, as team will be mobilized to next sites once the work is finished.
- 8.6 SI shall be performing any additional drive tests and data processing due to new HW or firmware upgrades before site AT or Customer raised issues and to be followed as per mentioned in Annx F
- 8.7 SI shall provide at least 3 resources round the clock (24x7) in each of the Zonal NMS centre for monitoring and supporting field team, Field DT engineers & during the AT process.

9 ANNEXURE -I (PROJECT ACTIVITIES TIMELINE)

Following is the Project Activity Timelines; metrics need to be mutually agreed between SI & ITI/TCS based on the overall project plan, though indicative requirements have been mentioned in different sections.

Parameters	Metrics /KPIs	TAT	Remarks/Comments
Final RF and Tx Design	Design document Submission to BSNL and Signed off document receive from ITI/TCS/BSNL	For Submission to ITI & TCS: Within 10 working days (2 weeks) of PO and availability of detailed site database from BSNL at Circle level.	
RF Survey	RF survey report submission	7 days from Approved Nominal Plan at circle level	
LoS Survey	LOS Survey report submission	7 Days from approved nominal Plan at circle level	
RFI Survey	RFI survey report	2 Days from RFI declaration by BSNL	
eNodeB I&C	I&C status in CNOPS with Alarm Integration report from CNOPS	2 Days after material delivery at site	
EMF submission by Calculation method or by BB /NB Test if in case self-calculation fail	NEP Portal snapshot/report	Before RFS	To be comply with respect to DoT guidelines
SCFT and SFT (single cell/ site functionality testing)	24 hours KPI compliance report from CNOPS	2 days from I&C	Exclusions: Delays due to media and core activities.
AT by BSNL/TCS/ITI as applicable	7-15 days of KPI compliance report from CNOPS and AT sign-off by ITI and TCS as applicable	Within 15 days from I&C	
RFS of eNodeB	24 Hours KPIs' compliance report before AT sign-off and EMF NB/BB compliance testing by regulatory if mandated	Post AT certificate by BSNL	Exclusions: Delays due to any hardware issue, media and core activities.
Cluster optimization	Cluster KPIs	Upon RFS of 80% of cluster sites	
Cluster RF AT	As per Deviation note and Impact analysis (if any) submit report to TCS and ITI	Upon 100% cluster readiness	Exclusions: Any undertaking related to OEM features and functionalities
Site TOC (Takeover by BSNL)	CNOPS KPI compliance reports of 15 days	To be issued by TCS Within 30 days of Self Certification by TCS (or AT	

Read, understood and complied with

Signature of the Bidder

10. ANNEXURE -J (RASI MATRIX) (R- Responsible, A- Accountable, S-Supporting, I-Informed): Indicative RASI Matrix is given below and the same need to be mutually agreed between SI & ITI/TCS based on the overall project plan.

SL No	Activity Type	ITI/TCS	SI	Remarks
11.1	<u>EMF Reports submission</u>			
10.1.1	Prepare and submit EMF report in the NEP portal	I, S	R,A	
10.1.2	Perform EMF Broad Band and Narrow Band tests for required sites	I, S	R,A	
10.1.3	Submit EMF survey report to BSNL	I	R,A	
10.1.4	Acknowledgement from BSNL on EMF survey report	A, S	R	
10.2	<u>RF Optimization – SCFT/SFT and Cluster</u>			
10.2.1	Perform SCFT, SFT & Cluster drive test (voice & data) for 4G covering test scenarios as per agreed BSNL form and approved RF design database	I, S	R,A	
10.2.2	Parameter changes through a CR process	I, S	R,A	
10.2.3	CR Approval	I, S	R,A	
10.2.4	Confirmation from for alarm free site status before start of activity	I,S	R,A	
10.2.5	Deviation report and undertaking submission for any feature or functionality testing	A, S,	R,I	
10.2.6	Preparation and Submission of SCFT and Cluster Optimization reports to TCS and ITI	I, S	R,A	
10.2.7	Signoff on RF and MW planning report, RF survey report, SCFT report and Cluster Optimization	A, S	R	
10.3	<u>RAN : RFI Survey</u>			
10.3.1	First time RFI Declaration (with Rack, Infra, Power and Media) etc;	R, A	I,S	

Read, understood and complied with

Signature of the Bidder

SL No	Activity Type	ITI/TCS	SI	Remarks
10.3.2	Conduct RFI Survey and Preparation and Submission of punch point list	I, S	R,A	
10.3.3	Acknowledgement from BSNL and further clearance on Punch point list	R, A	S,	
10.3.4	Final Confirmation of RFI	I, S	R, A	
10.4	RAN Installation & Commissioning			
10.4.1	RAN eNodeB and its consumables material projection and delivery plan	I, S	R,A	
10.4.2	MRN to be raised to TCS logistics SI	I, S	R,A	
10.4.3	Coordinate remotely with logistics vendor for material dispatch with proper kitting	I, S	R,A	
10.4.4	Approved site layout plan along with Soft copy (AutoCAD)	I	R,A	
10.4.5	Complete I&C as per RND	I, S	R,A	
10.4.6	On site configurations for device reachability to NOC	S	R,A	
10.4.7	Remote site configuration and integration from NOC including alarm and SON network	I, S	R,A	Seating space and connectivity will be provided by TCS
10.4.8	Coordinate with other parties like the DC systems supplier and the civil foundation works vendor post RFI declaration	I, S	R,A	
10.4.9	Predefined External alarms termination and testing with EMS	I, S	R,A	
10.4.10	Material security at the site during I&C (receiving at the site till commissioning)	I	R,A	

Read, understood and complied with

Signature of the Bidder

SL No	Activity Type	ITI/TCS	SI	Remarks
10.4.11	Necessary communication to TCS and ITI SPoC in case of any theft and damage of material	I, S	R,A	
10.4.12	Police complaint / FIR initiation in case of theft	I,S	A,R	All applicable paper work towards insurance claims to be provided by SI from the field
10.4.13	Preparation and submission of ATP documents to TCS and ITI	I, S	R,A	
10.4.14	Obtaining AT clearance and Taking over Certificate from BSNL	A, S	R	
10.5	Media Readiness			
10.5.1	Manage and coordinate site level configuration changes	I, S	R,A	
10.5.2	IP and VLAN Planning for eNodeB	I, S	R,A	
10.5.3	Preparation of Transmission/ transport plan (including the IP plan) architecture for the new sites with required inputs from BSNL	I, S	R,A	
10.5.4	Coordination with BSNL teams for Bandwidth provisioning and testing	I, S	R,A	
10.5.5	Media Testing for required media readiness (for all the sites)	I, S	R,A	
10.5.6	Preparation of synchronization plan and perform I&C of the procured synchronization systems	I, S	R,A	
10.6	Pre-Takeover O&M			
10.6.1	Perform site visits for any fault diagnosis and rectification, upgrades and Customer complaint issues, TRAI/DOT Visit.	I, S	R,A	
10.6.2	24x7 monitoring for the integrated sites from NOC, L1 resolution and L2/L3 ticketing	I, S	R,A	Seating space and connectivity will be provided by TCS

Read, understood and complied with

Signature of the Bidder

SL No	Activity Type	ITI/TCS	SI	Remarks
10.6.3	Reports (Survey, I&C) and as built drawing submission to ITI and TCS for all the task performed by SI	I, S	R,A	
10.6.4	24x7 monitoring for the integrated sites from NOC, L1 resolution and L2/L3 ticketing	I, S	R,A	

11. Annexure -K (Activity Line Items): Following is the Indicative list of Activities

	No of sites	7199	414
		Cat B	Conversion (CAT A to CAT B)
Activity		CAT-B 2T2R FDD 2100/1800 MHz & 2T2R FDD 850 MHz/700 MHz Dual Technology	
1. RFI Survey for Complete existing infra and upgrade for 4G			
2. I&C (as per SOW document) and Successful AT Report Submission			
3. SCFT and RF AT Report Submission			
4. Cluster Optimization and Report			
5. EMF (Calculation) submission			
6. AT Clearance from BSNL (I&C, RF) Applicable only 5% Sites check by BSNL			
7. 1 Month O&M			
8. Post AT Revisits for TCS Requirement			

12. Annexure -L (List of Tools & Testers):

S. No	Tools	Details	Remarks
1	Planning	RF Planning Tool	Atoll, Asset, Planet or equivalent
2	Planning	MW Planning Tool	Atoll, Pathloss or equivalent
3	Drive Test	Tems/Nemo or equivalent Drive Test Kit with calibrated handset, GPS ,Post Processing Tool	Rigger with PPE and Tool Kit
4	Spectrum Scanner	4G Scanner/Spectrum Analyser	4G Band, to be support other bands too
5	InterMod Detector	PIM Meter	4G Band
6	Cable Loss Tester	VSMR Meter	
7	EMF	EMF KIT	Narda or equivalent
8	Transmission	Ethernet Tester	

----- END OF SECTION I -----

Read, understood and complied with

Signature of the Bidder

SECTION II:

1. INSTRUCTIONS TO BIDDERS

1.1 Invitation to Bid:

Bids are invited from the 3 Companies mentioned above for "Selection of SI for the Rollout of 4G in West Zone of BSNL ", who meets the eligibility criteria as specified in this Tender.

1.2 Bid Preparation Costs

- 1.2.1 The bidder shall be responsible for all costs incurred in connection with participation in this Tender process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of bid, in providing any additional information required by the **ITI** to facilitate the evaluation process, and in negotiating a definitive contract or all such activities related to the bid process.
- 1.2.2 **ITI** shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

1.3 Authentication of Bid

A bid should be accompanied by a power-of-attorney in the name of the signatory of the bidder.

1.4 Bid Submission

- 1.4.1 **ITI's** Tender document can be downloaded from ITI web site www.itiltd.in or CPP portal www.eprocure.gov.in. The hard copy of the Tender document is not available for sale by ITI.
- 1.4.2 Bid/RFP document fee of Rs.5900.00/- (inclusive of GST) shall be applicable for each bid. This shall be submitted as a Demand Draft/ Online Payment (NEFT/RTGS) / Pay Order drawn from a Scheduled Bank/Post Office in favour of ITI Limited, NS Unit, Dooravaninagar, Bangalore - 560016, along with the bid/RFP document. The bid/RFP document fee is non-refundable. MSME organizations are exempted from paying of bid/RFP document fee. The Bank details for crediting/Transferring money to ITI is as below.

Account No:10637729843

Bank: State Bank of India

Branch: Dooravani Nagar

IFSC Code: SBIN0001438

- 1.4.3 The Tender document fee is non-refundable.
- 1.4.4 Bid shall be valid for at least 120 days from the date of Bid opening.

Read, understood and complied with

Signature of the Bidder

Each bid shall be accompanied with a EMD from a Scheduled Bank for an amount of Rs. 17,17,833/- for Zone 1 and Rs. 25,54,448/- for Zone 2

- 1.4.5 Rs. 17,17,833/- for Zone 1 and Rs. 25,54,448/- for Zone 2 in form of DD/Bankers Cheque/Bank Guarantee/Online Payment (NEFT/RTGS) in favour of ITI Ltd, NS Unit, Bangalore-560016 valid for a period of 180 days from the date of bid opening. MSME organizations are exempted from EMD. But bid securing declaration should be submitted as per attached format in tender document.
- 1.4.6 The successful bidder shall submit a Performance Bank Guarantee (PBG) from a Scheduled Bank to **ITI** for an amount equal to 5% of the work awarded valid for three years. The PBG should be submitted latest within 14 days from the date of ITI's requisition(LOI). The validity of the PBG shall be extended in case of the extension of original delivery time lines of the project.
- 1.4.7 The EMD of the unsuccessful Bidder will be returned/discharged to the Bidder within 30 days of finalization of selection of the Bidder. The EMD of the successful Bidder ("**SI**") will be returned on submission of Performance Bank Guarantee for an amount equal to 5% of the total value of the project awarded, for implementation.
- 1.4.8 Bids in prescribed Electronic forms shall be submitted through unibrain

**AGM(MM),
NS Unit, ITI Limited,
Dooravani Nagar, Bengaluru
Phone: 080-25660508
Email: materials_nsu@itilttd.co.in**

2. The Bid submitted shall consist of Two e-Envelope (Technical & Financial)

2.1 e-Envelope [Techno Bid]

- 2.1.1 Copy of **ITI's** tender document signed by the authorised person of the Bidder at bottom of each page of the Tender document as an acceptance for having read and understood the Tender and compliance.
- 2.1.2 Power of attorney in case of authorized representative having signed the Tender.
- 2.1.3 GST Registration document
- 2.1.4 All Documents as proof of meeting eligibility conditions and satisfying all other requisites for bid.
- 2.1.5 Bidder shall provide unconditional acceptance for the SOW given at Section I.
- 2.1.6 Bidder shall mention which of the tools and tester are owned/rental as per annexure L.
- 2.1.7 The bidders shall submit, separately, financial bid as per the bid formats mentioned at Section IV.
- 2.1.8 Incomplete bids are liable for rejection.
- 2.1.9 The financial bid/quoting rates at any other place than designated, will make the bid liable for rejection.**

3 CLARIFICATIONS:

Bidders desirous of seeking clarifications on the Tender, may send their queries through email to: materials_nsu@itilttd.co.in

- 3.1 On the Financial Bid opening day, the Bidders who are desirous technically qualified, for attending bid opening may do so as per the e-Tendering process (TOE).
- 3.2 Bids without authenticated proof of Bid document fee, EMD and other technical compliances as required and prescribed in this Tender, will be rejected.
- 3.3 The date for opening the financial bids will be communicated to all technically qualified and eligible bidders separately, through registered email
- 3.4 The offers prepared by the Bidders and all the correspondences and documents relating to the offers submitted/exchanged by the Bidder, shall be written in English language.
- 3.5 ITI reserves the right to suspend or cancel the Tender process at any stage, or to accept, or reject any, or all offers at any stage of the process and / or to modify the process, or any part thereof, at any time without assigning any reason, without any obligation or liability whatsoever and the same shall be published in the ITI website or intimated through email.
- 3.6 The Bidder shall bear all costs associated with the preparation and submission of its Tender, including cost of presentation for the purpose of clarification of the offer, if so desired by ITI.
- 3.7 At any time prior to the last date for receipt of offers, **ITI**, may, for any reason, whether at its own initiative or in the response to a clarification requested by the prospective bidders, modify the Tender document.
- 3.8 Also, ITI may, at its discretion, extend the last date and time for the receipt of offers and/or make other changes in the requirements set out in the Invitation for Tender at its own accord or in order to provide reasonable time to bidders to take the amendments into account in preparing their offers.
- 3.9 If the last day for the bid submission is declared as a holiday, the bid will be opened at the same time on the next working day.
- 3.10 Any change/clarifications in the Tender Terms or Schedule shall be notified at ITI Ltd.'s website: www.itilttd.in (Tender Section) and CPP Portal www.eprocure.gov.in. The intended bidders need to take notice of the same.

4 PERIOD OF VALIDITY OF BIDS:

- 4.1 Bid shall remain valid for 180 days from date of opening of the bids (Qualifying Bid). A Bid valid for a shorter period shall be rejected by ITI as non-responsive.
- 4.2 In exceptional circumstances, the tendering authority may request the consent of the bidder for an extension to the period of bid validity. The request and the response thereto shall be made in writing. In such cases, the bid security provided shall also be suitably extended. The bidder may refuse the request without forfeiting its bid security. A bidder accepting the request and granting extension will not be permitted to modify its bid.

Read, understood and complied with

Signature of the Bidder

5 SIGNING OF BID:

- 5.1 The bidder shall prepare, as a part of his bid, the bid documents duly signed on each and every page submitted (digital signatures accepted on e-tendering portal), establishing the conformity of his bid to the bid documents of all the works to be executed by the bidder under the contract and the credentials claimed to comply the bid conditions.
- 5.2 The bid shall contain no inter-lineation, erasures or overwriting except as necessary to correct errors made by the bidder in which case such corrections shall be signed with dated by the person or persons signing the bid.

Annexure-M

INTEGRITY PACT (To be submitted on plain paper)

PRE-CONTRACT INTEGRITY PACT

(To be executed on plain paper and submitted along with Bid Documents. To be signed by the bidder and same signatory Competent/ Authorized to sign the relevant contract on behalf of the ITI Ltd).

RFP for.....vide ref No.....

This Integrity Pact is made onday of 2023

BETWEEN:

ITI Limited,having its Registered & corporate office at ITI Bhavan, Dooravani Nagar, Bangalore – 560016 India, and established under the Ministry of Communications & IT, 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 include its successors and assigns) ON THE ONE PART

AND

M/s represented byChief Executive Officer (hereinafter called the bidder(s)/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 enter into an MOU of Sling business opportunities of common interest and able to generate synergies in execution of such business for

(name of the Stores / equipment / items). 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 RFP 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 RFP 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:

Read, understood and complied with

Signature of the Bidder

SECTION 1 – COMMITMENTS OF THE PRINCIPAL

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 RFP 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 person is not legally entitled to.
- b. The Principal will, during the RFP process treat all bidder(s) with equity and reason. The Principal will in particular, before and during the RFP 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 RFP process or the contract execution.
- c. The Principal will exclude from the process all known prejudiced persons. If the principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC Act or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action as per its internal laid down Rules/ Regulations.

SECTION 2 – COMMITMENTS OF THE BIDDER / CONTRACTOR

The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself observe the following principles during the participation in the RFP 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 RFP 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 RFP 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) f 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.

Read, understood and complied with

Signature of the Bidder

- 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 RFP PROCESS & EXCLUSION FROM FUTURE CONTRACTS

If the Bidder(s)/Contractor(s), during RFP 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 RFP process.

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 exclude including blacklisting for future RFP/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.

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.

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.

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 (SI/ Contractor(s), however the Bidder(s)/Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.

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.

Subject to full satisfaction of the Principal, the exclusion of the Bidder(s)/Contractor(s) could be revoked by the Principal if the Bidder (\$)/ 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

- a. 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

Read, understood and complied with

Signature of the Bidder

with any other Public Sector Enterprises/ Undertaking in India of any Government Department in India that could justify his exclusion from the RFP process.

- b. If the Bidder(s)/ Contractor(s) makes incorrect statement on this subject, he can be disqualified from the RFP 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 RFP 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.
- 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

- a. The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.
- b. The Bidder(s)/Contractor(s) undertakes to get this Pact signed by its subcontractor(s)/sub- vendor(s)/ associate(s), if any, and to submit the same to the Principal along with the RFP 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 subcontractors/ sub-vendors / associates.
- c. The Principal will disqualify from the RFP process all bidders who do not sign this Integrity Pact or violate its provisions.

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

- a. 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)

- a. 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 extent the parties comply with the obligations under this pact.

Details of IEM appointed by IT1 are as under:

IEM - I

Shri Javeed Ahmad, IPS (Retd.)

M-1101, Shalimar Gallant Apartment,

Vigyanpuri, Mahanagar, Lucknow-226006

Read, understood and complied with

Signature of the Bidder

IEM – II

Shri Atul Jundall, IFS (Retd.)

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

- b. 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.
- c. 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.
- d. 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.
- e. The Monitor will submit a written report to the Chairman & Managing Director of the Principal within 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.
- f. 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.
- g. The word 'Monitor' would include both singular and plural.

SECTION 9 - FACILITATION OF INVESTIGATION

- a. 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

- a. The Pact is subject to the Law as applicable in Indian Territory. The place of performance and jurisdiction shall the seat of the Principal.

Read, understood and complied with

Signature of the Bidder

- b. 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

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.

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).

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

- a. This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate office of the Principal at Bengaluru.
- b. Changes and supplements as well as termination notices need to be made in writing by both the parties. Side agreements have not been made.
- c. If the Bidder(s)/Contractor(s) or a SIs, the pact must be signed by all consortium members and SIs.
- d. 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.
- e. Any disputes/ difference arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with interpretation thereof shall not be subject to any Arbitration.
- f. 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 date first done mentioned in the presence of the witnesses:

For PRINCIPAL
BIDDER(S)/CONTRACTOR(S)

For ITI Limited

.....
.....

Name Designation

Name Designation

Witness

1.

1.

2.

2.

Read, understood and complied with

Signature of the Bidder

Disclaimer:

- ITI and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of ITI and/or any of its officers, employees.
- All information contained in this Tender provided / clarified is in good faith and interest. This is not an agreement and is not an offer or invitation to enter into an agreement of any kind with any party.
- Though adequate care has been taken in the preparation of this Tender document, the interested bidders shall satisfy themselves that the information contained in the document is complete in all respects to enable to make an informed decision to bid. Interested Bidders are required to make their own enquiries and assumptions wherever required.
- Information provided in this document or imparted to any respondent as part of the Tender process is confidential and shall not be used by the respondent for any other purpose, distributed to, or shared with any other person or organization
- Bid received / submitted after due date and time will not be considered.

----- END OF SECTION II-----

SECTION III- ELIGIBILITY CRITERIA

	Eligibility Criteria	Documents Required
1	A. The Sole Bidder should be registered under Companies Act, 1956/2013 or as amended or an LLP firm/Partnership firm under Partnership Act 1932. B. The Sole Bidder should have completed at least 5 years of operation in India as on RFP submission date.	The Bidder should submit • Copy of Certification of Incorporation/Registration Certificate • PAN card • GST Registration
2	The Sole Bidder should have an average annual turnover during the last three financial years, ending 31st March 2026 of previous financial year. Zone 1: - 03.41 Cr Zone 2: - 08.43 Cr Note: The bidder participating in both zones, must have the cumulative value of Turnover.	The Bidder Audited financial statements for the last three financial years, ending 31st March 2026 of previous financial year • Certificate from the Statutory Auditor / Chartered Accountant on turnover details for the last three financial years, ending 31st March 2026 of previous financial year • Certificate from the Statutory Auditor / Chartered Accountant on positive net-worth for the last three financial years, ending 31st March 2026 of previous financial year
3	The Sole Bidder should possess any two (2) of the below certifications which are valid at the time of bidding: - ISO 9001:2008/ ISO 9001:2015 for Quality Management System - ISO 20000:2011 for IT Service Management - ISO 27001:2013 for Information Security Management System	The Bidder shall submit the required Copies of valid certificates
4	The Sole Bidder should possess full time employees on payroll of the bidder, working in the I & C services as on RFP submission date.	The Bidder should produce Certificate from the Head of HR Department or equivalent on bidding entity's letter head countersigned by authorized signatory of this RFP.
5	Bidder shall have sufficient Manpower to carry out the activities as per the scope of work. Bidder shall provide information on the number of full time and part time employees on the rolls of the Bidder. If the number of employees is found to be non-commensurate with the work expected	Certificate from the Head of HR Department or equivalent on bidding entity's letter head countersigned by authorized signatory of this RFP.

Read, understood and complied with

Signature of the Bidder

	to be allocated by ITI, ITI may treat the bid as non-compliant.	
6	The Sole Bidder must have successfully completed works during last 5 years ending last day of month previous to the one in which applications are invited should be having 3G, 4G, 5G Radio I&C experience for Operators/OEMS: 1. Three completed I&C works covering not less than 400 sites. 2. Two completed I&C works covering not less than 1,200 sites. 3. One completed I&C works covering not less than 2,000 sites. One completed Work means a Single Work/Purchase Order quantity as given above.	The bidder should submit supporting documents i.e. work order and completion certificate from client.
7	Zone 1 – CG , MP,GJ Zone 2 – MH, Mumbai	The bidder can participate in both Zones.
8	The Bidder in the last Five years, must have successfully completed at least One 3G, 4G,5G I&C project with a value of Zone 1- Rs. 9.1 Cr Zone 2- Rs. 22.47 Cr or Two 3G, 4G I&C project with a value of with a value of Zone 1- Rs. 5.7 Cr Zone 2- Rs. 14.0 Cr or Three 3G, 4G I&C project with a value of each with a value Zone 1- Rs. 4.5 Cr Zone 2- Rs. 11.2 Cr	Valid end customer PO copy during the last seven years with completion certificate. Note: If bidder is applying for multiple zone, the value should be cumulative of the estimated cost of all the zones applied for.
9	Satisfaction certificate from ITI	The bidder should submit the satisfaction certificate against the previous projects done for ITI, from the ITI Official not below the Rank of GM
10	• Vendor should compulsory quote for both, DBN and PHIX.2 sites	

Read, understood and complied with

Signature of the Bidder

	- The site distribution shall be in the ratio of 60:40 for CG, GJ and MP circle (Zone: 1) - The site distribution shall be in the ratio of 35:25:25:15 for MH and Mumbai circle (Zone: 2)	Only Two vendors will be allotted in Zone-1 circle. In each circle, the work will be allotted to two vendors only. Four vendors in Zone-2 will be allotted the work. In each circle, the work will be allotted to four vendors only.
11	The Bidder should not have been black-listed for indulging in corrupt practice, fraudulent practice, coercive practice, undesirable practice, breach of contract or restrictive practice by any Central/ State Government as on RFP submission date (during last three (3) years).	The Sole Bidder shall furnish an undertaking signed by CEO/ Country Head/ Authorized signatory of the company to be provided on Non – judicial stamp paper of INR 100/- or such equivalent amount and document duly attested by notary public as per format in Annexure -N
12	Specific Power of Attorney in favour of Authorized Signatory signing the RFP and Board Resolution in favour of person granting the Power of Attorney for the Sole Bidder (on Non – judicial stamp paper of INR 100/- or such equivalent amount and document duly notarized) who shall sign the Contract Agreement	Specific Power of Attorney for the Sole Bidder to sign the Contract Agreement on Non-Judicial stamp paper of Rs 100/-
13	As per GOI Order No. P-45021/2/2017- PP(BE-II), dated 16-09-2020 for Make in India only Class-I local supplier & Class-II local supplier are eligible to bid for this tender.	Mandatory Undertaking for Purchase Preference to MAKE In INDIA to be submitted as per format in Annexure - O
14	Bidder should submit Solvency Certificate valued from any scheduled bank issued or CA Certificate. Zone:1 - 4.54 Cr Zone:2 - 11.23 Cr Note: If bidder is applying for multiple zone, the value should be cumulative of the value of all the zones applied for.	Certificate to be enclosed.

Note: The Bidders may provide financial Bid as mentioned below at Section VI (Commercial Terms) During RFP evaluation, if required, ITI may seek additional document(s) / clarification(s) from Bidder. The Bidder shall be required to provide written clarification on the queries within the stipulated timeframe failing which, ITI shall have right to disregard the clarification and proceed with the evaluation as per the RFP terms and conditions. "Bidders having legal case against ITI Ltd shall not be considered"

Read, understood and complied with

Signature of the Bidder

Annexure-N

Format for undertaking of non-blacklisting

(To be executed on Non-judicial stamp paper of INR 100/-or such equivalent amount and document duly attested by notary public)

(Insert Bidder Name) have not been blacklisted/debarred by any Central/ State Government and also have not been under any legal action for indulging in corrupt practice, fraudulent practice, coercive practice, undesirable practice, breach of contract or restrictive practice with any Indian Central/ State Government in last three (3) years.

Authorized Signature: _____

Name and Title of Signatory: _____

Location: _____ Date: _____

Annexure- O

Format for Make in India Undertaking

Bidder shall furnish following self-certificate on its letter head.

"We M/s_____ (Name of bidder) hereby certify that we meet the mandatory minimum Local Content requirements of the RFP of equal to or more than 50% (for Class-I) / greater than 20% and less than 50% (for Class-II) (in value terms) quoted vide our offer No. _____ dated _____ against ITI RFP No. --- -----dated Given below are the list of items (goods and services) which meets the Local Content Criteria. along with details of the location(s) at which the local value addition is made in respective items (goods and services)"

Sr	Description of Items / Products / services	Make	Model	location(s) at which the local value addition is made

If value of procurement is more than INR 10 Crore, above undertaking shall be supported by the following certificate from Statutory Auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies giving the percentage of local content, on the letter head of such Statutory Auditor.

"We_____ the statutory auditor of M/s. _____ (name of the bidder) hereby certify that M/s. _____ (name of bidder) meet the mandatory Local Content requirements of the Project Work under this RFP i.e. equal to or more than 50% (for Class-I) / greater than 20% and less than 50% (for Class-II) (in value terms) quoted vide offer No. _____ dated _____ against ITI RFP No. -----datedby M/s. _____ (Name of the bidder).

(Note: In case of bidder(s) for whom Statutory Auditor is not required as per law, required certificates shall be provided by a practicing Chartered Accountant.)

For Details Govt. of India Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 may be referred.

----- END OF SECTION III ----

Read, understood and complied with

Signature of the Bidder

SECTION IV: GENERAL (COMMERCIAL) CONDITIONS OF THE TENDER

1. PRICES:

Prices charged by the SI for the works performed under the Contract shall not be higher from the prices quoted by the SI in his Bid. Price once fixed will remain valid for the period of contract. Increase and decrease of taxes/duties will not affect the price except Goods and Service tax (GST) which will be paid at prevailing rate, during this period

2. SUBCONTRACTS:

The SI shall not assign, sub contract or sublet the whole or any part of the works covered by the contract, under any circumstances without written approval of ITI in advance.

3. LIABILITY:

ITI will not be liable to the SI for any losses or damages, theft, costs, charges which the SI may in any way sustain/suffer due to non-issue of work order/delay in making store available.

4. PERFORMANCE SECURITY:

- 4.1 The successful bidder shall submit a bank guarantee for an amount equivalent to 5% of the value of work awarded at the Tender approved price as security deposit (Bank Guarantee) towards performance of the contract called PBG within 14 days from the date of issue of LOI, (NS Unit), payable at Bengaluru from any scheduled bank in India, valid for 36 months extendable till the completion of Network Acceptance Testing and starting of warranty Phase.
- 4.2 Further an amount equivalent to 5% of the value of running bills shall be deducted as Security Deposit (SD). The SD will be refunded after completion of work/handover the sites in the scope of work after deducting pending recoveries, if any.
- 4.3 On receipt of PBG from the bidder and after confirmation of the genuineness of the PBG from the bank, the EMD, received earlier, will be returned.
- 4.4 A separate Security in the form of Bank Guarantee may also be taken for the Material issued during the execution of project if the progress of work is not in pace of issue of material.
- 4.5 The proceeds of the PBG shall be payable to the ITI as compensation for any loss resulting from the SI's failure to perform the obligations under the contract and warranty obligations including the cost of material of ITI or any other liability incurred.
- 4.6 If there are recoveries to be made, SI shall deposit the money before the release of PBG
- 4.7 . In case of failure to make good the charges payable towards ITI including accrued penalties, PBG will be forfeited and recovery to be effected from the realized amount. The balance amount, if any, after adjustment of above recoveries, same shall be paid to the SI.
- 4.8 It is the responsibility of the SI to submit the proof that he has deposited the Goods & Services tax in time, otherwise ITI will recover/deduct from subsequent bills or PBG as the case may be.
- 4.9 No interest will be paid to the SI on the security deposit(s).
- 4.10 The maintenance services being rendered by SI during warranty may be extended for a maximum period of one year at the mutually agreed terms and conditions.

Read, understood and complied with

Signature of the Bidder

4.11 Application for Extension of Time and Sanction of Extension of Time (EOT):

- 4.11.1 There may be some hindrances, other than covered under force majeure, while execution of work and in such cases the SI shall apply in writing to the Designated Officer-in-charge for extension of time (EOT), on account of which, he desires such extension, on the same day of occurrence of hindrance. The Designated Officer-in-charge shall forward the request to the competent authority with his detailed report, who may or may not grant extension of time for completion of work or may allow so with certain conditions.
- 4.11.2 The application must contain the ground(s), which hindered the SI in execution of work.
- 4.11.3 The Designated Officer-in-charge would be given the grounds for extension of time.
- 4.11.4 The designated authority may consider the request keeping all the facts and circumstances in view and discuss with the User before grant of extension of time, if there are reasonable and sufficient grounds for granting such extension and the reasons for delay are not ascribable to the SI.
- 4.11.5 The competent authority may also grant extension of time for completion of work in cases where reasons for delay are ascribable to the SI, but such extension of time shall be with LD charges as per clause dealing with Liquidated damages (LD) for delays in execution of works.
- 4.11.6 The competent authority shall grant EOT with time period for completion of work clearly mentioned.

If the competent authority is of the opinion that the grounds shown by the SIs are not reasonable and sufficient and declines to grant the extension of time, the SI cannot challenge the soundness of the opinion by reference to arbitration. The decision of the competent authority on period of extension of time or refusal for extension of time shall be final and binding on the SI.

NB: SINCE THE WORK IS TO BE EXECUTED FOR AND ON BEHALF OF AN END USER, THE NEED AND EXEGENCIES OF THE USER SHALL PREVAIL UPON ALL THE COVENANTS AND ALL DECISIONS SHALL BE TAKEN WITH THE KNOWLEDGE OF SUCH USER. THE USER HERE BEING BSNL THE PROJECT BEING OF NATIONAL IMPORTANCE, A SPECIAL CARE AND PREPERATION WILL BE EXPECTED FROM THE SI.

5. BID OPENING AND EVALUATION:

Opening of bids by the ITI:

The Electronic Envelope marked as '**Bid Security, Bid cost & Authorization Envelope**' shall be opened first and examined by the designated Bid Opening Committee (TOC) of ITI. The TOC shall ascertain that the documents submitted in the envelope meet the requirements of eligibility for opening the qualifying bid of a bidder for this tender then only the TOC shall open and download the Qualifying Bids online after the due date and time by logging into the e-tender portal. The bidders whose Physical Envelopes are either not received in time or the documents do not meet the preliminary requirement of eligibility, their bids shall not be opened/downloaded from the E tender portal.

Read, understood and complied with

Signature of the Bidder

The Qualifying Bids downloaded shall be evaluated by the designated TEC and the result of evaluation after approval by the competent authority shall be declared for the information of all concerned clearly mentioning the qualified bidders and non-qualified bidders.

Evaluation of the Bids: Bids received through the forward auction shall be evaluated based on the following criteria.

- The cost for execution of the entire scope of 7619 sites as per the scope of Work is Rs.40 Cr.
- Bidder whoever offers lowest rates would be the reference value (L1) for the reverse auction.
- The reverse auction schedule will be intimated later.
- Further the bidders will be allowed to participate in the reverse auction based on the lowest rates.
- After minimum number of iterations, the bidder who quotes lowest rate would be declared as the L1 Bidder
- The bidder, selected through RA, shall provide the distribution of % discounted rates evenly in all the line items.
- The other selected bidders shall be awarded the work at L1 rates.

6. CLARIFICATION OF BIDS BY THE ITI:

To assist in examination, evaluation and comparison of bids, the ITI may, at its discretion ask the bidder for clarification of its bid. The request for its clarification and its response shall be in writing. However, no post bid clarification at the initiative of the bidder shall be entertained.

7. VERIFICATION OF BIDS BY ITI:

If any of the documents, required to be submitted along with the bid is not available, the offer is liable to be rejected at that stage. However, ITI at its discretion may call for any clarification regarding the document within a stipulated time period. In case of non-compliance to such queries in the given time, the bid will be out rightly rejected without entertaining further correspondence in this regard.

8. PRELIMINARY EVALUATION:

- 8.1 ITI shall evaluate the bids to determine whether they are complete, whether any computational errors have been made, whether required securities have been furnished, whether the documents have been properly signed/authenticated and whether the bids are generally in order.
- 8.2 Prior to the detailed evaluation, the ITI will determine the substantial responsiveness of each bid to the bid document. For purpose of these clauses a substantially responsive bid is one which conforms to all the terms and conditions of the bid documents without deviations.
- 8.3 The ITI may waive any minor infirmity or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of the bidder.

Read, understood and complied with

Signature of the Bidder

- 8.4 Bids found Technically and commercially compliant and suitable would only be considered for Price bid opening.

9. INFLUENCING THE ITI:

- 9.1 No bidder shall try to influence the ITI on any matter relating to its bid, from the time of bid opening till the time the contract is awarded.
- 9.2 Any effort by the bidder to modify his bid or influence the ITI in the ITI's bid evaluation, bid comparison or the contract award decisions shall result in the rejection of the bid.

10. ITI's RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:

ITI reserves the right to accept or reject any bid and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders

11. ISSUE OF LETTER OF INTENT:

The issue of letter of intent (LoI) shall constitute the intention of the ITI to enter into the contract with the bidder. LoI will be issued as offer to the successful bidder(s).

The bidder shall give his acceptance along with (5% of the contracted) Performance Security (PBG) within 14 days of issue of letter of intent.

12. SIGNING OF AGREEMENT:

- 12.1 Once the tender is approved by the competent authority and Letter of Intent (LoI) is issued, the SI shall submit the Performance Bank Guaranty (PBG) within fourteen days. The Bid Security deposited along with the tender shall be refunded to the bidder after signing of the agreement.
- 12.2 The PBG shall be valid for the period of the contract period + 6 Months.
- 12.3 An agreement based upon the terms and conditions mentioned in this document shall be signed after submission of PBG.
- 12.4 ITI may at any time during the progress of work, ask for an additional Material Security in the form of Bank Guaranty (BG) if it feels the PBG security to be insufficient to mitigate the risk of the value of the Supplies made to the SI. This action shall be initiated once it is established that there is a difference of more than 20% quantity in the material issued and laid.

13. FORCE MAJEURE:

- 13.1 If any time, during the continuance of this contract, the performance in whole or in part by either party or any obligation under this contract shall be prevented or delayed by reason of any war, or hostility, acts of the public enemy, civil commotion sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (Herein after referred to as events) provided notice of happenings of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any such claim for

Read, understood and complied with

Signature of the Bidder

damages against the other in respect of such non-performance and work under the contract shall be resumed as soon as practicable after such event may come to an end or cease to exist, and the decision of the ITI as to whether the work has been so resumed or not shall be final and conclusive, provided further that if the performance, in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may, at his option terminate the contract.

- 13.2 Provided also that if the contract is terminated under this clause, the ITI shall be at liberty to take over from the SI at a price to be fixed by the ITI, which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in the course of execution of the contract, in possession of the SI at the time of such termination of such portions thereof as the ITI may deem fit excepting such materials, bought out components and stores as the SI may with the concurrence of the ITI select to retain.

14. ARBITRATION:

14.1 ARBITRATION (Applicable in case of supply orders/Contracts with firms, other than Public Enterprise) (Not applicable in cases valuing less than Rs. 5 lakhs)
Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, in connection with construction, meaning, operation, effect, interpretation of the contract or breach thereof which parties unable to settle mutually, the same shall be referred to Arbitration as provided hereunder:

- i. A party wishing to commence arbitration proceeding shall revoke Arbitration clause by giving 60 days' notice to the designated officer of the other party. The notice invoking arbitration shall specify all the points of disputes with details of the amount claimed to be referred to arbitration at the time of invocation of arbitration and not thereafter. If the claim is in foreign currency, the claimant shall indicate its value in Indian Rupee for the purpose of constitution of the arbitral tribunal.
- ii. Neither party shall appoint its serving employee as arbitrator.
- iii. If any of the Arbitrators so appointed dies, resigns, becomes incapacitated or withdraws for any reason from the proceedings, it shall be lawful for the concerned party/arbitrators to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left it both parties' consent for the same; otherwise, he shall proceed de novo.
- iv. Parties agree that neither party shall be entitled for any pre-reference or pendente-lite interest on its claims. Parties agree that any claim for such interest made by any party shall be void.
- v. Unless otherwise decided by the parties, Fast Track procedure as prescribed in Section 29 B of the Arbitration Conciliation Act, 1996 and amended in 2015 for resolution of all disputes shall be followed, where the claim amount is upto Rs.5 Crores.
- vi. The Arbitration proceeding shall be held at Bengaluru.
- vii. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 amended in 2015 and any statutory modifications or re-enactment thereof shall apply to the arbitration proceedings under this clause.

15. SET OFF:

Any sum of money due and payable to the SI (including security deposit refundable to him) under this contract may be appropriated by the purchaser or the ITI or any other person(s) contracting through the ITI and set off the same against any claim of the Purchaser or ITI or such other person or person(s) for payment of a sum of money arising SI security deposit is set off against any claim of the purchaser or ITI or out of this contract or under any other contract made by the SI with the Purchaser or ITI or such other person(s) contracting through the ITI. In case of set off of the security deposit against any claim of the purchaser or ITI or such other person or person(s) for payment of a sum of money arising out of this contract or under any other contract made by the SI with the Purchaser or ITI or such other person(s) contracting through the ITI, the GST on such set off will be borne by the SI. GST would not be liable on security deposit. But if such other person or person(s) for payment of a sum of money arising out of this contract or under any other contract made by the SI with the Purchaser or ITI or such other person(s) contracting through the ITI, then GST would be levied on such amount as being set off.

16. Indemnity:

The SI shall fully indemnify and defend ITI and its representatives & employees and hold ITI, its representatives, employees harmless from the following: -

- 16.1 Damages and losses caused by its negligent or intentional act or omission or any damages and losses caused by the negligent act of any third party or agency engaged by the SI.
- 16.2 Damages or compensation payable at law in respect of or in consequence of any accident or injury to any workman or other person engaged by SI.
- 16.3 Damages and losses resulting from the non-compliance with the established obligations; Third Party claim against ITI or its nominated agency that any Deliverables/Services/Equipment provided by the SI infringes a copyright, trade secret, patents or other intellectual property rights of any third party in which case the SI shall defend such claim at its expense and shall pay any costs or damages that may be finally awarded against ITI or its nominated agency.
- 16.4 If any Deliverable is or likely to be held to be infringing, the SI shall at its expense and option either (i) procure the right for ITI to continue using it, or (ii) replace it with a non-infringing equivalent, or (iii) modify it to make it non-infringing.
- 16.5 Any environmental damages caused by it and/or its representatives or employees or employees of any third party or agency engaged by the SI;
- 16.6 Abundant care shall be taken by the SI to ensure safety of all the patrons, public persons and work force employed or associated during the execution of the project from the ill effects of epidemics like COVID-19 by taking all necessary precautionary measures as stipulated by the Local agencies and the Government and also comply the SOP issued by Ministry of Home Affairs.
- 16.7 Breach (either directly by it or through its representatives and/or employees) of any representation and guarantee declared herein by it;
- 16.8 From any and all claims, actions, suits, proceedings, taxes, duties, levies, costs, expenses, damages and liabilities, including attorney's fees, arising out of, connected with, or resulting from or arising in connections with the services provided due to neglect omission or intentional act.

Read, understood and complied with

Signature of the Bidder

16.9 Any liability or penalty (including taxation issues) which may be imposed by the Central, State or Local Authorities.

17. Liability of the SI towards the Purchaser:

17.1 Except in case of gross negligence or wilful misconduct on the part of the SI or on the part of any person or company acting on behalf of the SI in carrying out the Services, the SI, with respect to damage caused by the SI to ITI resulting in bodily injury, death or damage to physical property with respect to all claims arising under this Contract, shall in aggregate not be liable to ITI:

- i. For any indirect or consequential loss or damage; and
- ii. For any direct loss or damage that exceeds the total payments payable under this contract to the SI hereunder.

17.2 This limitation of liability shall not affect the SI liability, if any, for direct damage to Third Parties resulting in bodily injury, death or damage to physical property caused by the SI or any person or firm/company acting on behalf of the SI in carrying out the Services. Notwithstanding anything stated to the contrary in the tender, Limitation of liability, including for direct damage to Third Parties, shall be to the extent of 100% of the total cost of the project calculated up to and as on the date when such section / clause is required to be invoked.

18. Confidentiality:

18.1 The SI shall not use Confidential Information, the name or the logo of the ITI except for the purposes of providing the Service as specified under this Tender.

18.2 The SI shall not, either during the term or after expiration of this Contract, disclose any proprietary or confidential information relating to the Services, Contract architecture, User's deployment/Link details or other plans and operations at all to any network third party.

19. Suspension of Work:

19.1 The SI shall, if ordered in writing by the ITI, temporarily suspend the works or any part thereof for such a period and such a time as ordered, then SI shall not be entitled to claim compensation for any loss or damage sustained by him by reason of temporary suspension of the works as aforesaid but shall be eligible for the payment (of products/services delivered and accepted as per the instructions of ITI) during the suspension period as per contract.

19.2 An extension of time for completion, corresponding with the delay caused by any such suspension of the works as aforesaid shall be granted to the SI after having due concurrence of end user, if request for same is made and that the suspension was not consequent to any default or failure on the part of the SI.

19.3 In case the suspension of works is not consequent to any default or failure on the part of the SI and lasts for a period of more than 2 months, the SI shall have the option to request the ITI to terminate the Contract with mutual consent.

20. No Assignment:

The SI shall not transfer any interest, right, benefit or obligation under this Contract without the prior written consent of the ITI.

21. Successors:

- 21.1 This contract is personal to SI and shall not be assignable by SI without the prior written consent of ITI.
- 21.2 SI shall not appoint subcontractors to perform any part of the Services under the agreement, without ITI's prior written consent.
- 21.3 ITI may assign its rights under this Agreement, without the prior consent of SI, to any successor in interest to ITI, whether by way of merger, reorganization or sale of assets (including any sale of a line of business).
- 21.4 This Agreement shall inure to the benefit of and be binding upon ITI and its successors or assigns.

22. Integrations:

SI shall at all times carry out his scope of work and implementation of the project in a close integration with ITI and the USER and their representatives.

23. Survival:

The provisions of the clauses of this Contract in relation to documents, property, Intellectual Property Rights, indemnity, publicity and confidentiality and ownership survive the expiry or termination of this Contract and in relation to confidentiality, the obligations continue to apply unless the ITI notifies the SI of its release from those obligations.

24. Entire Contract:

The terms & conditions laid down in the RFP and all the annexures thereto as also the Bid and any attachments/annexes thereto shall be read in consonance with and form an integral part of this Contract. This Contract supersedes any prior Contract, understanding or representation of the Parties on the subject matter.

25. Severance:

In the event any provision of this Contract is held to be invalid or unenforceable under the applicable law, the remaining provisions of this Contract shall remain in full force and effect.

26. Publicity:

The SI shall not make or permit to be made a public announcement or media release about any aspect of this Contract unless the ITI first gives the Bidder/SI its written consent.

27. Waiver:

- 27.1 Any waiver of any provision of this Contract is ineffective unless it is in writing and signed by the Party waiving its rights.
- 27.2 A waiver by either Party in respect of a breach of a provision of this Contract by the other Party is not a waiver in respect of any other breach of that or any other provision.
- 27.3 The failure of either Party to enforce at any time any of the provisions of this Contract shall not be interpreted as a waiver of such provision.

28. Modification:

Any modification of this Contract shall be in writing and signed by an authorized representative of each Party.

29. Time is of Essence:

Time shall be of the essence in respect of any date or period specified in this Tender or any notice, demand or other communication served under or pursuant to any provision of this Tender and in respect of the completion of the Services by the SI by the completion date.

30. Access to Premises:

From time to time SI or its employees may access Sites to deliver or install Materials or perform Services. SI shall fully familiarize itself with ITI and end users applicable customer's safety, security and conduct rules and regulations at any site. SI shall take appropriate care of any property owned by ITI and its less than that taken by SI with respect to its own similar property (but in no event shall less than due care be employed) and SI shall be responsible for any loss of, or damage to, such property while in the custody, care or control of SI.

31. Construction and Interpretation of Agreement:

The language in all parts of this Agreement shall in all cases be construed simply, as a whole and in accordance with its fair meaning and not strictly for or against any Party. The SI hereto acknowledges and agree that it has been given the opportunity to independently review this tender with legal counsel, and that SI has the requisite experience and sophistication to understand, interpret and agree to the particular language of the provisions hereof. Accordingly, in the event of an ambiguity in or dispute regarding the interpretation of this this tender or the contract emanating as its result, shall not be interpreted or construed against ITI.

32. Governing Law:

This Contract shall be governed in accordance with the laws of India.

33. Jurisdiction of Courts:

The courts of India at Bengaluru have exclusive jurisdiction to determine any proceeding in relation to this Contract.

----- **END OF SECTION IV** -----

Read, understood and complied with

Signature of the Bidder

SECTION V: SPECIAL CONDITIONS OF THE TENDER

1. GENERAL:

- 1.1 The ITI reserves the right to disqualify such bidders who have a record of not meeting contractual obligations against earlier contracts entered into with the ITI.
- 1.2 The ITI reserves the right to black list a bidder for a suitable period in case he fails to honour his bid or submits false certificates or false bank instruments to defraud ITI and to faultier ITI's bidding process. Such black listing or disqualification order would be for a minimum period of one year and maximum for three years.
- 1.3 No consortium SI shall be allowed.
- 1.4 The ITI reserves the right to counter offer price(s) against price(s) quoted by any bidder.
- 1.5 Any clarification issued by ITI, in response to query raised by prospective bidders shall form an integral part of bid documents and it may amount to amendment of relevant clauses of the bid documents.
- 1.6 All works to be done under the contract shall be executed as per the direction and subject to the approval in all respects of the Designated Officer or Site Engineer in-charge who shall be entitled to direct at what point or points and what manner they are to be commenced.
- 1.7 The work shall be accepted only after Acceptance Testing carried out by BSNL/TCS as per prescribed testing schedule and passing the inspection test successfully.
- 1.8 If the SI shall desire an extension of time for completion of the work on the grounds of unavoidable hindrance in execution of work or any other ground, he shall apply in writing to the Designated Officer on the same day of occurrence of hindrance on account of which he desires such extension as aforesaid. In this regard the decision of ITI shall be final.
- 1.9 If at any time after the commencement of the work, ITI feels that execution of whole or part of work, as specified in the tender is not required to be carried out, then the ITI shall give notice in writing of the fact to the SI who shall have no claim to any payment of compensation whatsoever on account of any profit or advantage which he might have derived in consequence of the full amount of the work not having been carried out neither shall he have any claim for compensation by reason of any alterations having been made in the original specifications, drawings, designs and instructions which shall involve any curtailment of the work as originally contemplated.
- 1.10 After the work commences, the SI or his authorized representative(s) shall always be present at the site. The representative shall be authorized by the Designated Officer in-charge
- 1.11 If the work is not progressing as per the schedule, the work may be either restricted or terminated.
- 1.12 The fact that the SI is working simultaneously in more sites in the same circle or in other circle, will not absolve him from the responsibility of completing the work in time allocated for the ordered site.

2. TAXES AND DUTIES:

SI shall pay all rates, levies, fees royalties, taxes and duties payable or arising from out of, by virtue of or in connection with and/or incidental to the contract or any of the obligations of the parties in terms of the contract documents and / or in respect of the works or operations or any part thereof to be performed by the SI and the SI shall indemnify and keep indemnified the ITI from and against the same or any default by the

Read, understood and complied with

Signature of the Bidder

SI in the payment thereof. However, service tax (GST) shall be paid extra by ITI as applicable.

3. AWARD OF CONTRACT & DISTRIBUTION OF WORK:

- 3.1 ITI shall award the contract to the L-1 bidder, whose offer has been found technically, commercially, and financially acceptable and who meets all the eligibility and qualification requirements specified in the tender documents.
- 3.2 The L-1 bidder shall be the bidder who's overall quoted rates is the Lowest among the technically and commercially acceptable bidders. However, the competitiveness, reasonableness, and genuineness of the L-1 quoted rates shall be an overriding consideration before acceptance of such offer. ITI reserves the right to seek clarification, justification, supporting details, or price/rate break-up from the L-1 bidder and may make efforts to negotiate and arrive at a competitive and reasonable rate.
- 3.3 The determination of L-1 shall be based strictly on the evaluation methodology and parameters specified in the tender document. Any arithmetical errors, deviations, or discrepancies in the financial bid shall be dealt with in accordance with the provisions of the tender.
- 3.4 ITI reserves the right to verify the rates quoted by the L-1 bidder with reference to prevailing market conditions, recent contracts/orders, applicable benchmarks, input costs, and other relevant commercial considerations. Where the quoted rates are considered unreasonably high, unrealistic, or otherwise not commensurate with prevailing conditions, ITI may seek suitable revision/justification before final acceptance.
- 3.5 In the event the L-1 bidder fails to provide satisfactory justification for the quoted rates, declines to accept the commercially reasonable rates determined by ITI, or fails to comply with any material condition of the tender, ITI reserves the right to reject the offer and proceed with the next eligible bidder, in accordance with the tender conditions.
- 3.6 The award of contract shall be subject to the approval of the competent authority of ITI. ITI reserves the right to accept or reject any offer, in whole or in part, or to annul the tender process, without assigning any reason, in accordance with the applicable rules, policies, and terms of the tender.
- 3.7 No bidder shall have any right to claim award of the contract merely on the basis of being determined as L-1. The final award shall be subject to successful completion of the evaluation, due diligence, negotiations, approvals, and fulfilment of all contractual and statutory requirements prescribed by ITI.
- 3.8 Should there be an eventuality that the pace of progress is not coming from the deployed SI(s) in any of the work and the LDs are mounting towards outer limits, ITI shall reason to awarding the whole or part of such work to alternate SI at Risk & Cost which may be chosen from amongst the bidders who were technically qualified in the process of this very tender for the work under consideration by inviting separate competitive financial bids for such pending work from such interested companies. Cost escalation if happens in this process, shall be recoverable from the faltering SI(s) of such work.
- 3.9 Procuring entity reserves the right to vary the quantities at the time of award.

----- END OF SECTION V -----

Read, understood and complied with

Signature of the Bidder

SECTION VI- COMMERCIAL TERMS

Financial Bid Format: Zone 1 (Chhattisgarh, Gujarat, Madhya Pradesh)

1a. PH IX.2 sites

Sr.	Activity	Percentage to be claimed	Milestone achievement to claim	Site Count	Unit Rate (Plain Site)	Total Cost
1	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	100%	RFI report accepted by TCS in DiA portal	433		
a	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	100%	Installation report accepted by TCS on DiA portal	433		
b	EMF (Calculation) submission	100%	NEP portal submission	433		
c	SCFT Completion	100%	SCFT report acceptance by TCS	433		
d	1 month O&M (After AT Successful)	100%	BSNL AT acceptance	433		
e	Post AT Revisits	100%	TOC	433		
f	Part configuration of CAT B	100%	report accepted by TCS in DiA portal	281		
2.	Basic					
	GST %					
	GST Amount					
	Total Amount (Including GST)			1A		

Read, understood and complied with

Signature of the Bidder

1b. DBN-USOF sites

Sr.	Activity	Percentage to be claimed	Milestone achievement to claim	Site Count	Unit Rate (Plain Site)	Total Cost
1a	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	100%	RFI report accepted by TCS in DiA portal	1414		
b	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	100%	Installation report accepted by TCS on DiA portal	1414		
c	EMF (Calculation) submission	100%	NEP portal submission	1414		
d	SCFT Completion	100%	SCFT report acceptance by TCS	1414		
e	1 month O&M (After AT Successful)	100%	BSNL AT acceptance	1414		
f	Post AT Revisits	100%	TOC	1414		
2	Cat A to B Conversion	100%	Installation report ,accepted by TCS on DiA portal	281		
	Basic Amount					
	GST %					
	GST Amount					
	Total Amount (Including GST)			1B		

Read, understood and complied with

Signature of the Bidder

Financial Bid Format: Zone 2 (MH & Mumbai)

2a. PH IX.2 sites

Sr.	Activity	Percentage to be claimed	Milestone achievement to claim	Site Count	Unit Rate (Plain Site)	Total Cost
1 a	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	100%	RFI report accepted by TCS in DiA portal	4467		
b	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	100%	Installation report accepted by TCS on DiA portal	4467		
c	EMF (Calculation) submission	100%	NEP portal submission	4467		
d	SCFT Completion	100%	SCFT report acceptance by TCS	4467		
e	1 month O&M (After AT Successful)	100%	BSNL AT acceptance	4467		
f	Post AT Revisits	100%	TOC	4467		
2.	Part configuration of CAT B	100%	report accepted by TCS in DiA portal	133		
	Basic					
	GST %					
	GST Amount					
	Total Amount (Including GST)			2A		

Read, understood and complied with

Signature of the Bidder

2b. DBN-USOF sites

Sr.	Activity	Percentage to be claimed	Milestone achievement to claim	Site Count	Unit Rate (Plain Site)	Total Cost
1a	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	100%	RFI report accepted by TCS in DiA portal	885		
b	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	100%	Installation report accepted by TCS on DiA portal	885		
c	EMF (Calculation) submission	100%	NEP portal submission	885		
d	SCFT Completion	100%	SCFT report acceptance by TCS	885		
e	1 month O&M (After AT Successful)	100%	BSNL AT acceptance	885		
f	Post AT Revisits	100%	TOC	885		
2	Cat A to B Conversion	100%	Installation report ,accepted by TCS on DiA portal	133		
	Basic Amount					
	GST %					
	GST Amount					
	Total Amount (Including GST)			2B		

Note:

1. Tenders for Zone-1 and Zone-2 will be evaluated separately.
2. For Zone-1, the L1 bid will be evaluated based on the total cost of 1A+1B. Similarly, for Zone-2, the L1 bid will be evaluated based on the total cost of 2A+2B.

Read, understood and complied with

Signature of the Bidder

1. List of Activities:

- 1.1 Bids not having quote as per the financial bid format, shall be termed as incomplete and liable for rejection.
- 1.2 Lowest offered rates would be the reference value for the Reverse auction.
- 1.3 Further the bidders will be allowed to participate in the reverse auction based on the Lowest rates (L1).
- 1.4 After minimum number of iterations, the bidder who quotes Lowest rate would be declared as the L1 Bidder.
- 1.5 The prices for the activities to be quoted for these items also.

1.5.1 Rate Card Items

S.No	Category	Activity Details	Measure	Price	Remarks
1	RAN	RF Planning	Per Site		
2	RAN	RAN Site Survey	Per Site		
3	RAN	SCFT- Single technology	Per Site		
4	RAN	SCFT- Dual technology	Per Site		
5	RAN	Cluster Optimization	Per Site		
6	RAN	EMF Testing (Broadband Testing)	Per Site		
7	RAN	SACFA Report Submission (RF + MW)	Per Site		
8	RAN	RFI Survey for Complete existing infra and upgrade for 4G	Per Site		
9	RAN	Antenna Deinstallation at site only (1 Nos)	Per Site		
10	RAN	RRH Deinstallation at site only (1 Nos)	Per Site		
11	RAN	Antenna Deinstallation at site only (2 Nos)	Per Site		
12	RAN	RRH Deinstallation at site only (2 Nos)	Per Site		
13	RAN	Antenna Deinstallation at site only (3 Nos)	Per Site		
14	RAN	RRH Deinstallation at site only (3 Nos)	Per Site		
15	RAN	BBU Replacement	Per Unit		
16	RAN	RAC Card Replacement	Per Unit		
17	RAN	RRH replacement	Per Unit		
18	RAN	CW Test	Per Site		

2. Payment Terms

Optional /Mandatory services		Unit	Activity bifurcation for Invoicing	Payment Milestone
RFI Survey for Complete existing infra and upgrade for 4G with Survey Report	Mandatory	Per Site	RFI report accepted by TCS in DiA portal	100%
I&C (as per SOW document) and Successful AT Report Submission with TOC (Take over certificate given by BSNL)	Mandatory	Per Site	Installation report accepted by TCS on DiA portal	100% (on completion of both activities)
EMF (Calculation))+ SACFA submission	Mandatory	Per Site	NEP portal submission	
SCFT (Successful RF AT Report Submission with TOC)	Mandatory	Per Site	SCFT report acceptance by TCS	100%
1 Month O&M (After AT Successful)	Mandatory	Per Site	BSNL AT acceptance	100% (on completion of both activities)
Post AT Revisits	Mandatory	Per Site	TOC	

All items of work involved in the work order shall be completed in all respects before making claim for payment. The details of payment of bills is enumerated as under:

- 2.1 Payment shall be made on back to back basis with TCS payments to ITI.
- 2.2 Payment shall be made after deducting the statutory deductions, SD and LD, if any imposed by TCS/BSNL/ITI, on the basis of invoice and supporting documents submitted by SI.
- 2.3 The Unit Price/Service Fee Rate excludes Goods and Services Tax (GST) which shall be paid extra, as applicable. However, where supply is to SEZ Unitholder Facility, GST is not chargeable on the invoice. It is SI responsibility to file Bond or letter of undertaking for supply of Goods/Services to SEZ without GST.
- 2.4 Unit Price/Service Fee shall be applied for any variation (upwards or downwards) in quantities of individual items forming part of addition or reduction in the scope of Services rendered and considered in the invoices for Supply of Services.

Read, understood and complied with

Signature of the Bidder

3. Delays and Liquidated Damages (LD)

- 3.1 If any delay in the work completion, ITI has the right to impose the LD @ 0.5% per week up to 12 weeks and thereafter 1.0% per week up to 6 weeks and a max of 12% against each line item irrespective of TCS/BSNL imposes the LD.
- 3.2 LD if any imposed by BSNL/TCS shall be completely passed on to SI on back to back basis. (If BSNL/TCS imposes LD, the clause 3.1 shall not be applicable)
- 3.3 And also ITI has the right to impose the LD @ 0.5% per week up to 12 weeks and thereafter 1.0% per week up to 6 weeks and a max of 12% against each line item.
- a. Delay by the SI in the performance of its delivery obligations with reference to I&C
 - b. Services shall render the SI liable to any or all of the following sanctions: -
 - 1. forfeiture of its performance security
 - 2. imposition of liquidated damages
 - 3. short closure of Agreement in part or full and/or termination of the Agreement for default.
 - b. The SI shall adhere to the project execution schedule given in the purchase order/ contract. In the event of SI's failure to perform as per the milestones specified, SI shall be liable to liquidated damages. ITI shall be entitled to recover such liquidated damages in line with BSNL Tender LD terms & conditions vide ref (BSNL TE No.MM/CM/GSM-Ph-IX.2/T-744/2022 issued on 22/10/2022).
 - c. The payment of liquidated damages shall not relieve SI from the obligation to deliver the Solution. The aforesaid liquidated damages shall be the exclusive compensation for any delay. ITI shall be automatically entitled to immediately terminate this Agreement or any part thereof.
 - d. In the case of turnkey project sites service obligations, for the purpose of assessment of liquidated damages if any, a delay in supply of services as defined in SOW will be assessed to the extent to which it has RF deployment services hampered overall Project delays, element, or entity to which it is associated. When the delayed portion of the supply/services is found to have materially hampered installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the Purchase Order of concerned service package and the indirectly impacted sub- system/systems.
 - e. The total value of the liquidated damages as per the above sub-clauses shall be limited to a maximum of 12% (Twelve percent of the Contract Value) and ITI Reserves the right to cancel and terminate the services as the case may be.

WARRANTY: The SI shall warrant that the Services shall be performed in a professional and competent manner and shall meet the quality and specifications accuracy and completeness in respect of the Services as set out in SOW /relevant Work Order. If ITI determines that the warranty stated in this clause has been breached, ITI will notify such alleged breach in writing to the SI with all details and supporting documents, no later than fifteen (15) days following the date of any such alleged breach. SI will promptly correct or rectify any such breach at its own expense if any proven breach of this warranty occurred and the same is not attributable to ITI.

3.4 Continuity of Work:

1. In the event of any delay in payment by the Customer, the Vendor/Partner shall not suspend, stop, slow down, or otherwise discontinue the Works, nor shall such delay in payment be used as a basis to affect, restrict, or impede the ongoing progress of the Works. The Vendor/Partner shall continue to perform and complete the Works in accordance with the agreed scope, specifications, quality standards, and stipulated timelines.
2. Any payment-related dispute, delay, or disagreement shall be dealt with and resolved separately between the Parties and shall not be linked to, or have any adverse impact on, the ongoing execution, progress, or completion of the Works. The Vendor/Partner shall maintain continuity of the Works and remain responsible for taking all reasonable measures necessary to ensure that the Works progress without interruption and are completed within the stipulated timeline.

4. ISSUE OF WORK ORDERS AND DELIVERY SCHEDULE:

SI&C Service delivery schedule shall as per the BSNL File No. BSNLCO-MMP/13(14)/3/2022-MMP-Part(2) dated 13/08/2026 vide PO No. MM-CM/PO/008/2026-27 dated 12.07.2026 for DBN sites & PO No.MM-CM/PO/010/2026-27 dated 14.07.2026 for IX.2 sites and PO Amendment, dated 13.08.2026 issued for the above mentioned PO's.

- 4.1 Single PO will be issued for entire scope of work. However, delivery timelines as mentioned at Annexure – I have to be followed on intimation of sites readiness by project team.
- 4.2 Purchase Order will specify the details of rendering of Services at the ITI Facility/BSNL Sites and shall be completed as per timelines mutually agreed and set out in the Purchase Order respectively and agreed between the parties as per “SOW” at Annexure-I.
- 4.3 The ITI reserves the right to cancel or modify the scope of work stipulated to be carried out against the work order in the event of change of plan necessitated on account of technical reasons or in the opinion of work order issuing authority or competent authority, the SI is not executing the work at the required pace.

Read, understood and complied with

Signature of the Bidder

4.4 Delivery timelines shall be followed as per the work execution plans of the Customer (BSNL) and not as per the convenience of the SI.

All the documents to be submitted separately with each bid for each irrespective of bidder being common. ITI or its nominee reserves the right to cross check / validate the authenticity of the documents submitted and the information provided in the Pre-qualification and Eligibility criteria. The requisite support to prove the claims must be provided by the Bidder failing which the supporting document shall be taken as not proved followed with attached consequences of false claim.

-----END OF SECTION VI-----

Tender Ref No:

Dated:

BID SECURITY DECLARATION FORM

<Letter head of the bidder>

<Date>

To
ITI LIMITED,
Bangalore

I/We, the undersigned, declare that:

I/We understand that bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity or its extended period, if any; or

b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity

(i) fail or reuse to execute the contract, if required, or

(ii) fail or refuse to furnish the Performance Bank Guarantee, in accordance with the Instructions to Bidders.

c) If the bidder is found indulging in any corrupt, fraudulent or other malpractice in respect of the bid;

or

d) If there is a discrepancy between words and figures quoted by the bidder and the bidder does not accept that the amount in words prevails over amount in figure.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed:

(Insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration) Name:

(Insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder) Dated on _____ day of _ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a consortium, the Bid Securing Declaration must be in the name of all partners to the consortium that submits the bid)

ANNEXURE-VI

EMD BANK GUARANTEE PROFORMA

1. As agreed under the relevant terms and conditions of Enquiry Ref _____ dt _____ (hereinafter called the said Enquiry) between M/s. ITI Ltd., NS Unit, Dooravani Nagar, Bengaluru-560016, India. (Hereinafter called the Purchaser) and M/s. _____ (hereinafter called the Bidder) for supply of _____, the Bidder hereby agrees to furnish EMD against supply performance by way of an irrevocable Bank Guarantee for Rs. _____ (Rupees. _____). We _____ (indicate the name of Bank) (hereinafter referred to as 'THE BANK' at the request of the Bidder do hereby undertake to pay to the Purchaser, an amount not exceeding Rs. _____ (Rupees. _____) against any loss or damage caused to or suffered or would be caused to or suffered by the Purchaser, by reasons or breach by the said Bidder of any of the terms or conditions contained in the said Enquiry.
2. We _____ (indicate the name of the Bank) do hereby undertake to pay the amount due and payable under this Guarantee without any demur, merely on a demand from the Purchaser stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Purchaser, by reason of breach by the said Bidder of any of the terms and conditions contained in the said Enquiry or by reason of the Bidder's failure to perform the said Enquiry. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees. _____).
3. The Bank further agrees that the Purchaser shall be the sole judge as to whether the said Bidder has committed any breach or breaches of any of the terms and conditions of the contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the Purchaser on account thereof, and the decision of the Purchaser that the said Bidder has committed such breach or breaches and as to the amount or amounts of loss, damage costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the Purchaser from time to time shall be conclusive, final and binding on the Bank.
4. We undertake to pay to the Purchaser, any money so demanded notwithstanding any dispute or disputes raised by the Bidder in any suit or proceedings pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.
5. It shall not be necessary for the Purchaser to proceed against the Bidder before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank notwithstanding any security which the Purchaser may have obtained or obtains from the Bidder.
6. We _____ (indicate the name of Bank) further agree with the Purchaser, that the Purchaser shall have

the fullest liberty without our consent and without effecting in any manner our obligation hereunder to vary any of the terms and conditions of the said Enquiry or to extend time of performance by the said Bidder from time to time or to postpone for any time or from time to time any of the powers exercisable by the Purchaser against the said Bidder and to forbear or enforce any of the terms and conditions relating to the said Enquiry and we shall not be relieved from our liability by reasons of any such variation, or extension being granted to said Bidder or for any forbearance, act or omission on the part of the Purchaser or any indulgence by the Purchaser, to the said Bidder or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

7. This Guarantee will not be discharged due to the change in the constitution of the Bank or the Bidder.

8. We _____(indicate the name of Bank) undertake not to revoke this Guarantee during its currency except with the previous written consent of the Purchaser, in writing.

9. Notwithstanding anything contained in the foregoing clauses, our liability under this guarantee is restricted to Rs. _____(Rupees. _____) and our guarantee shall remain in force until _____(Date of expiry of Bid validity). Unless a demand is made against us to enforce a claim under this guarantee within three months from the date of expiry of Bid validity, all your rights under this guarantee shall be forfeited and we shall be relieved and discharged from all liability hereunder.

PLACE:

For _____(indicate the name of Bank)

DATE:

BANK GUARANTEE PROFORMA

1. As agreed under the relevant terms and conditions of Purchase Order Ref dt (hereinafter called the said Purchase Order) between M/s. ITI Ltd., NS Unit, Dooravaninagar, Bangalore-560 016, India. (Hereinafter called the purchaser) and M/s. (Hereinafter called the supplier) for supply of

..... the supplier hereby agrees to furnish a security Deposit against supply performance by way of an irrevocable Bank Guarantee for Rs..... (Rupees8.....) We..... (indicate the name of Bank)

(hereinafter referred to as 'THE BANK' at the request of the supplier do hereby undertake to pay to the purchaser, an amount not exceeding Rs. (Rupees.)

against any loss or damage caused to or suffered or would be caused to or suffered by the Purchaser, by reasons or breach by the said supplier of any of the terms or conditions contained in the said Purchase Order.

2. We (indicate the name of the Bank) do hereby undertake to pay the amount due and payable under this Guarantee without any demur, merely on a demand from the purchaser stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the purchaser, by reason of breach by the said supplier of any of the terms and conditions contained in the said Purchase Order or by reason of the supplier's failure to perform the said Purchase Order. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee shall be restricted to an amount not exceeding Rs..... (Rupees.)

3. The Bank further agrees that the Purchaser shall be the sole judge as to whether the said Supplier has committed any breach or breaches of any of the terms and conditions of the contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the Purchaser on account thereof, and the decision of the Purchaser that the said Supplier has committed such breach or breaches and as to the amount or amounts of loss, damage costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the Purchaser from time to time shall be conclusive, final and binding on the Bank.

4. We undertake to pay to the Purchaser, any money so demanded notwithstanding any dispute or disputes raised by the Supplier in any suit or proceedings pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

5. It shall not be necessary for the Purchaser to proceed against the Supplier before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank notwithstanding any security which the Purchaser may have obtained or obtains from the Supplier.

6. We (indicate the name of Bank) further agree with the Purchaser, that the Purchaser shall have the fullest liberty without our consent and without effecting in any manner our obligation hereunder to vary any of the terms and conditions of the said Purchase Order or to extend time of performance by the said

Supplier from time to time or to postpone for any time of from to time any of the powers exercisable by the Purchaser against the said Supplier and to forbear or enforce any of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by reasons of any such variation, or extension being granted to said Supplier or for any forbearance, act or omission on the part of the Purchaser or any indulgence by the Purchaser, to the said Supplier or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

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

8. We (indicate the name of Bank) undertake not to revoke this Guarantee during its currency except with the previous written consent of the Purchaser, in writing.

9. Notwithstanding anything contained in the foregoing clauses, our liability under this guarantee is restricted to Rs.....(Rupees.....) and our guarantee shall remain in force until (Date of expiry of warranty period + 60 Days). Unless a demand is made against us to enforce a claim under this guarantee within twelve months from the date of expiry of warranty period, all your rights under this guarantee shall be forfeited and we shall be relieved and discharged from all liability hereunder.

PLACE:

DATE:

For (indicate the name of Bank)

ANNEXURE-VIII



हिंदी केवल एक भाषा नहीं बल्कि हमारी राष्ट्रीय पहचान है।

आईटीआई लिमिटेड

नेटवर्क सिस्टम्स यूनिट - वित्त
दुरवाणीनगर, बेंगलूरु - 560 016, भारत
फोन : +91 (80) 2566 0503
: +91 (80) 2565 1714
ई.मेल : cfm_nsu@itiltld.co.in
वेबसाइट : www.itiltld.in
CIN No. : L32202KA1950GOI000640

ITI LIMITED

Network Systems Unit - Finance
Dooravaninagar
Bengaluru-560 016, India.
Tel : +91 (80) 2566 0503
: +91 (80) 2565 1714
E-mail : cfm_nsu@itiltld.co.in
Website : www.itiltld.in
GSTIN No. : 29AAACI4625C2ZU



RTGS/NEFT/ECS Mandate Form

1	Name of the Beneficiary	M/s ITI Limited - Network Systems Unit
2	Beneficiary Address	Regd. & Corporate Office, ITI Bhavan, Dooravaninagar, Bangalore 560016
3	Bank Account No.	10637729843
4	IFSC Code	SBIN0009077
5	a) Bank Name	State Bank of India
	b) Branch Name	Industrial Finance Branch
	c) Branch Address	Residency Road, Bangalore - 560025
6	Type of Account	CC Account
7	PAN No.	AAACI4625C
8	Bank MICR Code	560002059

I do hereby declare that the particulars given above are correct and complete.
If the transaction is delayed or not effected at all for reasons of incomplete or
incorrect information, the purchaser will not be responsible.

Date: 12/06/2024

Kanchana

Authorised Signatories

KANCHANA
Dy. Finance Manager
Network Systems Unit,
ITI Limited, Dooravaninagar,
Bangalore - 560016

Certified that the particulars furnished above are correct as per our records.

प्रमाणित किया जाता है कि उपरोक्त विवरण हमारे रिकॉर्डों के अनुसार सही है।
FOR STATE BANK OF INDIA

Kamini
अधीक्षक प्रबंधक: Manager
ए.पी.ए.ए., दुरवाणीनगर, को.वि.वित्त, बेंगलूरु
I.P.B., BENGALURU - 560 025

Date:

Signature of Bank Manager

With Bank Seal

पंजीकृत एवं नियमित कार्यालय : आईटीआई भवन, दुरवाणीनगर, बेंगलूरु - 560016, भारत फोन : +91 (080) 2561 4466, फैक्स : +91 (080) 2561 7525
Registered & Corporate Office : ITI Bhavan, Dooravaninagar, Bengaluru - 560016, India Phone: +91(080) 2561 4466, Fax: +91(080) 2561 7525
TIN : 29980058837 GSTIN : 29AAACI4625C2ZU CIN : L32202KA1950GOI000640 Visit our Website : www.itiltld.in

ADDITIONAL INSTRUCTIONS FOR BIDDERS

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.

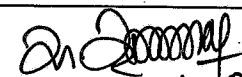
6. ASSISTANCE TO BIDDERS

- 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.
- 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. All payments should be done through e-Wizard Payment gateway

		PRICE BID FORMAT			ANNXURE C		
Zone 1 (Chhattisgarh, Gujarat, Madhya Pradesh) 1A - PH IX.2 sites							
Name & Address of the Bidder							
Sr.	Activity	Site Count	Unit Rate without GST	Total Amount	GST %	Total GST in INR	Total Cost with GST
a	b	c	d	e=cxd	f	g	h=e+g
1. (a)	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	433					
(b)	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	433					
(c)	EMF (Calculation) submission	433					
(d)	SCFT Completion	433					
(e)	1 month O&M (After AT Successful)	433					
(f)	Post AT Revisits	433					
2	Part configuration of CAT B	281					
Total Amount Including GST (1A)							
Note: 1. Relevant Columns to be filled with PERCENTAGE / NUMERICAL Values ONLY, ELSE will be treated as INCLUDED in FOR Site Total Price) Quoted Price is including of Packing/Forwarding charges (if any) and Freight/Insurance charges (if any). 2. Tenders for Zone-1 and Zone-2 will be evaluated separately. 3. For Zone-1, the L1 bid will be evaluated based on the total cost of 1A+1B. Similarly, for Zone-2, the L1 bid will be evaluated based on the total cost of 2A+2B. 4. Bidder has to quote for all the line items.							


 11/09/2026

₹		PRICE BID FORMAT				ANNXURE C	
Zone 1 (Chhattisgarh, Gujarat, Madhya Pradesh) 1B - DBN-USOF sites							
Name & Address of the Bidder							
Sr.	Activity	Site Count	Unit Rate without GST	Total Amount	GST %	Total GST in INR	Total Cost with GST
a	b	c	d	e=cxd	f	g	h=e+g
1. (a)	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	1414					
(b)	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	1414					
(c)	EMF (Calculation) submission	1414					
(d)	SCFT Completion	1414					
(e)	1 month O&M (After AT Successful)	1414					
(f)	Post AT Revisits	1414					
2	Part configuration of CAT B	281					
Total Amount Including GST (1B)							
Note: 1. Relevant Columns to be filled with PERCENTAGE / NUMERICAL Values ONLY, ELSE will be treated as INCLUDED in FOR Site Total Price) Quoted Price is including of Packing/Forwarding charges (if any) and Freight/Insurance charges (if any). 2. Tenders for Zone-1 and Zone-2 will be evaluated separately. 3. For Zone-1, the L1 bid will be evaluated based on the total cost of 1A+1B. Similarly, for Zone-2, the L1 bid will be evaluated based on the total cost of 2A+2B. 4. Bidder has to quote for all the line items.							


 11/09/2026

		PRICE BID FORMAT				ANNXURE C	
Zone 2 (MAHARASHTRA & Mumbai) 2A - PH IX.2 sites							
Name & Address of the Bidder							
Sr.	Activity	Site Count	Unit Rate without GST	Total Amount	GST %	Total GST in INR	Total Cost with GST
a	b	c	d	e=cxd	f	g	h=e+g
1. (a)	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	4467					
(b)	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	4467					
(c)	EMF (Calculation) submission	4467					
(d)	SCFT Completion	4467					
(e)	1 month O&M (After AT Successful)	4467					
(f)	Post AT Revisits	4467					
2	Cat A to B Conversion	133					
Total Amount Including GST (2A)							
Note: 1. Relevant Columns to be filled with PERCENTAGE / NUMERICAL Values ONLY, ELSE will be treated as INCLUDED in FOR Site Total Price) Quoted Price is including of Packing/Forwarding charges (if any) and Freight/Insurance charges (if any). 2. Tenders for Zone-1 and Zone-2 will be evaluated separately. 3. For Zone-1, the L1 bid will be evaluated based on the total cost of 1A+1B. Similarly, for Zone-2, the L1 bid will be evaluated based on the total cost of 2A+2B. 4. Bidder has to quote for all the line items.							


 11/09/2024

Em		PRICE BID FORMAT		ANNXURE C			
Zone 2 (MAHARASHTRA & Mumbai)2B - DBN sites							
Name & Address of the Bidder							
Sr.	Activity	Site Count	Unit Rate without GST	Total Amount	GST %	Total GST in INR	Total Cost with GST
a	b	c	d	e=cxd	f	g	h=e+g
1. (a)	RFI Survey for complete existing infra and upgrade for 4G with survey report & MRF submission	885					
(b)	I&C (as per SOW document) and successful AT Report submission with TOC - CAT B (Take over certificate given by BSNL)	885					
(c)	EMF (Calculation) submission	885					
(d)	SCFT Completion	885					
(e)	1 month O&M (After AT Successful)	885					
(f)	Post AT Revisits	885					
2	Cat A to B Conversion	133					
Total Amount Including GST (2B)							
Note: 1. Relevant Columns to be filled with PERCENTAGE / NUMERICAL Values ONLY, ELSE will be treated as INCLUDED in FOR Site Total Price) Quoted Price is including of Packing/Forwarding charges (if any) and Freight/Insurance charges (if any). 2. Tenders for Zone-1 and Zone-2 will be evaluated separately. 3. For Zone-1, the L1 bid will be evaluated based on the total cost of 1A+1B. Similarly, for Zone-2, the L1 bid will be evaluated based on the total cost of 2A+2B. 4. Bidder has to quote for all the line items.							

Dr. J. J. J. J.
11/09/2026