



**ITI LIMITED**

**Registered & Corporate Office**

**ITI Bhavan, Doorvaninagar**

**Bengaluru-560016**

**CIN No: L32202KA1950GOI000640**

**Expression of Interest for selection of  
Partners for Spectrum Monitoring  
System**

**EoI reference no.  
ITI/COR/P&T/EOI/SMS/2026/01**

**26 March 2026**

Issued by:

**AGM P&T  
ITI Bhavan,  
ITI Corporate Office  
Dooravaninagar  
Bengaluru, INDIA 560016**

**NOTICE FOR EXPRESSION OF INTEREST**  
**(EoI reference no. ITI/COR/P&T/EOI/SMS/2026/01)**

**1. INTRODUCTION**

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. With a robust pan-India footprint supported by diverse manufacturing plants and Marketing, Services, and Project (MSP) units, ITI serves a prestigious clientele including BSNL, BBNL, MTNL, the Defence sector, Paramilitary forces, Railways, Banks, and various Central and State Government departments. More information can be viewed on [www.itilttd.in](http://www.itilttd.in).

The company maintains a highly diversified product portfolio ranging from advanced telecommunications gear (GPON, 4G RAN, Wi-Fi Access Point) and secure Defence encryption units to essential infrastructure like Optical Fiber Cables and Smart Energy Meters, Solar Panels etc.

To further strengthen its strategic electronics portfolio and support the "Make in India" and "Atmanirbhar Bharat" initiatives, ITI Limited intends to expand its manufacturing and integration capabilities in the radio frequency (RF) domain. ITI wishes to empanel strategic **PARTNERS** to address market opportunities for the **Spectrum Monitoring Systems (SMS)**.

**2. IMPORTANT DATES**

<b>S.No.</b>	<b>Activity</b>	<b>Schedule</b>
<i>i</i>	<i>EoI Issue Date</i>	26:03:2026
<i>ii</i>	<i>Bidders Query last Date</i>	30:03:2026;17:30 Hrs
<i>iii</i>	<i>Upload of Reply to Bidder's query</i>	02:04:2026;15:00 Hrs
<i>iv</i>	<i>Due Date &amp; Time for Submission of Proposal through Uni Wizard</i>	04:04:2026;17:30 Hrs
<i>v</i>	<i>Date &amp; Time of opening of Proposals</i>	06:04:2026;15:00 Hrs

**3. PURPOSE**

The primary goal of this **PARTNER**ship is to immediately address high-value market opportunities, with a specific focus on the current tender for the Procurement of Spectrum Monitoring Systems for the Wireless

Monitoring Organisation (WMO). This collaboration is designed to follow a strategic, phased trajectory that ensures competitive bidding and successful project execution in the short term while systematically building ITI's internal manufacturing depth over time. The willing Tech Partners with proven products ready for ToT manufacture will be empaneled as ToT partners and any future requirements will be addressed competitively amongst the ToT manufacture partners.

In this regard, proposals are invited under e-tender mode from bidders having proven technological capabilities, including necessary certifications for complete "Spectrum Monitoring Systems (SMS)". The selected **PARTNER** shall enable ITI to address diverse market opportunities and later on to provide the necessary technological details (Hardware/Software) to manufacture, install, and commission Spectrum Monitoring Systems as per the terms & conditions enumerated below.

Bidders who have relevant experience in the following Categories can submit the proposal in all categories or any one or more of the categories:

Category 1: Spectrum monitoring System manufacturer

Category 2: System Integrator

#### **4. SCOPE OF WORK FOR PARTNER SELECTED IN CATEGORY 1**

- 4.1. The **PARTNER** must provide the necessary documentation and technical assurance to make the joint bid compliant with the Customer tender.
- 4.2. The **PARTNER** selected in the category 1 must provide a comprehensive, clause-by-clause technical compliance statement against all specifications detailed in the Annexure-V of this document
  - a) Hardware Compliance: Detailed specifications and performance data for Spectrum Monitoring Sensors (RMS), Zonal Monitoring Station (ZMS) equipment, and all associated Antenna Systems (Direction Finding and Omnidirectional). The **PARTNER** must ensure all hardware meets the environmental and ruggedness standards (e.g., MIL-STD-810H, IP65. The ToT will be limited to hardware with a combination of Completely Built Unit (CBU), SKD (Semi Knocked Down) and CKD (Completely Knocked Down) variants, as

appropriate to the mass manufacturing & Testing capabilities of ITI Ltd. Few of the sub-systems could be mentioned as Proprietary of the Tech Partner, which will not form part of ToT-Manufacture.

- b) Software Compliance: Documentation proving the capability of the software suites to perform measurements in strict accordance with the latest ITU-R recommendations. This must cover frequency, field strength, occupied bandwidth, modulation analysis, and 3GPP technology identification (GSM, LTE, 5G NR).

The software will be the proprietary of the Tech Partner. Only the executable files will be shared with ITI Ltd, as part of the ToT for loading to the system. Tech partner will be responsible for software life cycle management including customized value additions.

- c) Deviations: Any deviations from the tender specifications must be clearly identified, justified, and supplemented with "better-than" or "equivalent" technical alternatives that do not compromise the project's objectives.
- d) Verification: The **PARTNER** shall provide necessary data sheets, test reports, and third-party certifications to validate the compliance claims. In the event of a Technical Evaluation Committee (TEC) meeting or a Proof of Concept (PoC) requirement by the Customer, the **PARTNER** shall provide the necessary technical experts to support ITI in defending the compliance statement.

- 4.3. The **PARTNER** shall support ITI Limited in meeting the "Make in India" requirements. The **PARTNER** must ensure that the offered Spectrum Monitoring System (SMS) meets the minimum local content threshold. Preference will be given to **PARTNERS** who enable ITI to qualify as a Class-I Local Supplier (Local Content  $\geq 50\%$ ). At a minimum, the **PARTNER** must ensure the solution meets Class-II Local Supplier status (Local Content  $> 20\%$  but  $< 50\%$ ).The **PARTNER** must provide a Certificate from a Statutory Auditor/Cost clearly stating the percentage of local content.
- 4.4. The **PARTNER** must provide copy of all required quality and safety certifications (e.g., MIL-STD-810H, IP65 protection, and calibration certificates) as part of EoI submission.
- 4.5. **PARTNER** should be ready to conduct a successful demonstration or PoC of the offered system if required by ITI/Customer

- 4.6. **PARTNER** shall assist ITI in Supply of Core Components, System Integration, Installation & Commissioning to meet the customer timelines
- 4.7. Partner should provide Manufacturer Authorization form from a recognized client/customer.
- 4.8. The Strategic **PARTNER** shall provide a comprehensive onsite warranty as per Customer requirement from the date of final acceptance of the Spectrum Monitoring System (SMS) by the Customer. The warranty shall cover all hardware (Sensors, Antennas, Controllers) and software. The **PARTNER** must ensure that all supplied goods are brand new, the latest model, and incorporate all recent improvements in design and materials. In case of any defect or failure, the **PARTNER** must repair or replace the faulty component within 7 days of notification (ITI Ltd will be responsible for hardware faults manufactured at ITI Ltd and Tech Partner for non-ToT sub-systems). The **PARTNER** shall provide all software patches, bug fixes, and version upgrades (including ITU-R and 3GPP protocol updates) free of charge during the warranty period.
- 4.9. The **PARTNER** acknowledges that a primary objective of this empanelment is to enable ITI Limited to achieve self-reliance in the domain of Spectrum Monitoring Systems (SMS). The **PARTNER** hereby agrees, in principle, to a comprehensive and stepwise Transfer of Technology (ToT) to ITI Limited, should ITI elect to establish indigenous manufacturing lines for the product at a later stage. The ToT process shall be executed in a phased manner to ensure seamless knowledge absorption.
- 4.10. ITI shall absorb the technology at CBU/SKD/CKD level depending upon the requirement, through this Technology Transfer (ToT).
- At CBU level full package items will be given for functional checks, environmental checks, installations and commissioning by **PARTNER** to ITI.
  - At SKD level of manufacturing, **PARTNER** has to supply product subsystems/modules and Controllers to ITI.
  - At CKD level, the requisite components will be sourced by ITI from the authorized sources of **PARTNER** /Open-Market. These will be assembled, integrated, and tested together to make a complete product as required by the Customer.

4.11. The Bidder shall provide training of at least 20 man hours for each staff for planning, installation, operation, maintenance aspects to at least total 16 staff (8 officers and 8 operational staff) of the Purchaser free of cost. The bidder shall specify in his bid the number of trainees, quantum of proposed training, pre-training qualification required of the trainees and duration of the proposed training. The Bidder shall provide all training material and documents. The training course should focus, inter-alia, on assembly/ disassembly of equipment's/ accessories, start-up operation, maintenance and/or repair of the supplied goods. Conduct of training shall be at ITI/ at the Procuring Entity's Plant. The training shall be provided Before commissioning of the equipment.

## **5. SCOPE OF WORK FOR PARTNER SELECTED IN CATEGORY 2**

### **5.1 Installation Phase**

The SI is responsible for transforming a shipment of components into a functional site.

- **Site Survey & Preparation:** Conducting Radio Frequency Interference (RFI) surveys to ensure the chosen site is "quiet" enough for monitoring. This includes checking for structural integrity of masts and power availability.
- **Hardware Mounting:** Installing high-gain antennas, DF (Direction Finding) arrays, and lightning protection on towers or rooftops.
- **Cabling & Grounding:** Routing low-loss RF cables and ensuring all equipment is properly grounded to prevent surges from destroying sensitive receivers.
- **Rack Integration:** If required, Physical installation of receivers, controllers, and servers into climate-controlled enclosures.

### **5.2 Commissioning & System Integration**

- **Software Configuration:** Installing the monitoring suite, configuring databases, and setting up the GUI (Graphical User Interface) for operators.
- **Network Optimization:** Configuring Backhaul to ensure the remote monitoring site can transmit data to the Central Control Center with minimal latency.
- **Calibration & Benchmarking:** Performing tests to verify that the system's sensitivity and DF accuracy meet the manufacturer's technical specifications.

- **Acceptance Testing (ATP):** Leading the Formal Acceptance Test with the client to prove the system detects, identifies, and locates signals as promised.

### 5.3 Maintenance & Support (O&M)

- Post-installation, the SI ensures the system does not stop operating due to environmental or technical wear.
- **Preventive Maintenance:** Periodic cleaning of antenna radomes, checking cable connectors for moisture/corrosion, and updating software patches.
- **Corrective Maintenance:** Providing a defined SLA (Service Level Agreement) for hardware swaps (LRUs - Line Replaceable Units) in case of component failure.

### 5.4 Documentation & Training

- **As-Built Documentation:** Providing detailed wiring diagrams, IP schemes, and physical site layouts.
- **Training Workshops:** The Bidder shall provide training of at least 20 man-hours for each staff for planning, installation, operation, maintenance aspects to at least total 16 staff (8 officers and 8 operational staff) of the Purchaser free of cost. The bidder shall specify in his bid the number of trainees, quantum of proposed training, pre-training qualification required of the trainees and duration of the proposed training. The Bidder shall provide all training material and documents. The training course should focus, inter-alia, on assembly/ disassembly of equipment's/ accessories, start-up operation, maintenance and/or repair of the supplied goods. Conduct of training shall be at ITI/ at the Procuring Entity's Plant. The training shall be provided Before commissioning of the equipment.

5.5 The **PARTNER** must commit to providing a Comprehensive Annual Maintenance Contract (CAMC) as per Customer requirement following the expiry of the warranty period [as Joint Efforts based on the ToT workshare between ITI Ltd and Tech Partner.](#)

## 6. ELIGIBILITY CONDITIONS FOR PARTNER

A	Essential Eligibility Criteria for the Applicants	
	<i>Pre-Qualifying Criteria</i>	<i>Compliance Document</i>
i.	The <b>PARTNER</b> should be a company registered in India having its office in India and incorporated under the Indian	The details of the company and Certificate of Incorporation

	Companies Act, 1956/2013 and should be at least Three years (from the date of releasing this EoI) old company.			
ii.	Consortium can be formed between Categories (for example: Spectrum Monitoring System Manufacturers with System Integrator). In case of Consortium, the number of bidders including Lead Bidder can be maximum two.	<ul style="list-style-type: none"> <li>• Proof of Consortium should be submitted (Consortium agreement as per Annexure-XII)</li> </ul>		
iii.	<b>PARTNER Selected for the category 1</b> must be the Original Design Manufacturer (ODM) or Original Equipment Manufacturer (OEM) of <b>SMS</b> compliant with all relevant standards, with full ownership of Intellectual Property Rights (IPR), copyright, license, or design. <b>PARTNER</b> must maintain an in-house R&D setup in India.	<ul style="list-style-type: none"> <li>a. Proof of ownership (e.g., patents, licenses)</li> <li>b. Undertaking confirming exclusive IPR control</li> <li>c. Details of R&amp;D infrastructure, including technical manpower.</li> </ul>		
	The Bidder/System Integrator (SI), if they are not the original manufacturer of the equipment, must provide a formal Manufacturer's Authorization Form (MAF) specifically issued for this project. This document must be printed on the Official Letterhead of the Original Equipment Manufacturer (OEM) and signed by an authorized signatory of the OEM.	<ul style="list-style-type: none"> <li>a. Document copy to be provided</li> </ul>		
iv.	<ul style="list-style-type: none"> <li>• Bidder should have to meet the following turnover criteria in their respective category domain. Additionally, the Bidder's Net Worth must be positive for each of these three financial years. in any Categories they want to bid individually.</li> </ul> <table border="1" data-bbox="290 1796 932 2020"> <tr> <td>Category</td> <td>Average Annual Turnover for last 3 Years (2022-23,2023-24,2024-25)</td> </tr> </table>	Category	Average Annual Turnover for last 3 Years (2022-23,2023-24,2024-25)	<ul style="list-style-type: none"> <li>a) Auditors Net worth certificate &amp; Turnover certificate signed by the company's Auditors/ CA for last 3 financial years.</li> <li>b) Audited account statements for the years specified to be provided.</li> </ul>
Category	Average Annual Turnover for last 3 Years (2022-23,2023-24,2024-25)			

	<table border="1"> <tr> <td>Category 1</td> <td>12 Cr</td> </tr> <tr> <td>Category 2</td> <td>7 Cr</td> </tr> </table> <ul style="list-style-type: none"> <li>In case of Consortium of Categories individual members has to meet the turnover pertaining to corresponding Categories.</li> </ul> <p>A Single bidder having complete Solution (all category) should have average annual turnover of 18 Cr for the last 3 years.</p>	Category 1	12 Cr	Category 2	7 Cr	
Category 1	12 Cr					
Category 2	7 Cr					
v.	<p><b>Experience Criteria:</b></p> <p><b>Category 1:</b> The bidder should have supply experience of <b>RF/Spectrum monitoring systems</b> as mentioned.</p> <ul style="list-style-type: none"> <li>One order of 16Cr.</li> <li>Two orders of 10Cr each.</li> <li>three orders of 8Cr each</li> </ul> <p><b>Category 2:</b></p> <p>The bidder should have experience of having successfully completed project, which involves installation commissioning, and maintenance of RF monitoring systems as mentioned.</p> <ul style="list-style-type: none"> <li>One order of 8 Cr.</li> <li>Two orders of 5 Cr each.</li> <li>three orders of 4 Cr each</li> </ul>	<p>a. Documentary evidence (Customer POs and performance certificate along with contact no, email address of the customer) to prove experience to be submitted.</p> <p>b. ITI has the full right to verify the genuineness of the submitted experience certificate.</p>				
v.	<p><b>PARTNER</b> must confirm that there are no Patent / legal issues that might become hindrance as per scope of EoI at any stage.</p>	<p><i>Self Undertaking would be required</i></p>				
vi.	<p><b>PARTNER selected in the category 1</b> must meet the Technical Specifications of the offered product given at <b>Annexure-V.</b></p>	<p><i>self Undertaking would be required</i></p>				
vii.	<p>The <b>PARTNER</b> should commit to provide any software/hardware upgrade at free of cost required on the designed product to keep it updated and also work on optimizing the design to make it market</p>	<p><i>A Self-Declaration consent to be provided.</i></p>				

	competitive and meet customer requirements as per the prevailing standards.	
Viii	<b>PARTNER</b> shall submit self-declaration(s) that the <b>PARTNER</b> or any of the promoters/directors/ <b>PARTNER</b> or member not blacklisted/banned/debarred/suspended by the Central/ any other States/ Union Territories Government/ Quasi-Govt/ Govt. undertaking/Banks/Financial Institution or its agencies for indulging in corrupt or fraudulent practices or for indulging in unfair trade or for any other reasons or bad performance/ delayed delivery / Bank NPA, CDR (Corporate Debt Restructuring), SDR (Special Debt Restructuring), NCLT or for any other defaulting reason as on date of opening of this EoI.	<i>A Self-Declaration of not being under any black list or Barring.</i>
xi.	Orders issued by the Government of India restricting procurement from certain countries which shares a land border with India shall apply to this EoI.  Any <b>PARTNER</b> or their OEM, from a country which shares a land border with India shall be eligible to bid in this tender only if they are registered with the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).	<b>PARTNER</b> or their OEM sharing land border with India, which are not part of restricted countries shall provide the certificates of registration in this regard from DPIIT. Undertaking format is provided in Annexure –IX.
xii	<b>PARTNER Selected in category 1</b> should provide the Compliance on all required quality and safety certifications (e.g., MIL-STD-810H, IP65 protection, and calibration certificates)	a. A Compliance Statement to be submitted b. Copy of all certification needs to be submitted
xiv	<b>PARTNER selected for the category 1</b> has to conduct PoC of the proposed solution in any of the ITI Units/Customer Premises if required (as	A Compliance Statement is needed

	per <b>PARTNER</b> convenience) to prove their Solution	
xv	The <b>PARTNER selected for the category 1</b> must ensure that the offered Spectrum Monitoring System (SMS) meets the minimum local content threshold.	The <b>PARTNER</b> must provide a Certificate from a Statutory Auditor/Cost clearly stating the percentage of local content
xvi	Willingness for complete Transfer of Technology	A Compliance Statement is needed
<b>B</b>	<b>General Commercial Conditions</b>	
i	<b>PARTNER</b> shall execute a binding Agreement with ITI for servicing, installation, commissioning, warranty, and post-warranty support, manufacturing (later stage).  <i>depending on the workshare between ITI Ltd and Tech Partner.</i>	
ii	The strategic alliance shall last a minimum of five years from the agreement date, extendable by mutual consent.	
iii	Agreements must be signed by authorized signatories with supporting Power of Attorney	
iv	<b>PARTNER</b> shall fully support ITI in customer tenders by ensuring technical compliance and providing BOM/BOQ as needed	
v	The payment to the selected <b>PARTNER</b> towards its deliverables after adjusting and calculating the Margins, Royalty etc. will be made on receipt of payment from end Customer.	
vi	<b>PARTNERS</b> shall provide full hand-holding, resource deployment for initial customer orders, and a Performance Bank Guarantee (PBG) to cover technical issues, installation/commissioning faults, and certifications	
vii	Any Liquidated Damage (LD) imposed by Customer for delayed deliveries or services as per the terms and conditions of Customer tender, same will be passed on to the <b>PARTNER</b> in proportion of their responsibility and cause of LD.	
viii	As per Govt. procurement policy for Micro and small Enterprises, 2012 (amended 2018 and 2021), Micro and Small Enterprises (MSEs) may be given relaxation in prior turnover and prior experience criteria during tender process, subject to meeting of Quality and Technical Specifications.  MSE vendors who are registered under Ministry of Micro and Small Enterprises , Government of India shall submit all the relevant documents for claim of benefit extended to MSE. Also mention whether the MSE certificate is issued for the relevant area pertaining to the terms of the EoI.	

	The MSE who are authorized dealers/distributors are not eligible for availing the benefits extended to MSME's.
ix	In line with the prevailing policies of the Government of India (Ministry of Finance, Department of Expenditure), the criteria regarding "Prior Turnover" and "Prior Experience" shall be relaxed for all Start-ups recognized by the Department for Promotion of Industry and Internal Trade (DPIIT), subject to the meeting of quality and technical specifications. Bidders seeking such relaxation must submit a valid Certificate of Recognition issued by DPIIT.

## 7. Instructions For Submitting Proposal Towards EoI

7.1. The Bidding would be subjected to an On-line / e-Tendering process. The prospective Bidders are requested to go through <https://itilimited.ewizard.in/> to understand the entire e-Tendering Process and follow the Registration and Bidding Process on <https://itilimited.ewizard.in/> as defined in the document. In case of any clarifications on e-tender portal, bidders may contact the portal helpdesk of <https://itilimited.ewizard.in/>.

7.2. The Technical Bid and financial bid shall be uploaded in e-procurement site of ITI Limited (<https://itilimited.ewizard.in/>). For submission of online bid and procedure to be followed, visit <https://itilimited.ewizard.in/>.

7.3. ITI's Tender document can be downloaded from ITI web site [www.itilttd.in](http://www.itilttd.in) or CPP portal [www.eprocure.gov.in](http://www.eprocure.gov.in). For uploading the bid proposal, all bidders have to register in our eProcurement portal (<https://itilimited.ewizard.in/>). When submitting the bid please state the tender ID.

7.4. Any clarifications regarding the tender can be obtained from GM-Products and Technology, ITI Bhavan, ITI Limited, Corporate Office, Dooravaninagar, Bengaluru- 560016 email: [pp\\_crp@itilttd.co.in](mailto:pp_crp@itilttd.co.in), [satishkumar\\_crp@itilttd.co.in](mailto:satishkumar_crp@itilttd.co.in)

7.5. Technical bids will be opened at 03.00 PM on 06.04.2026.

7.6. All the bids will be scrutinized for turnover, experience and compliance to the EOI terms & conditions.

7.7. Financial Bid of Technically Qualified **PARTNERS** will be opening after technical evaluation.

7.8. Bid offered should be valid for a period of 180 Days from the date of opening of EOI response.

7.9. Conditional offers are liable for rejection.

7.10. The Bidders should give Clause by clause compliance (as per Annexure III) of EOI with references to supporting documents; otherwise the offers are liable for rejection.

7.11. The bidder to indemnify ITI LTD from any claims / penalties / statutory charges, liquidated damages, with legal expenses etc as charged by the customer.

7.12. In the event that ITI LTD is required to provide demonstration or working of the product to their buyers, the same shall be arranged by the bidder at latter's cost and expenditure.

7.13. ITI LTD reserves the right to suspend or cancel the EOI process at any stage, 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.

7.14. Bidders, whose Purchase Order(s) for any Project of ITI LTD was/were cancelled on risk & cost basis for nonperformance or non-submission of performance guarantee in last 2 years, are not eligible to participate in this tender.

7.15. Cost of EOI: The bidder shall bear all costs associated with the preparation and submission of his offer against this EOI, including cost of presentation for the purposes of clarification of the offer, if so desired by ITI LTD. ITI LTD will, in no case be responsible or liable for those costs, regardless of the conduct or outcome of the EOI process.

7.16. Amendment of EOI: At any time prior to the last date for receipt of offers, ITI LTD, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the EOI document by an amendment. In order to provide prospective bidder reasonable time in which to take the amendment into account in preparing their offers, ITI LTD may, at their discretion, extend the last date for the receipt of offers and/or make other changes in the requirements set out in the Invitation for EOI.

7.17. ITI LTD will not consider any or all of the bids if they are not meeting EOI requirements.

7.18. ITI LTD may at its discretion reject any offers received for selection without assigning any reasons.

## **8. Other Terms and conditions:**

### **8.1. Confidentiality**

- All documents, drawings, samples, data, associated correspondence or other information furnished by or on behalf of the customer to the bidder, in connection with the customer PO, whether such information

has been furnished before, during or following completion or termination of the customer PO are confidential.

- If advised by the Customer, all copies of such information in original shall be returned on completion of the bidder's performance and obligations under this customer PO.

## 8.2. **Transparency**

All customers are responsible and accountable to ensure transparency, fairness, equality, competition and appeal rights. This involves simultaneous, symmetric and unrestricted dissemination of information to all likely bidders, sufficient for them to know and understand the availability of bidding opportunities and actual means, processes and time limits prescribed for completion of registration of bidders, bidding, evaluation, grievance redressal, award and management of contracts.

It implies that such officers must ensure that there is consistency, predictability, clarity, openness, equal opportunities in processes.

8.3. **Indemnity:** Bidder to indemnify ITI LTD from any claims / penalties / statutory charges, liquidated damages, with legal expenses etc as charged by the customer. LD/ Penalties incurred on account of delay in supply, product failure during warranty if any and deficiency in Warranty and AMC services shall be borne by the bidder.

8.4. **INTELLECTUAL PROPERTY:** Each Party will retain its right, title and interest in its respective trademarks, service marks and trade names as well as rights in respect of any patent, copyright, trade secrets or other intellectual property used during the performance of this Agreement. Both Parties recognize that except as otherwise expressly provided herein or agreed between the Parties, they shall have no right, title, interest or claim over the others' intellectual property.

## 8.5. **RISK PURCHASE.**

If the vendor fails to adhere to the quality norms, delivery schedules and other terms and conditions contained in this Tender after acceptance of purchase order and if no agreement is reached on the revised delivery schedule maximum up to 15 (Fifteen) Business Days, then buyer shall have the liberty to procure the material from an alternate source at the Vendor's risk and cost, and the Vendor shall be liable to make good the loss incurred by Buyer in this process.

## 8.6. **Arbitration:**

8.6.1. In case amicable settlement is not reached in the event of any dispute of difference arising out of the execution of the contract or

the respective rights and liabilities of the parties or in relation to interpretation of any provision by the bidder in any manner touching upon the contract, such dispute or difference shall (Except as to any matters, the decision of which is specifically provided for therein) be referred to the sole arbitration of the arbitrator appointed by ITI LTD.

8.6.2. The award of the arbitrator shall be binding upon the parties to the dispute.

8.6.3. Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 or statutory modifications or re-enactments thereof and the rules made there under and for the time being in force shall apply to arbitration proceedings under this clause. The cost of arbitration shall be borne equally by both the parties.

8.6.4. Work under the contract shall be continued during the arbitration proceedings.

8.6.5. Failure to comply with any of the above conditions can result in termination of the contract, forfeiture of the security deposit, penalty as may be decided by ITI LTD and future blacklisting of the bidder.

8.6.6. The arbitration location will be at Bengaluru

8.7. **Set Off:** Any Sum of money due and payable to the bidder under this customer PO may be appropriated by the ITI LTD or any other person contracting through the ITI LTD and set off the same against any claim of the ITI LTD for payment of a sum of money arising out of this EOI or under any other EOI/contract made by the bidder with the customer.

8.8. The interested bidder may like to discuss the customer tender related information, EOI Bidding Conditions, Bidding Process and clarifications, if any with the General Manager – Products & Technology

8.9. **Language of offers:** The offers prepared by the Company and all the correspondences and documents relating to the offers exchanged by the companies shall be written in English language.

8.10. Liquidated Damage (LD) may be included, i.e if any imposed on ITI for the reasons related to the bidder shall be carry forwarded to bidder

8.11. In the event that ITI LTD is required to provide demonstration or working of the product to their buyers, the same shall be arranged by the bidder at latter's cost and expenditure.

#### **8.12. TERMINATION FOR DEFAULT:**

Any of the following events shall constitute an event of default by the bidder entitling the Competent Authority to terminate the contract.

- If the bidder fails to perform any obligation(s) under the Contract
- If bidder, does not remedy his failure within a period of 30 days (or such longer period as the ITI LTD may authorize in writing) after receipt of the default notice from the ITI LTD
- If selected bidder fails to fulfill its part of the work to the satisfaction of ITI LTD, then ITI LTD shall have the right to terminate the contract.

The contract shall not be terminated for failure to discharge responsibilities due to force majeure situations or failure by ITI LTD to meet conditions precedent.

#### **8.13. FORCE MAJEURE:**

If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligations 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 restriction, strikes, lockouts or act of God (Hereinafter referred to as events) provided notice of happenings, of any such eventuality is given by the 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 and 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 LTD as to whether the deliveries have 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 its option terminate the contract.

#### **8.14. TERMINATION FOR INSOLVENCY:**

ITI LTD may at any time terminate the contract by giving written notice to the bidder, without compensation if the bidder becomes unwilling, bankrupt or otherwise insolvent

**8.15. ITI's Right to accept any bid and to reject any or All Bids or to cancel the EO:** ITI LTD 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 on the grounds of ITI's action.

8.16. **Disclaimer:** ITI LTD 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 LTD and/or any of its officers, employees.

**Annexure-I**

**PARTNER’s PROFILE**

1	Name and address of the company			
2	Contact Details of the <b>PARTNER</b> (Contact person name with designation, Telephone Number, FAX, E-mail and Web site)			
3	Area of business			
4	Annual Turnover for 3 financial years (₹ in Cr )	2022-23	2023-24	2024-25
5	Date of Incorporation			

6	GST Registration number	
7	PAN Number	
8	CIN Number, if applicable	
9	Number of technical manpower in company's rolls	
10	Number of R&D engineers	

**Compliance Statement**

<b>Section Details</b>		<b>Clause Numbers</b>	<b>Compliance (YES/NO)</b>	<b>Documentary Reference, If any</b>
3	Scope	3.1 to 3.11		
4A	Eligibility conditions for <b>PARTNER</b>	4.A.i to 5.A.xvi		
4B	General Commercial Conditions	5.B.i to 5.B.ix		

## Annexure-III

### Undertakings (To be in PARTNER's Letter Head)

We, M/s..... Do hereby undertake the following:

1. We are not blacklisted by Central Government / any State or UT Governments / PSU/ organized sector in India to work with ITI as per this EOI and Customer Tender terms and conditions. Also we agree to implement the project (scope of work as per Tender terms and conditions including investment) covering Warranty & post-warranty services, maintenance etc., in the event of ITI winning the contract on back-to- back basis.
2. We undertake to submit Bid Security Declaration as per format Annexure-X In lieu of Earnest Money Deposit (EMD).
3. That we have adequate manpower with qualifications, certifications and experience as may be required for Technology enablement with ITI as well as to provide services/support to the customer as per their tender/PO requirement.
4. We will obtain all the required certificates/approvals as per customer tender requirement (depending on the workshare defined in the ToT document).
5. We undertake to obtain relevant statutory approvals for the product, depending on the workshare defined in the ToT document..
6. We are willing to sign MoU/Agreement, Integrity Pact with ITI for addressing the customer requirements as per customer's tender terms and conditions.
7. We undertake to indemnify ITI from any claims / penalties / statutory charges, liquidated damages, with legal expenses etc. as charged by the customer.
8. To support the offered equipment for warranty and Post warranty comprehensive AMC as per the requirement of Customer tender terms and conditions. All software upgrades, patches and Licenses to be provided free of cost, as and when they are released by OEMs.
9. The **PARTNER** should give certificate/undertaking stating that all the hardware / software supplied under the contract shall not contain any embedded malicious codes that could inhibit the desired functions of the equipment or cause malfunction of equipment in any manner.

Signature:

Name:

Designation of Authorized Signatory:

**PRE-CONTRACT INTEGRITY PACT**

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

EOI No.....

This Integrity Pact is made on .....day of 2026

BETWEEN:

ITI Limited, having its Registered & corporate office at ITI Bhavan, Dooravani Nagar, Bangalore – 560016 India, and established under the Ministry of Communications, Government of India (hereinafter called the Principal), which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman & Managing Director, Directors, Officers or any of them specified by the Chairman & Managing Director in this behalf and shall include its successors and assigns) ON THE ONE PART

AND

M/s ..... represented by .....Chief 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 **PARTNERing** 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 EOI 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 EOI Documents and contract between the parties.

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

#### SECTION 1 – COMMITMENTS OF THE PRINCIPAL

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 EOI for or the execution of the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the personal is not legally entitled to.
- b. The Principal will, during the EOI process treat all bidder(s) with equity and reason. The Principal will in particular, before and during the EOI 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 EOI 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 Actor if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action as per its internal laid down Rules/ Regulations.

#### SECTION 2 – COMMITMENTS OF THE BIDDER / CONTRACTOR

2.1 The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself observe the following principles during the participation in the EOI 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 EOI 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 EOI 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.
- 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 EOI PROCESS & EXCLUSION FROM FUTURE CONTRACTS

If the Bidder(s)/Contractor(s), during EOI 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 EOI 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 EOI/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 Bidders)/ Contractor(s) shall be final and binding on the Bidder(s)/ Contractor(s), however the Bidder(s)/Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.

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 (s)/ Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption preventative system in his organization.

#### SECTION 4 – PREVIOUS TRANSGRESSION

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

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

## SECTION 6 – EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS

- 6.1 The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.
- 6.2 The Bidder(s)/Contractor(s) undertakes to get this Pact signed by its subcontractor(s)/sub- empaneled **PARTNER**(s)/ associate(s), if spy, and to submit the same to the Principal along with the EOI 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-empaneled **PARTNERS** / associates.
- 6.3 The Principal will disqualify from the EOI process all bidders who do not sign this Integrity Pact or violate its provisions.

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

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

## SECTION 8 – INDEPENDENT EXTERNAL MONITOR(S)

8.1 The Principal appoints competent and credible Independent External Monitor(s) for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this pact.

**Details of IEM appointed by ITI are as under:**

Shri Atul Jindal, IFS (Retd.)  
3/10 Vishesh Khand Opp. Little Friend School Gomti Nagar,  
Lucknow-226010(UP)

8.2 The Monitor is not subject to any instructions by the representatives of the parties and performs his functions neutrally and independently. He will report to the Chairman and Managing Director of the Principal.

8.3 The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all product documentation of the Principal including that provided by the Bidder(s)/Contractor(s). The Bidder(s)/Contractor(s) will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The Monitor is under contractual obligation to treat the information and documents Bidder(s)/Contractor(s) with confidentiality.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meeting could have an impact on the contractual relations between the Principal and the Bidder(s)/Contractor(s). As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in specific manner, refrain from action or tolerate action.

8.5 The Monitor will submit a written report to the Chairman & Managing Director of the Principal within ..... to ..... weeks from the date of reference or intimation to him by the principal and, should the occasion arise, submit proposals for correcting problematic situations.

8.6 If the Monitor has reported to the Chairman & Managing Director of the Principal a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman & Managing Director of the principal has not, within the reasonable time taken visible action to proceed against such offence or

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

8.7 The word 'Monitor' would include both singular and plural.

## SECTION 9 - FACILITATION OF INVESTIGATION

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

## SECTION 10 - LAW AND JURISDICTION

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

1.2 The actions stipulated in this Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extent 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

12.1 This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate office of the Principal at Bengaluru.

12.2 Changes and supplements as well as termination notices need to be made in writing by both the parties. Side agreements have not been made.

12.3 If the Bidder(s)/Contractor(s) or a **PARTNER**ship, the pact must be signed by all consortium members and **PARTNERS**.

12.4 Should one or several provisions of this pact turn out to be invalid, the remainder of this pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

12.3 Any disputes/ difference arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with interpretation thereof shall not be subject to any Arbitration.

12.4 The action stipulates in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

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

For PRINCIPAL  
BIDDER(S)/CONTRACTOR(S)

For

.....  
.....

Name Designation  
Designation

Name

Witness

1. ....

1. ....

2. ....

2. ....

## **Technical Specifications**

### **(A) System Architecture:**

The radio spectrum monitoring system shall have 10 Remote Spectrum Sensors located in international border areas connected through internet to a Zonal Monitoring Station. Ten remote locations will mostly be provisioned on the BTS towers/masts of cellular telecom operators or any other designated locations mentioned in the Tender document. The components of the remote sensor unit –enclosure (containing all spectrum monitoring equipment and storage device), antennae system, UPS, cables and connectors etc. should be designed to be dismantlable, transportable, and re-installable at another suitable location, if required in future. The whole system shall be under 3 year warranty followed by 5 year Comprehensive Annual Maintenance Contract (CAMC). During this warranty and CAMC period, the vendor shall attend any number of breakdown calls. The system shall meet both the following operational requirements of Remote Spectrum Sensors:

1) **On-line Control:** Continuous and real time control of the Remote Spectrum Sensors. The Zonal Monitoring Station (ZMS) should be able to control the Remote Spectrum Sensors (RMS) in real time. It must also continuously monitor the RMS for real-time radio frequency (RF) spectrum and key 3GPP parameters (such as frequency, station identification details etc. as per standard ITU framework), based on the technical settings configured remotely from the ZMS. The monitored RF data shall be automatically downloaded at the ZMS for further analysis. This mode is particularly suited for the investigation of interference problems, spillage signals and identification of unauthorized emissions.

2) **Batch/Schedule mode:** The ZMS shall remotely load a task to the RMS – consisting of a set of RF parameters—for automatic measurement over a specified period. After the RMS completes the task, the results shall be retrieved via file transfer. This function shall be supported even if the connectivity between the ZMS and RMS is intermittent or unreliable.

**(B) Remote Sensor Unit (including Accessories and Excluding Antennae)**

<b>Sl No</b>	<b>Parameter</b>	<b>Specification</b>
1	Housing of the Remote Sensor Unit	1. The remote sensor unit will be an outdoor unit installed on a mast/tower comprising of an All-in-one integrated, weatherproof enclosure (all spectrum monitoring equipment including storage device shall be fitted within the enclosure) with  operator-specific SIM card.  e) Capable of performing measurement of multiple Cellular technologies during a single scan in a given frequency band.
5	Frequency Range	10 MHz to 8 GHz
6	Real-Time Bandwidth	$\geq 40$ MHz
7	Resolution Bandwidth	1 Hz to 2 MHz
8	Display Average Noise Level (DANL)	$\leq -150$ dBm/Hz specified value (without pre-amp)
9	Dynamic Range	100 dB
10	Linearity (IP3)	IP3 $\geq +10$ dBm
11	Phase Noise	$\leq -85$ dBc/Hz @ 10 kHz offset
12	Frequency aging	$\pm 1 \times 10^6$ /year or better
13	Scan Mode	Normal and Time Domain
14	Input Resistance	50 ohm
15	VSWR	$\leq 3$
16	Operating Temperature Range	The system should function within $-30^{\circ}\text{C}$ to $+55^{\circ}\text{C}$
17	Data Storage	2TB SSD at the end of remote sensor

18	Power supply	<ul style="list-style-type: none"> <li>a) The remote unit should be connected to AC main</li> <li>b) Remote power cycling option should be there so that the remote unit could be switched off or switched on remotely from the Zonal Monitoring Station</li> </ul>
19	UPS Support	UPS system shall be housed within a rain-proof and dismantlable enclosure. It shall support continuous operation with backup time of 3 hours on full load
20	Network Connectivity	The Remote Sensor unit will have facility through SIM based(4G/5G), ethernet based and satellite link based internet connectivity. In case the remote sensor is connected to internet through multiple options, adaptive routing for preferred network (higher data speed) should be provided
21	GPS (or NAVIC system)	<ul style="list-style-type: none"> <li>a) Built-in GPS should be there</li> <li>b) Provision shall also be there in the system to migrate to NAVIC in future.</li> </ul>
22	Frequency Stability	±0.5 ppm with GPS/GNSS discipline
23	Power on/off	Control should be provided at the end of Zonal Monitoring Station to remotely power on/off the remote sensor unit.
24	Physical Security	On detecting any physical temper, the Outdoor unit shall send security alert to the Zonal Monitoring Station.
25	Electromagnetic Compatibility	IEC 61000-4-2,-3,-4

26	Switchable Attenuation	Min 30 dB in step size of $\leq$ 5dB
<b>C : Antenna System</b>		
1	Type and Quantity	<p>a) Omni-directional antenna(e) and Directional Antenna(e) directed toward international border each covering the entire frequency range (10 MHz to 8 GHz). Both sets of antenna(e) should be passive.</p> <p>b) Antennae should be remotely switchable</p>
2	Lightening Protection	DC and RF grounding (IEEE C62.41)
3	RF Cables	Low-loss cable for connecting antenna to the remote sensor unit. The cable should be calibrated to compensate losses.
4	Maximum Weight	10 kg
<b>D : Zonal Monitoring Station</b>		
1	Industrial PC	Industry standard PC with latest intel core, 32 GB RAM and 2 GB Graphics and separate GPU to support GIS and installed software.
2	Graphical User Interface	Option to choose any of the Remote Sensor Units, remotely switch on/off the unit, take control of it and perform real-time spectrum monitoring or schedule tasks by setting parameters and generate reports.
3	Data storage	20 TB storage (including 2 TB SSD) with RAID configuration (additional expandability feature of 20 TB shall be provided)
4	UPS Support	Two level authentication password based and Mobile/email OTP based
5	Authentication	Multi-level authentication to access remote sensor units
6	Data Archiving	Data received from all the Remote sensor units are to archived separately

## **E: Software & Control**

**Software shall support all the above-mentioned functionalities. Additionally, it will have the following core capabilities:**

- i) The Zonal Monitoring Station should be able to send command signal to the Remote Sensor Unit to set a specific monitoring task (task scheduling) and to initialize, test and set parameters of the equipment and perform automated scan of the selected frequency band.
- ii) Remote Sensor Unit to receive command from the Zonal Monitoring Station and transmit monitoring output accordingly to the Zonal Monitoring Station
- iii) The Zonal Monitoring Station should be capable of interrogating the Remote Sensor Unit at any time and get the desired value.
- iv) The Zonal Monitoring Station will receive the monitoring output from the Remote Sensor Unit as per the set schedule for analysis at its end.
- v) The Zonal Monitoring Station should be capable to perform technical analysis(big data analysis) of the received information and ascertain any unexplained change of field strength/power, BTS IDs etc. from the expected value, which could indicate a cross-border spillage or lack of Indian signal saturation.
- vi) Depending on the duration of the measurements, the amount of data to be sent may be high. Therefore, pre-processing and other data reduction methods will be provided before the data is sent.
- vii) Remote Sensor Unit will securely send time-stamped monitoring output results to Zonal Monitoring Station. In data sharing, commercial grade security feature like PKI to be used.
- viii) There should be re-configurable masking feature in order to avoid the monitoring of specific frequency band.
- ix) The software should be able to perform real-time and historical spectrum analysis.
- x) Pattern recognition for intelligent anomaly and trend detection
- xi) The software should be able to perform historical analysis of signals present at different frequency bands.
- xii) The Remote Sensor Unit shall generate trigger when signal

- amplitude exceeds a certain set threshold.
- xiii) The software should be SCPI compliant
  - xiv) It should be able to display amplitude vs frequency, waterfall, persistence and spectrogram views of the spectrum. It should also generate heatmap (frequency v/s time).
  - xv) Over the air software update feature should be there from the end of Zonal Monitoring Station.
  - xvi) It should be able to perform system diagnostics of the Remote sensor units and take corrective actions for auto-recovery
  - xvii) It should have facility to generate report in customizable format. Also, GIS based reporting in PDF, CSV and PNG exportable format should be provided. The system should also have import feature for CSV, SHP and other popular GIS format files.

**Note:** Above is only the tentative requirement given by Wireless Monitoring Organisation Department of Telecommunications Ministry of Communications. Any further addition of the Equipment/Features will be added through Addendum/Amendments to the ToT Agreement with mutual consent between ITI and the selected Technology **PARTNER**.

**DECLARATION OF RELATION IN ITI**

**(To be typed and submitted in the Letter Head of the Company/Firm of Bidder failing which the offer of Bidder is liable to be summarily rejected)**

To,

ITI Limited,  
ITI Bhavan, Doorvani Nagar,  
Bangalore: 560016

Dear Sir,

Sub: **Declaration for relation in ITI**

Subject: EoI - \_\_\_\_\_

I/We hereby submit the following information pertaining to relation/relatives of Proprietor/PARTNER (s)/Director(s) employed in ITI

**Tick (✓) any one as applicable:**

1. The Proprietor, **PARTNER(s)**, Director(s) of our Company/Firm DO NOT have any relation or relatives employed in ITI

T

**OR**

2. The Proprietor, **PARTNER(s)**, or Director(s) of our Company/Firm have relation/relatives employed in ITI and their particulars are as below:

(i)

(ii)

(Signature, Date & Seal of Authorized Signatory of the Bidder)

**Note:**

1. Attach separate sheet, if necessary. If ITI Management comes to know at a later date that the information furnished by the Bidder is false, ITI reserves the right to take suitable action against the Bidder/Contractor.

**ANNEXURE-VII**

**BID FORM**

**NIT No.** \_\_\_\_\_

**Dated:** \_\_\_\_\_

**To  
AGM P&T  
ITI Limited,  
(Registered &  
Corporate Office)  
ITI Bhavan,  
Doorvaninagar, Bengaluru**

**- 560 016.**

**Dear Sir/Madam,**

1. Having examined the conditions of contract and specifications including addenda Nos.....the receipt of which is hereby duly acknowledged, we, undersigned, offer to act as Technology **PARTNER** in conformity with the said contract.
2. We agree to abide by this Bid for a period of 180 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
3. Until a formal Purchase Order of Contract is prepared and executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.
4. Bid submitted by us is properly prepared and submitted in the relevant sections of e-bidding portal as to prevent any subsequent alteration and replacement. Also pricing details / information is not made available in the technical section of e-bidding portal.
5. We understand that you are not bound to accept the lowest or any bid, you may receive.
6. We understand that the Bid document so submitted is the true copy of ITI tender documents available on ITI website [www.itilttd.in](http://www.itilttd.in). Any deviation will result in the rejection of the bid.

**Dated this .....day of ..... 2026**

**Name and Signature -----**

**In the capacity of -----**

**Duly authorised to sign the bid for and on behalf of:**

.....

**Witness:** .....

**Address:** .....

**Signature**

**ANNEXURE-VIII**

---

NON-DISCLOSURE AGREEMENT

By and between

ITI LIMITED  
(A Government of India Enterprise)  
Doorvaninagar, Bangalore-560016, India

(hereinafter "ITI")

On the One Hand

And

(hereinafter "XXXX ")

On the Other Hand

Either or both may also be hereinafter referred to, individually as the "Party," and collectively as the "Parties."

ARTICLE 1. DEFINITIONS

"Agreement" means this Non-Disclosure Agreement.

"Confidential Information" as used in this Agreement shall mean all trade secrets and information which is disclosed by the Disclosing Party and is designated as Confidential Information and/or Proprietary Information by the Disclosing Party, including, but not limited to, technical data, know how, type design, concepts, descriptions, specifications, schematics, research, product plans, products, services, lists of customers, markets, developments, inventions, processes, manufacturing processes designs, drawings, films, documentation, engineering hardware configuration information, engineering data, marketing, notes, models, compositions, algorithms, software programs, software source documents, program schedule, visual demonstrations, photographs, manuscripts, texts, video recordings, formulations, equipment or apparatus, oral discussions, sales, marketing and/or business plans and/or financial information, cost estimates, pricing policy which is identified as confidential and/or proprietary by the Disclosing Party in accordance with the guidelines in Article 4 which may be made available in any form including

machine readable. For avoidance of doubt “Confidential Information” also includes analysis, compilation, studies and other material prepared by or in the possession or control of the Recipient which contain or otherwise reflect or are generated from any such information as is specified in this definition.

“Disclosing Party” means that Party which directly or indirectly provides or makes available Confidential Information to the other in connection with this Agreement.

“Receiving Party” means that Party which receives or obtains Confidential Information directly or indirectly from the Disclosing Party in connection with this Agreement.

## ARTICLE 2. PURPOSE OF AGREEMENT

The purpose of this Agreement is to allow the Parties to exchange confidential information both technical and commercial, to:

Enable ITI, to ensure timely submission of a technically state of the art and cost competitive proposal consistent with the requirements spelt out in the tender ref .....

Participate in the presentation/ demonstration to the vendor on No Cost No Commitment basis if called to do so.

## ARTICLE 3. IDENTIFICATION OF INFORMATION

Both Party’s information relating to business, financial and technical data related to the system engineering, manufacturing, marketing and business development capabilities with specific reference to the parameters laid out in the EOI

## ARTICLE 4. CONFIDENTIAL INFORMATION RIGHTS AND OBLIGATIONS

(a) Information that is to be accepted in a confidential relationship and treated as Confidential Information, shall be disclosed in a tangible form, and shall be conspicuously marked as being “Private,” "Confidential," or by any other appropriate legend clearly indicating the confidential nature of the information.

(b) Confidential Information, if first disclosed in a non-written or other non-tangible form, shall be identified by the disclosing party at the time of disclosure as being disclosed in confidence, shall be reduced to tangible form

and marked in accordance with Article 4(a), and such tangible form shall be delivered to the Party identified above within twenty (20) working days after the date of first disclosure. During the above stated 20-day period, such Confidential Information shall be protected in accordance with the terms of this Agreement.

(c) Confidential Information that is disclosed pursuant to this Agreement shall not be used other than for the purposes submitted, or disclosed to any third party, unless authorized in writing by the disclosing Party.

(d) Upon receiving Confidential Information from the disclosing Party, recipient shall use at least the same degree of care that it uses in protecting its own information of like kind, but not less than reasonable care to safeguard such Confidential Information from an unauthorized use or disclosure. Recipient agrees that each employee having access to Confidential Information of the other Party to this Agreement, shall be in a “need-to-know” basis and shall be informed of the existence of this Agreement.

If the Receiving Party makes any copies, extracts, summaries, or digests of the Confidential Information (including computer entries), the Receiving Party shall ensure that appropriate legends are affixed thereto. Copies made by a reproduction service contractor, for the exclusive use of a Party to this Agreement is permitted, provided the service contractor has executed a non-disclosure agreement, which is sufficient to protect the Confidential Information required under this Agreement.

(f) Receiving Party undertakes to observe all requirements of security regulations of the Government of India to the extent they apply to Proprietary / Confidentiality Information disclosed pursuant to hereinto.

## ARTICLE 5. AGREEMENT AND CONFIDENTIALITY TERMS

This Agreement shall terminate after the period of time specified below, from the date of last execution of this Agreement by the Parties, except that either Party, upon thirty (30) days written notice to the other Party, may terminate this Agreement. All obligations to maintain confidentiality shall survive termination under this Article 5 and Article 9.

The Term of this Agreement shall be Two (2) years from the effective date hereof, as determined by the last date of execution.

Notwithstanding the above, the provisions of this Agreement, as they relate to

Proprietary Information, shall remain in full force indefinitely unless expressly agreed otherwise in writing by the parties. Furthermore, the receiving party agrees to promptly return or destroy, as instructed by the disclosing party, any Proprietary Information received from the disclosing party, together with all copies thereof, upon request by the disclosing party, termination of the Agreement or expiry or termination of the Purpose, whichever is earlier.

#### ARTICLE 6. PROTECTION LIMITATIONS

It is acknowledged by the Parties, that when any portion of such Confidential Information falls within any of the following provisions, such portion of such Confidential Information is released from the protection provided under this Agreement from the date such provision becomes effective:

- (a) Information which is or becomes part of the public domain without breach of this Agreement;
- (b) Information which is subsequently received from a third party who did not obtain, or disclose such information in violation of any rights of the Disclosing Party;
- (c) Information which is already known to a Party, which is substantiated by reasonable evidence;

Information which is publicly disclosed with the prior written approval of the Party that owns, or controls the information; or

Information which was independently developed by an employee of the receiving Party, who did not have access to the disclosed information, and independent development, is substantiated by reasonable evidence.

#### ARTICLE 7. CONTACT

Each Party shall designate in writing one or more individuals within its organization as the only persons authorized to receive Confidential Information exchanged hereunder. Such authorized recipients initially designated are:

ITI

LIMITED

XXXXX

Phone:

Fax:

Email ID : [pp\\_crp@itilttd.co.in](mailto:pp_crp@itilttd.co.in) , [satishkumar\\_crp@itilttd.co.in](mailto:satishkumar_crp@itilttd.co.in)

Designated authorized recipients may be changed at any time upon written notice.

#### ARTICLE 8. JUDICIAL ORDER

Notwithstanding the foregoing, nothing in this Agreement shall restrict the right of either Party to this Agreement, from disclosing such Confidential Information pursuant to a judicial order issued by a court of competent jurisdiction, or other valid and binding court ordered discovery, but only to the extent so ordered, provided, however, that the Party so ordered shall notify the other Party to this Agreement, in writing, of such pending action to compel disclosure or such order in sufficient time to permit adequate time for response by the affected Party. The receiving Party shall provide all reasonable assistance, at the disclosing Party's expense and direction, in opposing such disclosure order.

#### ARTICLE 9. TERMINATION PROVISIONS

All such Confidential Information and copies, extracts, summaries, or digests (including computer retained format) thereof shall remain the property of the disclosing Party. All such Confidential Information shall be returned to the disclosing Party upon the first of the following events shall occur:

- (a) Within thirty (30) days after the termination of this Agreement under Article 5;
- (b) At the request of a Party upon completion of the purpose(s) for which it was submitted;
- (c) Upon the determination by a Party that received the information that it no longer desires to possess such Confidential Information; or
- (d) Upon breach of any of the obligations of this Agreement, wherein such Confidential Information, and all copies thereof, shall be returned to the Party that owns or controls the Information within thirty (30) days of written demand by such Party.

#### ARTICLE 10. SUCCESSORS

This Agreement shall be binding upon and inure to the benefit of the respective successors and assigns of both Parties respectively.

## ARTICLE 11. ASSIGNMENT

Neither Party shall assign or otherwise transfer any of its rights nor shall obligations under this Agreement to any third Party inure without the prior written consent of the other Party and any attempted assignment or transfer without such prior written consent shall be null and void.

## ARTICLE 12. GENERAL PROVISIONS

No license, right, title, or interest in, or to any patent, trademark, mask work, copyright, service mark, or any other intellectual property rights, is granted or implied by disclosure of, or access to such Confidential Information disclosed hereunder. Each Party warrants that it has the lawful, unqualified right to transfer, use, or otherwise disclose the information transmitted hereunder. No other warranties, express, or implied at law, or in equity, are intended or deemed to arise by virtue of entering into this Agreement or performing hereunder.

In the event of breach of the terms of this Agreement, the failure of a Party to enforce any right under this Agreement, shall not be deemed a waiver of any right hereunder. The invalidity in whole, or in part, of any condition of this Agreement shall not affect the validity of any other condition hereof.

At all times, both Parties shall remain independent contractors, with each responsible for its own employees and representatives. This Agreement is not intended to be, nor shall it be construed as, a joint venture, **PARTNER**ship or other formal business organization, and neither party shall have the right or obligation to share any of the profits, or bear any losses, risks or liabilities of the other Party by virtue of this Agreement. Neither Party is authorized to act for, or on behalf, of the other Party, nor to bind or, otherwise commit the other Party to any contract, or other matter.

(d) This Agreement is deemed to be made under, and shall be construed in accordance with the laws of India.

(e) No amendment or modification of this Agreement shall be valid, or binding on the Parties, unless made in writing and signed on behalf of the Parties, their respective duly authorized officers, or representatives.

(f) This Agreement may be executed in counterparts and transmitted by facsimile, each of which when so executed and transmitted shall be deemed to

be an original, and all such counterparts shall together constitute one and the same instrument.

This Agreement supersedes all previous understandings between the Parties with respect to the subject matter of this Agreement.

ARTICLE 13. AGREEMENT LANGUAGE

This Agreement has been executed and delivered in text using the English language, which text, despite any translation into any language, shall be controlling.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives, as of the date listed below.

ITI Limited	XXXXXX
By _____ (Typed Name)	By _____ (Typed Name)
_____ (Title)	_____ (Title)
_____ (Signature)	_____ (Signature)
_____ (Date Signed)	_____ (Date Signed)

In the presence of

Witness

1.) Signature

Name

Address

2.) Signature

Name

**Declaration regarding "Restrictions on procurement from a Bidder of a country which shares a land border with India"**

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*(To be submitted on Applicant's Letter Head)*

To,

Dear Sir,

In reference to bid submitted by M/s against ITI EoI Document Number: procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries.

I/We certify that we/our Collaborator/Assignee are/is not from such a country or, if from such a country, have/has been registered with the Competent Authority and we will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

We here by certify that we fulfill all requirements in this regard and are eligible to be considered.

We further confirm that evidence of valid registration by the Competent Authority for us/our Collaborator/JV PARTNER / Consortium member/Assignee, as applicable, is enclosed as Annexure...

**\*Bidder to strike-off, if not applicable.**

Date: \_

\_\_\_\_\_  
Seal of Organization&

**Place:**

**Signature of Authorized Applicant**

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**Bid Security Declaration**

Dated:

To  
The ITI LIMITED  
Corporate (PP) Unit  
Bengaluru 560016

Sir,

Subject: **EoI No: ITI/COR/P&T/EoI/SMS/2026/01** dt: DD.MM.2026 for The selection of **PARTNER** for Spectrum Monitoring System

We, the undersigned, declare that:

1. I/We understand that, according to the general conditions of EoI, offers must be secured with a bid security or to be supported with a Bid-Security Declaration.
2. Accordingly, in lieu of Bid security, I/We unconditionally declare that:
  - (a). I/We undertake to stand to all our statements and declarations towards this EoI as agreed upon by us.
  - (b). I/we will not alter or change any of the conditions during the validity and after our selection as successful Technology **PARTNER** and award of this EoI.
  - (c). I/We will abide by all the terms and conditions of the EoI.
  - (d) I/we fully understand that I/we will be automatically disqualified and barred from bidding for any contract and doing business for a period of **two (2) years** upon receipt of your Barring/Blacklisting/Suspension Order,
  - (e) I/we will pay the applicable fine or damages as provided by any stipulation or guidelines from the appropriate authority in this regard for the violation of PoC Securing Declaration; and,
  - (f) I/We undertake to comply above, without prejudice to other legal action or remedies ITI Ltd. may have, to secure itself from the damages and losses incurred due to the act of default or violation by undersigned company/entity.

Duly authorized to sign the bid for and on behalf of:

[Insert complete name of **PARTNER** ]

Dated on \_\_\_ day of \_\_\_\_\_ [insert date of signing] Corporate Seal (where appropriate)

**9. DOCUMENTS / INFORMATION TO BE UPLOADED**

	<b>Check list of documents/information to be submitted</b>	<b>Page No.of document in the submitted bid</b>
i.	The profile of the <b>PARTNER</b> as per <b>Annexure-I</b> and Certificate of Incorporation of the <b>PARTNER</b> company.	
ii.	Memorandum & Articles of Association	
iii.	Audited financial statements for past three years (2022-23,2023-24,2024-25)	
iv.	Auditors Net worth certificate & Turnover certificate signed by the company's Auditors/ CA for last 3 financial years.	
v.	Experience/ Work Completion Certificate of the Product/Solution from the customer signed by the competent authority of the client entity along with the supporting documents such as Work order/Purchase order with the name of contact person, postal address, email id and telephone numbers	
vi.	List of other ToT <b>PARTNERs</b> for Spectrum Monitoring System if ToT has been completed in the past.	
vii.	Details of possession of Quality certifications	
viii.	Clause-by-Clause compliance of EoI terms and all corrigendum with supporting documents as per <b>Annexure-II</b> .	
ix.	Valid Power of Attorney on Rs.100/- Stamp Paper along with board of resolution for authorizing the person signing the bid for this EoI.	
x.	Undertaking by the <b>PARTNER</b> shall be submitted as per <b>Annexure-III</b> .	
xi.	A documentary proof of owning IPR (Intellectual Property Right) or Copyright/License for the design to be submitted.	
xii.	An undertaking to have understood and ready to sign a contract agreement by the appropriate authority immediately after being selected.	
xiii.	A Pre-Contract Integrity Pact as per the format given in <b>Annexure-IV</b> .	
xiv.	Technical literature/Brochures of the offered Spectrum Monitoring System.	

xv.	Compliance on Tentative technical requirement (Spectrum Monitoring System) Annexure-V	
Xvi	Declaration Of Relation In ITI ANNEXURE-VI	
xvii	Bid Form Annexure-VII	
xviii	Confidentiality And Non-Disclosure Agreement Annexure-VIII	
xix	Declaration regarding "Restrictions on procurement from a Bidder of a country which shares a land border with India ANNEXURE-IX	
xx	Bid security Declaration to be submitted ANNEXURE-X	
xxi	Certificate to be submitted by Bidders on Rule 144(xi) of the General Financial Rules (GFRs) 2017 on grounds of Defence of India and National Security ANNEXURE-XII	
xxii	Certificate of Local Content	
	All compliance documents and ESI certificate mentioned in EoI Document	
	Checklist of the Documents along with the page number to be submitted ANNEXURE-XI	

**Certificate to be submitted by Bidders  
(On Company's Letter Head)**

**Reference 1: ITI EoI No. ITI/COR/P&T/EoI/SMS/2026/01..issued on  
.....**

I,            in            capacity            of            authorized            signatory            of  
M/s.....having            Regd.            office  
at.....

being a participant bidder in ITI EoI cited at reference 1 above, hereby declare that I have read and understood the clause regarding Restrictions under Rule 144(xi) of the General Financial Rules (GFRs) 2017 on grounds of Defence of India and National Security issued vide OM cited at reference 2 above, on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries. I, hereby, further certify that our Company is not from such a country which shares a land border with India and in light of conditions & restrictions imposed vide cited OMs, we fulfil all the requirements in this regard to become eligible to be considered in the subject Tender Enquiry by ITI.

(Name of the authorized signatory)

Signature Designation in Company Seal / Stamp of Company

Counter signed by Company Secretary of the Company with seal / stamp