



आईटीआई लिमिटेड
नेटवर्क सिस्टम्स युनिट
सामाग्री प्रबंधन विभाग
एफ - 100, पश्चिम विंग
दूरवाणीनगर, बेंगलूरु - 560 016, भारत
फोन : +91 (80) 2566 0508
ई.मेल : materials_nsu@itilttd.co.in
ISO 9001 : 2015 प्रमाणित युनिट

ITI LIMITED

**Network Systems Unit
Materials Management Dept.**

F-100, West Wing,
Doorvaninagar, Bengaluru - 560 016, India
Tel : +91 (80) 2566 0508
E-mail : materials_nsu@itilttd.co.in
ISO 9001: 2015 Certified Unit



ITI Web-Site/ Govt. Portal

ENQUIRY

NSU 6A 02H

DATE 17 01 2026

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

Sl.No.	Item Description as per Technical Specifications
1	SUPPLY, INSTALLATION & COMMISSIONING OF DIGITAL MICROWAVE ANTENNA
	Please refer following enclosures before submitting tender: Annexure A: General Terms & Conditions for submission of Tender Annexure B: Tender Document Annexure C: Price Bid

Special Note: Please refer tender document vide Ref. No. ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026

Tender Due Date	07/02/2026, 14:00 Hrs	Tender Opening Date	07/02/2026, 15:00 Hrs
Tender Opening Venue	Materials Management Dept., N.S. Unit, I.T.I. Ltd., Dooravaninagar, Bengaluru- 560 016		
Scope of Work	As per tender document	ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026	
Delivery	As per tender document	ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026	
Terms of Payment (TOP)	As per tender document	ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026	
Performance Bank Guarantee	As per tender document	ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026	
Compliance	Point-wise compliance to each item/ Clause mentioned in Tender Document.		
Validity of the offer	180 days from the last date of submission of Bid	Tender Fee: Rs. 5,900.00/- (incl. GST)	
Earnest Money Deposit	Rs. 2,95,000.00/- . As per tender document No. ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026/ 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.		

All other terms and conditions as per Tender Document vide Tender

refer No: ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026

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,

lendhy 17/01/26
Addl. General Manager (MM)-NS

**GENERAL TERMS AND CONDITIONS FOR SUBMISSION OF TENDER (INLAND)**

ENCLOSURE TO ENQUIRY No. NSU 6A 02H DATE: 17.01.2026

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.
- (g) 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.
- (h) The validity of your offer should be for a minimum period of (As main sheet No. NSU 6A 02H) from the date of opening the tender.
- (i) 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 NSU 6A 02H from the date of receipt of the material / services at our Stores / Destination.
- (b) No payment will be made for the rejected quantity.

3. INSPECTION: (As per Enquiry NSU 6A 02H)

- (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 centre authorised 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 conforming 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 NSU 6A 02H from the date of despatch to our customer. Hence, the warranty of your products should be as per Enquiry No NSU 6A 02H 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 NSU 6A 02H)

- (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 fail 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.

8. 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:

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.

Lendhy .17/01/26
Additional General Manager-MM(NS)

Annexure B



ITI LIMITED

NSU, Bangalore

(A Govt. of India Undertaking)

Dooravaninagar. P.O. Bengaluru – 560 016

Tel : 080 - 28503639, Fax: 080 – 28503653

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Tender Ref No.: ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026

TENDER FOR SUPPLY, INSTALLATION & COMMISSIONING OF DIGITAL MICROWAVE ANTENNA

[Two Bid System]

TENDER DOCUMENT FOR SUPPLY, INSTALLATION & COMMISSIONING OF DIGITAL MICROWAVE ANTENNA

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. The major customers are BSNL, BBNL, MTNL, Defense, Paramilitary forces, Railways, Banks, Central & State Govt. departments, Institutions and research organizations. ITI has a PAN India business footprint supported by the network of its Manufacturing units & MSP (Marketing, Services and Project) units at various locations.

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 has diversified its operation and has been executing Turnkey projects in the field of Smart Infrastructure, Bharat net, and Defense Network Rollout etc.

2. GENERAL INFORMATION

SL NO	DESCRIPTION	INFORMATION
1	REFERENCE NO. OF TENDER DOCUMENT	Ref.: ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 17.01.2026
2	DATE OF UPLOADING OF TENDER DOCUMENT	17.01.2026
3	MODE OF SUBMISSION OF TENDER	https://itilimited.ewizard.in
4	LAST DATE & TIME FOR SUBMISSION OF BIDS	07.02.2026 AT 14.00 Hrs
5	DATE & TIME OF OPENING OF TECHNICALBIDS	07.02.2026 AT 15.00 Hrs
6	OPENING OF FINANCIAL BIDS	WILL BE INTIMATED LATER
7	TENDER FEE	Rs. 5,900.00/-
8	EARNEST MONEY DEPOSIT (EMD) IN THE FORM OF DEMAND DRAFT/ BANKERS CHEQUE.	Rs.2,95,000.00 (1 % of Estimated Tender Cost) (The EMD has to remain valid for a period of 45 days beyond the final bid validity period)
9	AVERAGE LAST THREE YEAR FINANCIAL TURNOVER	Rs. 88,50,000.00/- (30% of estimated Tender cost)
10	ADDRESS FOR BID SUBMISSION	https://itilimited.ewizard.in
11	VALIDITY	180 days from the last date of submission of bid.
12	PERFORMANCE BANK GURANTEEE	5% of contract value of P.O. value, valid throughout warranty period + 60 days
13	SECURITY DEPOSIT	5% Tax invoice retained from running bills
14	LEAD TIME FOR SUPPLY	Delivery will be taken in staggered manner in lots. Separate Release Order will be released for each Lot. Supply to be start within 30 days from the date of Release Order or else LD will be applicable.
15	CONTACT PERSON	AGM MM, NSU, Bangalore Technical queries: rakeshranjan_nsu@itilttd.co.in
16	ESTIMATED TENDER COST	Total Estimated Cost= Rs. 2,95,00,000.00/- (Including. GST)

17	WARRANTY	Warranty of hardware equipment shall be for 03 (Three) years from the date of acceptance of the Material. Acceptance Certificate will be issued by ITI.
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3. The tender is invited in TWO BIDs, consisting of Technical Bid and Price/Commercial Bid.

**3.1 The Technical Bid (Part-A) without the Price shall contain the following details:
e-Envelope-I [TECHNICAL BID]**

Tender documents shall be filled, signed and submitted/Uploaded in original. The submitted Tender shall consist of the following:

- (i) Cover note by the Bidder indicating the name of the Company/Organization, address, communication details (mobile numbers, e-mail ids for correspondence), name of the contact person, designation of the Bid submission authority.
- (ii) All the documents regarding eligibility criteria.
- (iii) Bidder's Profile (**Organisation Setup of the Company**) [ANNEXURE-XII]
 - (i) Acceptance of all the terms & conditions indicated in our tender.
 - (ii) Audited financial statements for the last three years.
 - (iii) Income Tax Return for the last three financial years.
 - (iv) PAN Number and GST Registration certificate.
 - (v) Earnest Money Deposit (EMD) - as specified in the tender shall be payable with the bid.
- (vi) MSE Bidders registered with MSME need not to submit the EMD. Such firms shall produce proof of registration in own name with MSME and NSIC. Submit/upload Bid Security Declaration Form attached at [ANNEXURE-II]
- (vii) Power of attorney in the case as an authorised representative who has signed the tender.
- (viii) An integrity pact duly signed by the bidder shall be submitted. Any bid without a signed Integrity pact shall be rejected. [ANNEXURE-III]
- (ix) Non-Disclosure Agreement duly signed by the bidder shall be submitted. Any bid without a signed Non-Disclosure Agreement shall be rejected. [ANNEXURE-IV]
- (x) Single point of contact (SPOC) details for official communication (Name, Mobile No., Email id, Address).

NOTE:

- *Tenders not submitted on time will not be considered and will be summarily rejected. Tender documents shall be filled and submitted in original [all pages of tender documents to be sealed and signed/digitally signed], along with the technical bid.*
- *The conditional tender will not be considered and will be summarily rejected.*
- *There shall not be any financial quote in the Technical Bid.*
- *The quantity shown in the tender are the estimated quantity and may subject to variation according to the needs of the work execution*

e-Envelope- II [COMMERCIAL BID]

The Price/ Commercial Bid (Part-B), consists of Priced Bid (Proforma given in **[Annexure-C]** with the rate quoted in figures and words only. Incomplete Price bid is liable for rejection.

I. ELIGIBILITY CRITERIA FOR THE BIDDERS

WORK EXPERIENCE: Bidder should have minimum three years' experience in the field of Supply & installation of Digital Microwave Antenna as below.

- a. Three similar works each costing not less than 40% of the estimated cost put to tender or
- b. Two similar works each costing not less than 50% of the estimated cost put to tender or
- c. One similar work costing not less than 80% of the estimated cost put to tender.

Bidder shall provide work completion certificate for similar works.

- a. Similar works mean Supply & Installation of Digital Microwave System including Antenna or Digital Microwave Antenna.
- b. Authorised channel partners are eligible for participating on behalf of OEMs, but they have to qualify for all eligibility criterion of this tender and have to submit authorisation certificate from OEM of Antenna.
- c. Lowest Bid will be decided on the basis of **Total Cost which includes Supply of digital Microwave Antenna, Installation and Commissioning of Microwave Antenna.**

II. FINANCIAL STRENGTH

The average annual financial turnover for the last 3 years (up to 31st March 2025) shall not be less than 30% of the estimated cost. The requisite Turnover shall be duly certified by a Chartered Accountant with his seal/Signatures and registration number as per format given in **[ANNEXURE-VI]**.

- The Bidder shall have a positive Net Worth at the end of last financial year.
- The Bidder shall submit Audited financial statements for last Three years by CA.

4. EARNEST MONEY DEPOSIT (EMD):

As specified in the tender/enquiry and tender document fee shall be payable with the bid. EMD to remain valid for a period of 45 days beyond the final bid validity period. Micro small Enterprise (MSE) Organizations, Startups are exempted from EMD and tender fee. But bid securing declaration form (**ANNEXURE-II**) need to be submitted.

This shall be paid well in advance of tender submission time through **Bank Guarantee/ Online Payment through eWizard payment gateway** in favour of ITI Ltd, N.S. Unit, Bangalore-560016. The Bank details is attached as **ANNEXURE-XVI**. Proof/receipt of payment of cost of EMD to be uploaded. The format for submission the BG is attached at **ANNEXURE-XIV**.

Note: The EMD amount transfer Details/BG details shall be indicated on the letter head along with a scanned copy of the above payment must be uploaded during tender submission.

The EMD may be forfeited:

- If a bidder withdraws the bid after bid opening during the period of validity.
- The information provided by the bidder is found to be false/forged document have been provided. This will entail black listing of the tender also.

- 1) **Return of Earnest Money deposit:** No interest shall be allowed on the Earnest Money deposit by the Bidder. The EMD of the unsuccessful bidder(s) will be refunded on their request after the finalization of the contract.
- 2) The Earnest Money deposited by the successful bidder will be retained towards the Security deposit for the fulfilment of the contract.

- 3) EMD shall be forfeited if the Bidder fails to submit the balance amount of Performance Bank Guarantee within 30 days.

5. PERFORMANCE CUM WARRANTY BOND (PBG)

PBG will be submitted by the successful bidder in the form of Performance Bank Guarantee (PBG) equal to 5% of the Purchase order value through the scheduled bank of India in favour of ITI.

- PBG to be submitted by successful bidder awarded the PO as per above to ensure due performance.
- PBG has to be furnished within 15 days from the date of issue of LOI/PO and should remain valid for a period of 60 Days after the completion of 3 years' warranty obligation of the Bidder.
- No interest shall be allowed on the PBG by the Bidder.
- Bidder shall submit **performance bank guarantee bond** as per [ANNEXURE-VII]

6. SECURITY DEPOSIT (SD)

In addition to PBG, Security Deposit 5% of tax invoice will be retained as security deposited. The EMD of the successful Bidder shall be adjusted against the SD. In case the contractor furnishes the Bank Guarantee from scheduled Bank against 5% SD, then the same may be accepted and EMD will be returned.

Return of Security Deposit: SD will be returned after completion of warranty period and after deducting LD/loss to ITI due to negligence/delay on part of bidder and if following conditions are met.

- Final Payment of the Contract.
- Execution of Final Supplementary Agreement or Certification by Engineer that ITI has No Claim on Contractor.
- Work Completion Certificate issued, on expiry of the warranty period wherever applicable.
- No interest shall be allowed on the Security Deposited by the Bidder

7. LIQUIDITY DAMAGES (LD)

For any delay in execution of the PO/contract as per the time line stipulated in the PO, LD shall be as per ITI Clauses (@ 0.5% of order value per week or part thereof subject to a maximum of 10% of the order value undelivered portion. The order value (if the item(s) cannot be used unless full supply is made) or to cancel the order and purchase the materials from alternative source at the risk and cost of the supplier OR as per the end customer PO/ Tender clause whichever is higher.

The timelines for completing the work shall be as defined in the P.O. released to the successful bidder and any delay shall trigger LD clause as mentioned above.

Delay attributed to **Force Majeure** or enhancement in the scope of work by the way of modification or delay on the part of ITI in the clearing the site, furnishing of clarification, supply of ITI materials etc. shall not attract LD.

8. PAYMENT TERMS AND CONDITIONS

- a) Delivery of the material will be lot wise (maximum 2 lots) within one Months from the date of issuance of PO.
- b) For each lot, ITI will issue a Release Order confirming the quantity to be supplied consignee-wise at respective sites as per delivery plan.

Separate LCs will be opened for each lot against Purchase Invoice raised by the bidder. All bank charges with respect to LC opening, extension, amendment and retirement would be borne by the bidder.

- c) Payment terms for each lot will be as given below:

70% from the date of supply with the credit period of two months (60 days) from the supply.

20% against successful Installation, Commissioning, completion of Integration of all Existing Microwave Equipment and Completion of JRI. I&C & JRI (Joint Receipt Inspection) Completion Certificate will be issued by ITI or 180 days from date of supply whichever is earlier.

10 % after 60 days of successful completion of Integration of all ANTENNA with Existing Microwave Equipment or 270 days from date of supply whichever is earlier.

Location details for supply and installation work will be intimated later by ITI.

9. Special Terms and Conditions:

- 9.1 Bidder shall submit the following documents with the bid:

- (i) Bidder shall Supply the Material not manufactured in '**Country of Concern**' and submit the **Undertaking** from OEM stating that:

Final delivery/supply of equipment/cards as part of Project "Customer project name "including spares / maintenance equipment to be provided during the warranty period will be Non-'Country of Concern' for "Customer project name."

Please Note-

- a) '**Country of Concern**' implies country sharing land border with India
- b) "**Customer project name** "Please contact ITI for Customer Project Name

(Refer ANNEXURE-XIII)

- (ii) The Bidder shall submit OEM undertaking for IT Act 2000 & non-malicious code certificate of the offered Equipment. (**Refer ANNEXURE-XIII**)
- (iii) Product Data sheet/Brochure of each quoted item.
- (iv) OEM authorization Certificate mentioning tender reference.
- (v) Letter from OEM stating that the offered product will be supported by OEM for next 13 years as the project life time is about 13 Years (2 years Implementation +3 years Warranty), so minimum 13 years' life span of the equipment is required.
- (vi) In case OEM fails to support for 13 years, then it will be bidder's responsibility to provide support during the left-out period and in such cases, bidder has to submit undertaking.
- (vii) In case, Bidder fails to provide the support for any item due to EOL/EOS/any circumstance beyond control at any stage of the project, then Bidder shall provide the compatible replacement item meeting all the operation and functional requirement without any extra cost to ITI after approval from end customer.
- (viii) End of Life (EOL) or End of Sale (EOS) of any offered product should be notified to ITI one year in advance. Bidder has to support during the Change management process for EOL/EOS products/ items.
- (ix) Bidder shall deliver the proof of concept (POC) material within given timelines and ensure the timely installation for POC.
- (x) ITI shall place order for additional quantity (if required) within 12 Months from the date PO.

- (xi) If the L1 Party fails to successfully complete the Proof of Concept (PoC) with the existing digital microwave system, ITI will proceed to invite the L2 Party for conducting the PoC. The Purchase Order (P.O.) will be issued to the L2 Party only upon successful completion of the PoC, and the P.O. shall be issued at the L1 rates.

Note:

ITI reserves the right to cancel//withdrawn this tender at any stage of the tendering process without any reason and prior intimation to bidders.

10. WARRANTY

- (i) Warranty of equipment shall be for 03 (Three) years from the date of acceptance of the Material after successful completion of JRI. During warranty period, comprehensive maintenance including technical support through telephone, E-mail or site visit (if required – limited to Delhi, Raebareli & Srinagar Warehouse) with no additional cost to ITI shall be provided by Bidder.
- (ii) Warranty of equipment shall cover repair/ replacement of faulty hardware (supplied items), technical support through telephone, E-mail or onsite visit free of cost.
- (iii) Warranty of equipment also cover Integration warranty with no additional cost to ITI shall be provided by Bidder.
- (iv) Acceptance of the material shall mean receipt of material and completion of JRI.
- (v) TAT (Turn-around time) for faulty Antenna & accessories will be 10 days from the date of reporting of fault in the equipment by ITI to the Bidder and date of receipt back of the rectified equipment at site.
- (vi) The LD/penalty (if any) will be recovered from the Performance Bank Guarantee (PBG). If the amount exceeds that of PBG the balance amount will be adjusted against the payments made to the Bidder till the penalty amount is recovered fully.

11. DELIVERY OF MATERIAL: Bidder shall deliver the material as per **ANNEXURE-VIII**.

BILL OF QUANTITY & TECHNICAL SPECIFICATION

Bidder has to submit bid covering following:

Supply, Installation and Commissioning of digital Microwave Antenna with accessories for integration of existing Digital Microwave Equipment of all items complying technical specifications as given at SL. No. 1& 2 of this ANNEXURE.

1. Bill of Material for the Supply

S. No.	Description	Qty
a)	Antenna 0.6 m	2
b)	Antenna 1.8 m	6
c)	Antenna 2.4 m	8
d)	Antenna 3 m	12
e)	Antenna 3.7 m	10
	Total	38

All Antennas will be supplied & installed on Microwave Towers. A microwave network already exists, in which the **antenna, ODU, and IDU** have been installed by a third party. This order is for the **supply and installation of additional antennas**, which must be **fully compatible and integrated with the existing digital microwave equipment** (ODU and IDU).

The bidder shall:

- Supply antennas along with **compatible OMTs and waveguides** suitable for the existing digital microwave system.
- Be fully responsible for the **integration, alignment, and commissioning** of the new antennas with the existing microwave equipment at site.

Hence, It is strongly recommended that bidders **visit the site(s)** to inspect and understand the existing microwave equipment configuration in order to properly plan the supply and integration of the new antennas.

The site location(s) (e.g., Delhi or other locations) will be specified during the **Pre-Bid Meeting**

2. Technical Specification

Common Specification

Antenna. The MW radio should be offered with a high performance antenna system having 0.6 mtr, 1.8 mtr, 2.4 mtr, 3 mtr and 3.7 mtr diameter, as per actual requirement for a particular link, having the following features: -

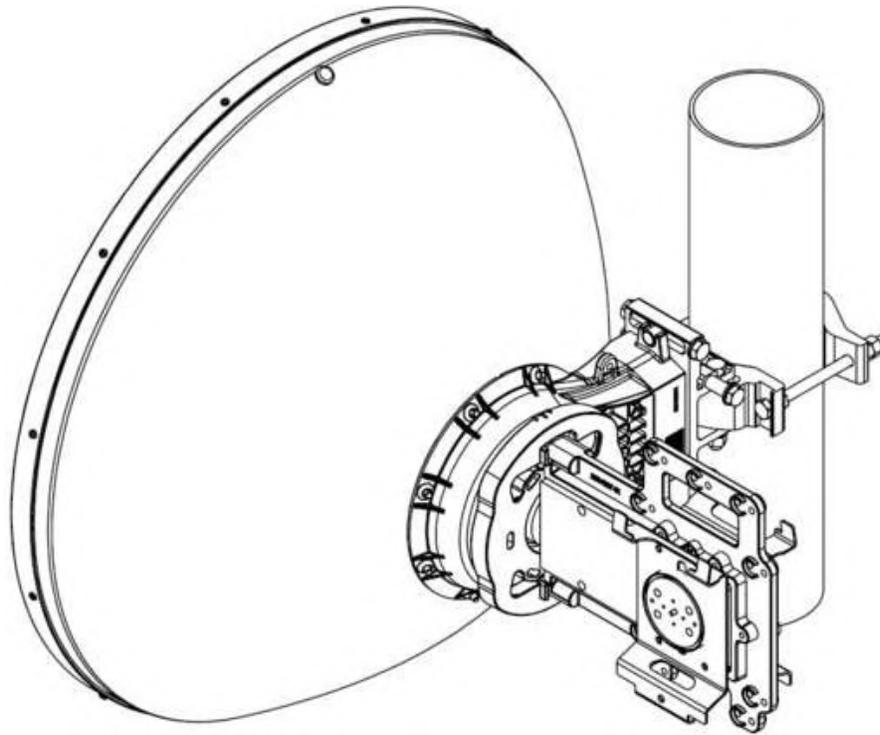
- (a) Should have suitable fixtures to mount it on a tower.
- (b) It must be ensured that there is no interference caused due to disorientation of antenna.
- (c) The protecting mechanism must be robust enough to ensure operational wind velocity upto 120 Kmph and a survival wind velocity of upto 180 Kmph.
- (d) Side lobe/Back lobe attenuation: Better than 10 dB.
- (e) Dual polarization antennas

Antenna Port Interface.

- (a) For Remote mounting of an ODU of Split version, to a standard antenna, Bidder shall indicate the arrangement for connecting to a standard antenna from third party that calls for pressurisation. (This will be the arrangement at Static sites of antenna size 1.8m, 2.4m, 3m & 3.7 m).
- (b) For direct mounting of an ODU of Split version, to the antenna, Bidder shall provide mounting kit along with the standard antenna; detailed drawings regarding the mounting details and antenna specifications are to be furnished. (This will be the arrangement at transportable/mobile sites of antenna size 0.6m).

Individual Antenna Technical specification

1. 0.6 m 7/8 GHz, high performance, dual polarized antenna
ANT2 0.6 7/8 HPX/ANT3B 0.6 7/8 HPX



0.6 m 7/8 GHz, high performance, dual polarized antenna

This is a complete modular antenna delivered in a single box containing both the antenna module and the interface module. The two modules are easily assembled at site. The interface module is replaceable, enabling easy field upgrades. Major benefits include:

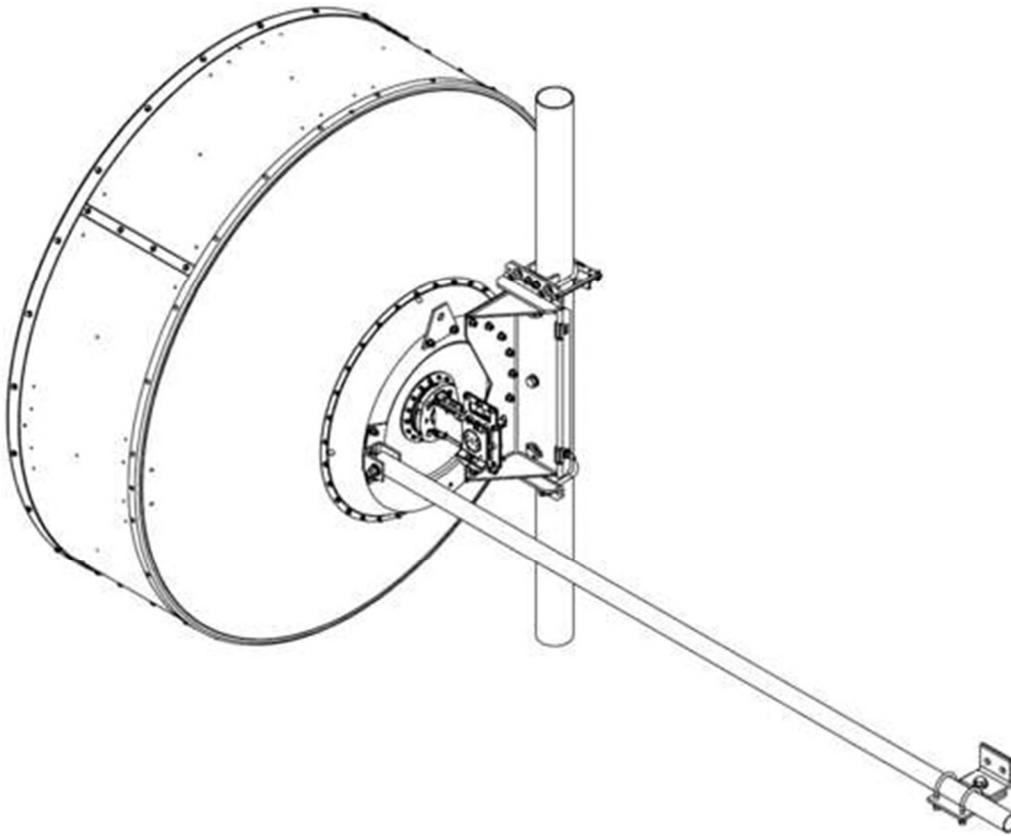
- dual polarized
- No antenna re-alignment
- Reduced traffic disturbance

0.6 m 7/8 GHz, high performance, dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	0.6 m / 2 ft
3	Radio specifications		
3.1		Antenna gain (Mid Band)	≥ 35 dBi
3.2		Antenna half power beam-Width	4.7 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	57 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	14 / 1.50
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT3
4.4		Polarization	Dual polarized
4.5		Size	0.6 m / 2 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Wind Speed	Upto 180KM/hr

2. 1.8 m 7/8 GHz, high performance, dual polarized antenna.

ANT2 1.8 7/8 HPX/ANT3B 1.8 7/8 HPX



1.8 m 7/8 GHz, high performance, dual polarized antenna.

This is a complete modular antenna delivered in a single box containing both the antenna module and the interface module. The two modules are easily assembled at site. The interface module is replaceable, enabling easy field upgrades. Major benefits include:

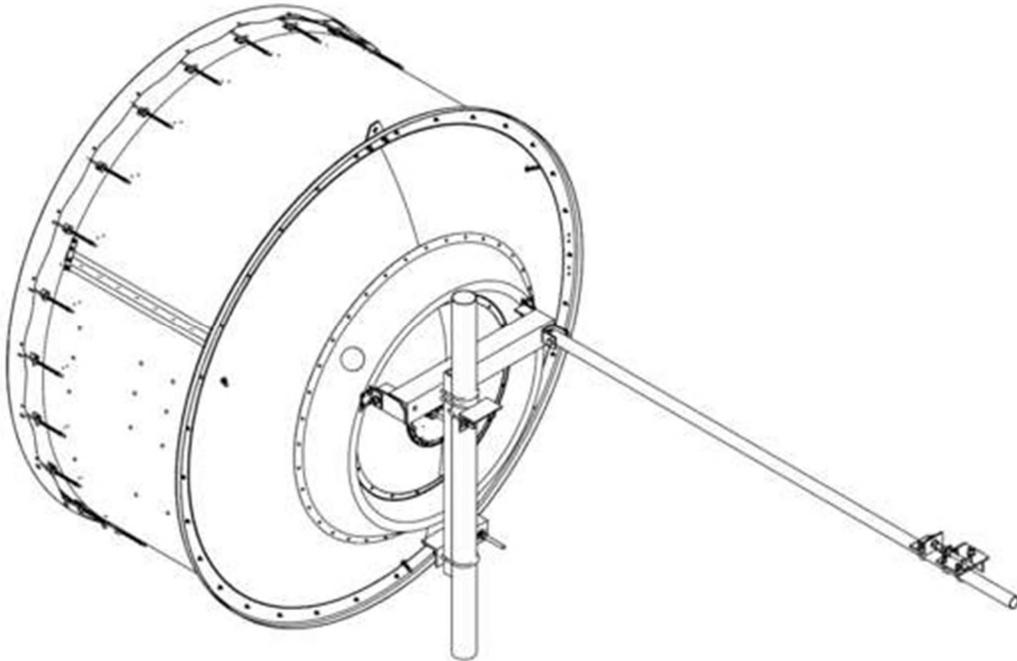
- dual polarized
- No antenna re-alignment
- Reduced traffic disturbance

1.8 m 7/8 GHz, high performance, dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	1.8 m / 6 ft
3	Radio specifications		
3.1		Antenna gain(Mid Band	40.8 dBi
3.2		Antenna half power beam-Width	1.3 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	67 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information	Antenna type	HPX
4.1		Frequency	7/8 GHz
4.2		Integration interface	ANT3
4.3		Polarization	Dual polarized
4.4		Size	1.8 m / 6 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Wind Speed	Upto 180 KMs/hr

3. 2.4 m 7/8 GHz dual polarized antenna.

ANT0 2.4 7/8 HPX/ ANT0B 2.4 7/8 HPX



2.4 m 7/8 GHz dual polarized antenna.

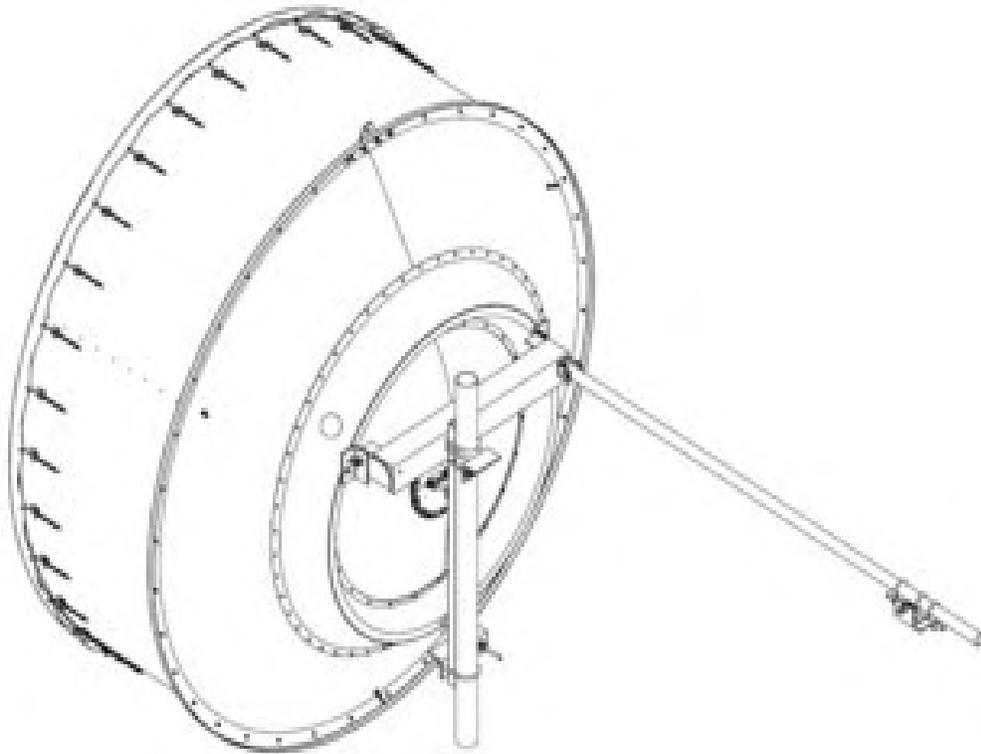
This antenna only supports separate installation of the radio unit.

2.4 m 7/8 GHz dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications	Dimensions (excl. packaging)	2.4 m / 8 ft
3	Radio specifications		
3.1		Antenna gain (Mid Band)	42.9 dBi
3.2		Antenna half power beam-width	1.1 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	71 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT0
4.4		Polarization	Dual polarized
4.5		Size	2.4 m / 8 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Win Speed	Upto 180 KM/hr

4. 3.0 m 7/8 GHz dual polarized antenna.

ANT0 3.0 7/8 HPX/ANT0B 3.0 7/8 HPX



3.0 m 7/8 GHz dual polarized antenna.

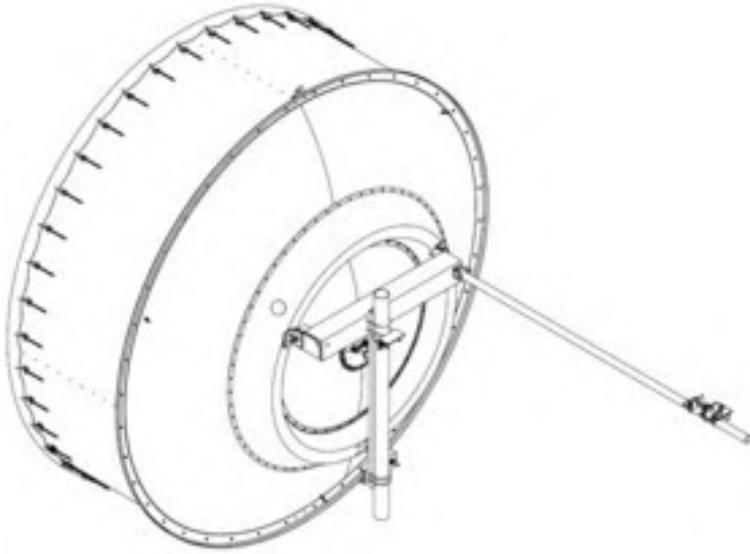
This antenna only supports separate installation of the radio unit.

3.0 m 7/8 GHz dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	3.0 m / 10 ft
3	Radio specifications		
3.1		Antenna gain(Mid Band)	44.4 dBi
3.2		Antenna half power beam-width	0.9 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	72 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT0
4.4		Polarization	Dual polarized
4.5		Size	3.0 m / 10 ft
4.6		Development of OMT with Existing Radio System	Vendor Responsible For the same
4.7		Support Wind Speed	Upto 180KM/hr

5. 3.7 m 7/8 GHz dual polarized antenna.

ANT0 3.7 7/8 HPX/ANT0B 3.7 7/8 HPX



3.7 m 7/8 GHz dual polarized antenna.

This antenna only supports separate installation of the radio unit

3.7 m 7/8 GHz dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	3.7 m / 12 ft
3	Radio specifications		
3.1		Antenna gain(Mid Band)	46.8dBi
3.2		Antenna half power beam-width	0.8 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	75 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT0
4.4		Polarization	Dual polarized
4.5		Size	3.7 m / 12 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Wind Speed	Upto 180KM/hr

NOTE:

- a) The scheduled quantity may vary post successful completion of POC.
- b) P.O. will be issued after successful completion of POC of supplied Antennas at site.
- c) ITI reserves the right for placement of repeat order if required within one year from original Purchase Order date.
- d) The supplier will not be entitled, to any compensation for any increase / decrease in the quantities of work done and materials supplied.
- e) An undertaking to be submitted by bidder that bidder understand the existing digital microwave radio system and be responsible for successful integration with existing ODU & IDU system.

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.

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 the 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)

PRE CONTRACT INTEGRITY PACT

PURCHASE ENQUIRY/ORDER No.

THIS Integrity Pact is made on.....day of20.

BETWEEN:

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

AND:

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

Preamble

WHEREAS the Principal intends to award, under laid down organizational procedures, contract for of ITI Limited (name of the Stores/ Equipments/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 tender process and the execution of the contract for compliance with the principles as mentioned herein this agreement.

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

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

SECTION 1 – COMMITMENTS OF THE PRINCIPAL

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
- a. No employee of the Principal, personally or through family members, will in connection with the tender for or the execution of the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the personal is not legally entitled to.
 - b. The Principal will, during the tender process treat all bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all bidder(s) the same information and will not provide to any bidder(s) confidential/additional information through which the bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

c. The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC 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

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 tender process and during the execution of the contract.

a. The bidder(s)/contractor(s) will not, directly or through any other person or firm offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b. The bidder(s)/contractor(s) will not enter with other bidders/contractors into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The bidder(s)/contractor(s) will not commit any offence under IPC/PC Act, further the bidder(s)/contractor(s) will not use improperly, for purposes of competition of personal gain, or pass onto others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any.

e. The Bidder(s)/Contractor(s) will, when presenting the bid, disclose any and all payments made, are committed to or intend to make to agents, brokers or any other intermediaries in connection with the award of the contract.

f. The Bidder(s)/Contractor(s) will not bring any outside influence and Govt bodies directly or indirectly on the bidding process in furtherance to his bid.

g. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

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

3.1 If the Bidder(s)/Contractor(s), during tender process or before the award of the contract or during execution has committed a transgression in violation of Section 2, above or in any other form such as to put his reliability or credibility in question the Principal is entitled to disqualify Bidder(s)/ Contractor(s) from the tender process.

3.2 If the Bidder(s)/Contractor(s), has committed a transgression through a violation of Section 2 of the above, such as to put his reliability or credibility into question, the Principal shall be entitled exclude including blacklisting for future tender/contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case, particularly taking into account the number of transgression, the position of the transgressor within the company hierarchy of the Bidder(s)/Contractor(s) and the amount of the damage. The exclusion will be imposed for a period of minimum one year.

3.3 The Bidder(s)/Contractor(s)with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken. The undertaking is given freely and after obtaining independent legal advice.

3.4 A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that on the basis of facts available there are no material doubts.

3.5 The decision of the Principal to the effect that breach of the provisions of this Integrity Pact has been committed by the Bidder(s)/ Contractor(s) shall be final and binding on the Bidder(s)/ Contractor(s), however the Bidder(s)/ Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.

3.6 On occurrence of any sanctions/ disqualifications etc arising out from violation of integrity pact Bidder(s)/ Contractor(s) shall not entitled for any compensation on this account.

3.7 subject to full satisfaction of the Principal, the exclusion of the Bidder(s)/ Contractor(s) could be revoked by the Principal if the Bidder(s)/ Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption preventative system in his organization.

SECTION 4 – PREVIOUS TRANSGRESSION

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

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

SECTION 5 – COMPENSATION FOR DAMAGE

5.1 If the Principal has disqualified the Bidder(s)/Contractor(s) from the tender process prior to the award according to Section 3 the Principal is entitled to forfeit the Earnest Money Deposit/Bid Security/ or demand and recover the damages equitant to Earnest Money Deposit/Bid Security apart from any other legal that may have accrued to the Principal.

5.2 In addition to 5.1 above the Principal shall be entitled to take recourse to the relevant provision of the contract related to termination of Contract due to Contractor default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor or demand and recover liquidate and all damages as per the provisions of the contract agreement against termination.

SECTION 6 – EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS

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

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

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

SECTION 8 – INDEPENDENT EXTERNAL MONITOR(S)

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

8.8 Details of the Independent External Monitor appointed by the Principal at present is furnished below: -

IEM I

Shri Atul Jundall, IFS (Retd.)

3/10 Vishesh Khand Opp. Little Friend School

Gomti Nagar, Lucknow-226010(UP)

IEM II

Shri Benny John, IRS (Retd.),

Villa No. 36, Kent Plam Villas,

Fort Valley Township, Athani,

Kakkanad, Ernakulam, Kerala- 682 030

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

SECTION 9 – FACILITATION OF INVESTIGATION

9.1 In case of any allegation of violation of any provisions of this Pact or payment of commission, the Principal or its agencies shall be entitled to exam in 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 the seat of the Principal.

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

SECTION 11 – PACT DURATION

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

11.2 If the Bidder(s)/Contractor(s) is unsuccessful, the Pact will automatically become invalid after three months on evidence of failure on the part of the Bidder(s)/Contractor(s).

11.3 If any claim is lodged/made during the validity of the Pact, the same shall be binding and continue to be valid despite the lapse of the Pact unless it is discharged/determined by the Chairman and Managing Director of the Principal.

SECTION 12 – OTHER PROVISIONS

12.1 This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate Office of the Principal at 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 partnership, the pact must be signed by all consortium members and partners.

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

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

12. 4 The action stipulates in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

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

For PRINCIPAL

For BIDDER(S)/CONTRACTOR(S)

.....

.....

(Name & Designation)

(Name & Designation)

Witness

Witness

1).....

1).....

2).....

2).....

MUTUAL NON- DISCLOSURE AGREEMENT

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

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

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

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

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

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

Communicated/disclosed in writing, orally, or through visual observation or by any other means to one party (hereinafter referred to as the receiving party) by the other party (hereinafter referred to as one disclosing party). Information shall be subject to this Agreement, if it is in tangible form, only if clearly marked as proprietary or confidential as the case may be, when disclosed to the receiving party or, if not in tangible form, its proprietary nature must first be announced, and it must be reduced to writing and furnished to the receiving party within thirty (30) days of the initial disclosure.

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

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

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

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

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

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

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

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

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

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

Each party agrees not to remove any of the other party's Confidential Information from the premises of the disclosing party without the disclosing party's prior written approval. Each party agrees to exercise extreme care in ITI Ltd. RFP. No. _____ protecting the confidentiality of any confidential

information, which is removed, only with the disclosing party's prior written approval, from the disclosing party's premises. Each party agrees to comply with any and all terms and conditions the disclosing party's may impose upon any such approved removal, such as conditions that the removed confidential information and all copies must be returned by a certain date, and that no copies are to be made off of the premises.

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

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

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

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

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

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

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

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

That in case of any dispute or differences, breach & violation relating to the terms of the agreement. The said matter or dispute, difference shall be referred to sole arbitration of Chairman ITI Ltd or any other person appointed by him. That the award of the arbitrator shall be final and binding on both parties. In the vent of such arbitrator to whom the matter is originally referred to is being transferred or vacates his office on resignation or otherwise or refuses to do work or neglecting his work or being unable to act as Arbitrator for any reasons whatsoever, the Chairman ITI Ltd shall appoint another person to act as Arbitrator in place of outgoing Arbitrator and the person so appointed shall be entitled to proceed further with the reference from the stage at which it was left by his predecessor. The M/s ----- will have No Objection in any such appointment, that arbitrator so appointed is employee of ITI Ltd. The said Arbitrator shall act under the Provisions of the Arbitrator and Conciliation Act, 1996 or any statutory modifications or re-enactment there of any rules made thereof.

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

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

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

(M/s-----)

Signature_____.

Printed Name:_____.

Title:_____.

ITI Ltd

RFP No. _____

Exhibit A

(M/s ITI Ltd.)

Signature: _____

Printed Name: _____

Title: _____

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

Confidential Information of M/s. ITI Ltd. With respect to RFP No. _____

All sites and their related information.

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

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

ITI Ltd : _____

Signed

M/s -----

Signed

UN-PRICE BID PERFORMA

Supply, Installation and Commissioning of digital Microwave Antenna with existing Digital Microwave Equipment

TABLE-A

		(In letter head with date, seal and signature of Bidders)					
Tender Reference		Ref: ITI/ESG/ASCONPh-4/MW/ANTENNA Dtd. 16.01.2026					
Name & Address of the Bidder							
Description		Supply of MICROWAVE ANTENNA					
Sl. No.	Item Description	Unit	Quantity	Unit Price (Rs.)	Total Price (Rs)	GST Amount (Rs)	Total Amount including GST (Rs.)
1	Antenna 0.6 m	Nos.	2				
2	Antenna 1.8 m	Nos.	6				
3	Antenna 2.4 m	Nos.	8				
4	Antenna 3 m	Nos.	12				
5	Antenna 3.7 m	Nos.	10				
6.	Compatible wave guide and fitment accessories	Nos.	38				
		Total					
		Total Price (in Words)					

Signature of the bidder with Seal

Important Notes:

- 1) COMMERCIAL BID (e-ENVELOPE-II) must consist of price bid as mentioned above.
- 2) Price breakup should be provided by the Bidder for detailed BOM for Line Item in TABLE-A for e-Envelope - II (Commercial Bid Opening). If Bidder fails to provide the price breakup for detailed BOM for Line Item of TABLE-A, bid is liable for rejection.
- 3) UN-PRICED Bid as above along with detailed BOM breakup should be sealed and signed by Bidder on their Letter Head and the same to be submitted along with Technical documents for Technical Bid opening (e-ENVELOPE-I).

Signature of the bidder with Seal

TURN OVER FOR LAST THREE YEARS.

Sl. No.	Financial year	Turnover	Average of three years
1	2022-23		
2	2023-24		
3	2024-25		

Note:

In addition to the above, the applicant has to submit the following documents/information,

- a. Copy of the balance sheets
- b. Copy of the valid GST no.
- c. Copy of the PAN/TAN.
- d. Details of litigation if any.
- e. Other relevant details if any.

The requisite Turnover certificate shall be duly certified by a Chartered Accountant with his seal /Signature and Registration No.

Signature of the bidder with Seal

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:
Bank)

For (indicate the name of

TENTATIVE DELIVERY SCHEDULE

- (i) Delivery of the material shall be lot wise (maximum 2 lots) within one Months from the date of successful completion of POC.
- (ii) ITI will provide the schedule of staggered delivery (release order) after successful completion of POC.
- (iii) Delivery of the items will be at Raebareli & Srinagar Warehouse. Location details will be shared after signed of NDA.
- (iv) Pre-Despatch Inspection (PDI) will be the responsibility of Bidder.
- (v) Bidder will support during Joint Receipt Inspection (JRI) of the material and support in ATP(Acceptance Test Procedure) .

SCOPE OF WORK

1. Bidder shall Supply of digital Microwave Antenna, Installation and Commissioning of Microwave Antennaas per BoQ & Technical specifications given in **ANNEXURE-I**

2. Proof of Concept (POC):

- (i) Successful Bidder shall provide each type of offered antenna for POC trials on one link (at two sites) on No Cost-No Commitment (NC-NC) basis at field Location (provided later).
- (ii) Bidder has to establish microwave link with each type of antenna and successfully integrate with existing microwave system (ODU & IDU).
- (iii) LOI will be issued to L1 party after that Bidder shall deliver the POC material within 15 days from the date of issue of the LOI by ITI and ensure the timely installation and commissioning for POC.
- (iv) Bidder shall Install each type of antenna on microwave tower and Integrate with existing Digital Microwave Equipment and provide on-site technical support during POC Trial.
- (v) Bidder shall provide POC Acceptance Test Procedure documents to ITI before POC Trial.
- (vi) Bidder shall demonstrate the test cases and shall be responsible for the acceptance of each test case related to Antenna & integration with Existing Digital microwave Equipment to the ITI/End customer during POC trial.
- (vii) P.O. will be only issued after successful completion of PoC.

3. Installation:

- (i) After successful completion of POC trial, Bidder shall install All antenna during implementation (Site Location details will be shared later). Installation work includes the following:
 - a) Mounting of Antenna on Tower.
 - b) Alignment of Antenna
 - c) connecting with ODU
 - d) Integration of Antenna with existing Digital Microwave Equipment.
 - e) Bidder has to provide Installation Manual, User Manual & on the job installation Training to ITI Team during installation.

Any other item required for the completion of above work shall be provided by the bidder without any additional cost to ITI.

- f) **Integration with** existing Digital Microwave Equipment: All Sites where Antennas will be supplied & installed on Microwave Towers. ODU & IDU will be installed by third party along with Antenna installation. Bidder shall be responsible/support for integration of these sites on with existing Digital Microwave Equipment and perform ATP of Antenna system of all supplied antenna with support of ITI & Third party.

User training materials and guidelines for operating the integrated system effectively shall be provided by the bidder

Bidder shall provide the post-integration maintenance and support for 3 years warranty.

Bidder shall be responsible for the Installation, commissioning & Integration of all supplied antenna with Existing microwave ODU & IDU.

4. **Pre-Dispatch Inspection (PDI):**

After successful completion of POC, PDI of the ordered items shall be conducted by OEM in the presence of ITI and End Customer at OEM premises in India preferably at Delhi.

Bidder shall deliver the Items only after the successful completion of PDI and dispatch approval from ITI.

Bidder shall provide the PDI Acceptance Test Procedure documents to ITI.

Bidder shall provide all the required infrastructure and test instrument required for successful completion of PDI as per approved ATP Document. Items shall be dispatch at ITI designated locations as per approved dispatch plan by ITI.

5. **Joint Receipt Inspection (JRI):**

Bidder shall support during JRI which will be conducted after the delivery of items at Sites. The Bidder shall provide JRI acceptance procedure documents to ITI for further approval by end customer and the final approved document would be used for conduction of JRI.

TECHNICAL COMPLIANCE SHEET

Common Specification

Antenna. The MW radio should be offered with a high performance antenna system having 0.6 mtr,1.8 mtr, 2.4 mtr ,3 mtr and 3.7 mtr diameter, as per actual requirement for a particular link, having the following features: -

- (a) Should have suitable fixtures to mount it on a tower.
- (b) It must be ensured that there is no interference caused due to disorientation of antenna.
- (c) The protecting mechanism must be robust enough to ensure operational wind velocity upto 120 Kmph and a survival wind velocity of upto180 Kmph.
- (d) Side lobe/Back lobe attenuation: Better than 10 dB.
- (e) Dual polarization antennas

Antenna Port Interface.

- (a) For Remote mounting of an ODU of Split version, to a standard antenna, Bidder shall indicate the arrangement for connecting to a standard antenna from third party that calls for pressurisation. (This will be the arrangement at Static sites of antenna size 1.8m,2.4m,3m & 3.7 m).
- (b) For direct mounting of an ODU of Split version, to the antenna, Bidder shall provide mounting kit along with the standard antenna; detailed drawings regarding the mounting details and antenna specifications are to be furnished. (This will be the arrangement at transportable/mobile sites of antenna size 0.6m).

All Antennas will be supplied & installed on Microwave Towers. A microwave network already exists, in which the **antenna, ODU, and IDU** have been installed by a third party. This order is for the **supply and installation of additional antennas**, which must be **fully compatible and integrated with the existing digital microwave equipment (ODU and IDU)**.

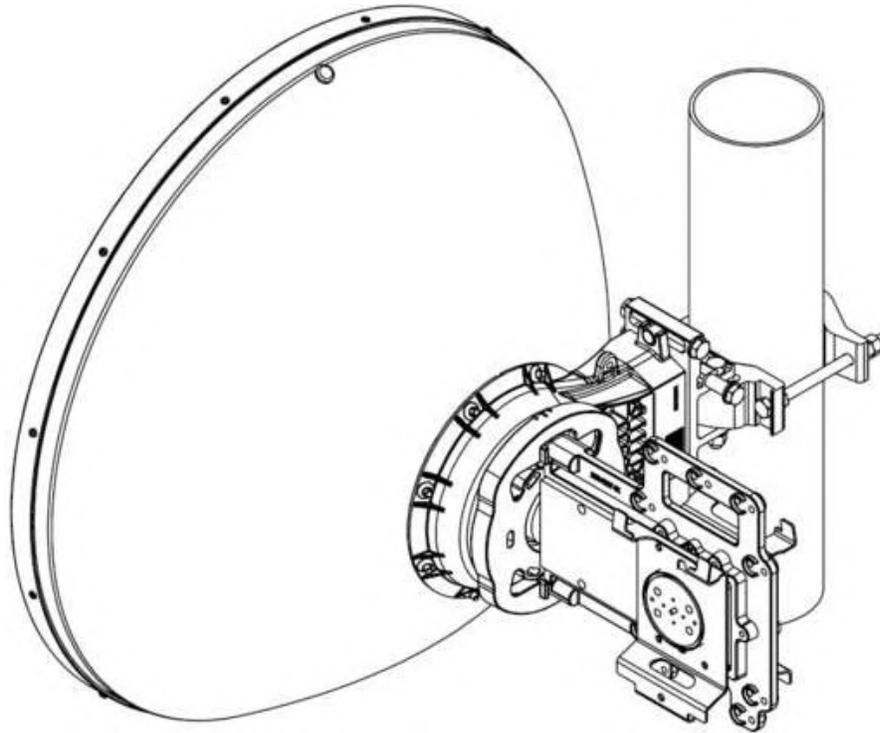
The bidder shall:

- a) Supply antennas along with **compatible OMTs and waveguides** suitable for the existing digital microwave system.
- b) Be fully responsible for the **integration, alignment, and commissioning** of the new antennas with the existing microwave equipment at site.

Individual Antenna Technical specification

1. 0.6 m 7/8 GHz, high performance, dual polarized antenna

ANT2 0.6 7/8 HPX/ANT3B 0.6 7/8 HPX



0.6 m 7/8 GHz, high performance, dual polarized antenna

This is a complete modular antenna delivered in a single box containing both the antenna module and the interface module. The two modules are easily assembled at site. The interface module is replaceable, enabling easy field upgrades. Major benefits include:

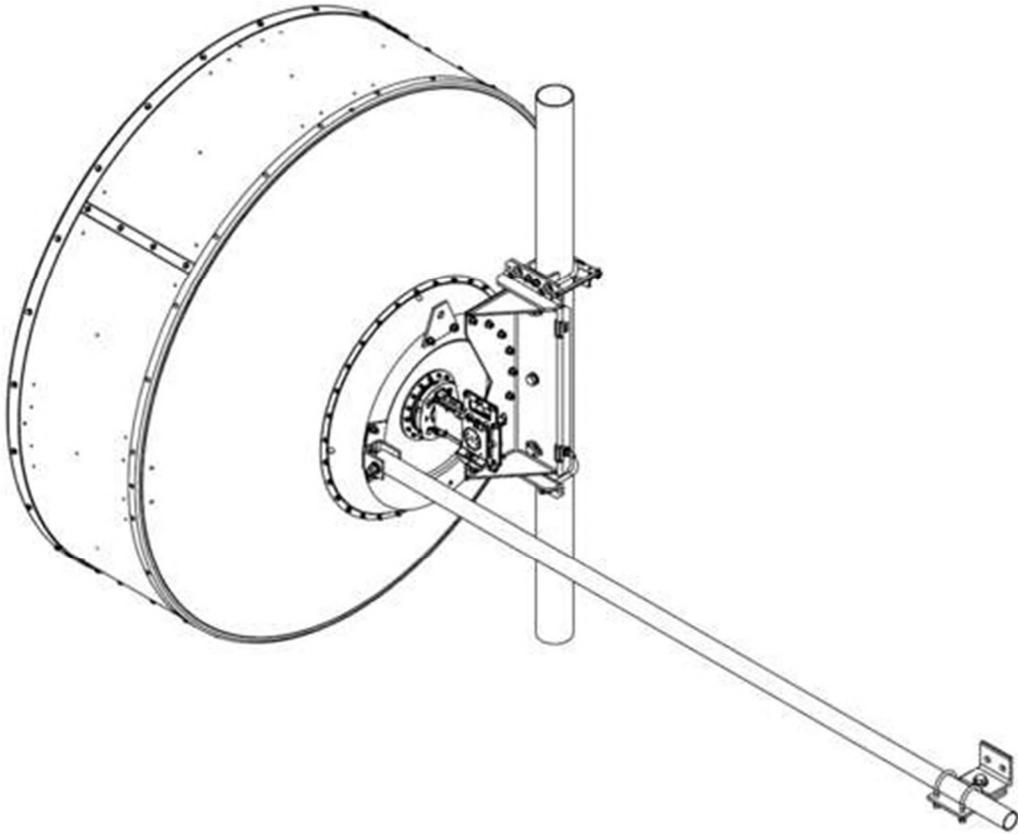
- dual polarized
- No antenna re-alignment
- Reduced traffic disturbance

0.6 m 7/8 GHz, high performance, dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	0.6 m / 2 ft
3	Radio specifications		
3.1		Antenna gain (Mid Band)	31.1 dBi
3.2		Antenna half power beam-Width	4.7 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	57 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	14 / 1.50
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT3
4.4		Polarization	Dual polarized
4.5		Size	0.6 m / 2 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Wind Speed	Upto 180KM/hr

2. 1.8 m 7/8 GHz, high performance, dual polarized antenna.

ANT2 1.8 7/8 HPX/ANT3B 1.8 7/8 HPX



1.8 m 7/8 GHz, high performance, dual polarized antenna.

This is a complete modular antenna delivered in a single box containing both the antenna module and the interface module. The two modules are easily assembled at site. The interface module is replaceable, enabling easy field upgrades. Major benefits include:

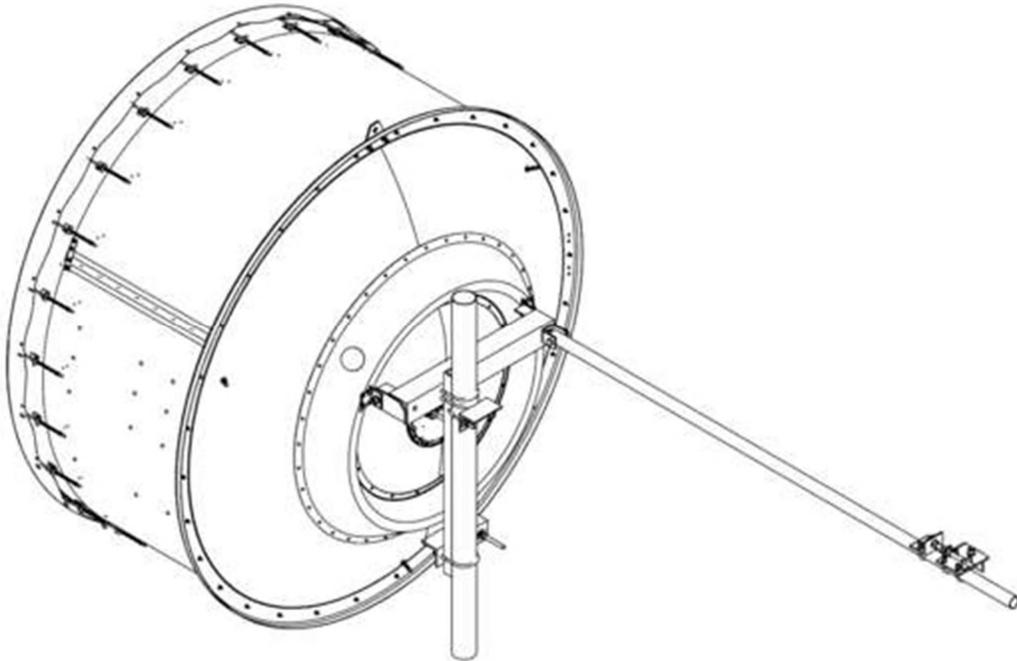
- dual polarized
- No antenna re-alignment
- Reduced traffic disturbance

1.8 m 7/8 GHz, high performance, dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	1.8 m / 6 ft
3	Radio specifications		
3.1		Antenna gain(Mid Band	40.8 dBi
3.2		Antenna half power beam-Width	1.3 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	67 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information	Antenna type	HPX
4.1		Frequency	7/8 GHz
4.2		Integration interface	ANT3
4.3		Polarization	Dual polarized
4.4		Size	1.8 m / 6 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Wind Speed	Upto 180 KMs/hr

3. 2.4 m 7/8 GHz dual polarized antenna.

ANT0 2.4 7/8 HPX/ ANT0B 2.4 7/8 HPX



2.4 m 7/8 GHz dual polarized antenna.

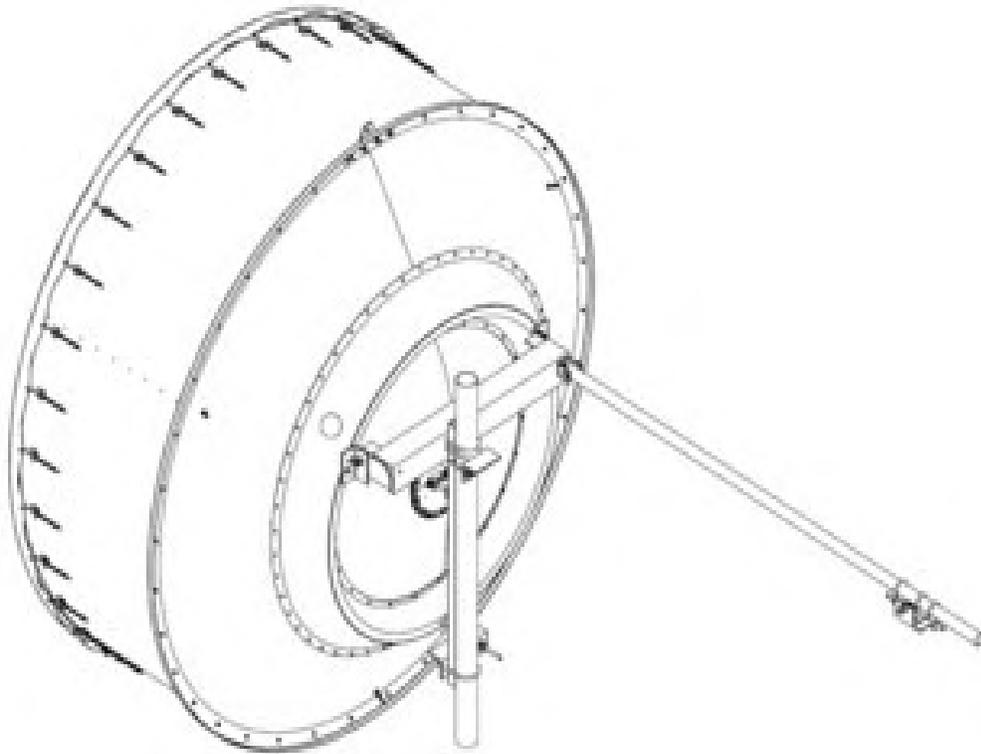
This antenna only supports separate installation of the radio unit.

2.4 m 7/8 GHz dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications	Dimensions (excl. packaging)	2.4 m / 8 ft
3	Radio specifications		
3.1		Antenna gain(Mid Band)	42.9 dBi
3.2		Antenna half power beam-width	1.1 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	71 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT0
4.4		Polarization	Dual polarized
4.5		Size	2.4 m / 8 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Win Speed	Upto 180 KM/hr

4. 3.0 m 7/8 GHz dual polarized antenna.

ANT0 3.0 7/8 HPX/ANT0B 3.0 7/8 HPX



3.0 m 7/8 GHz dual polarized antenna.

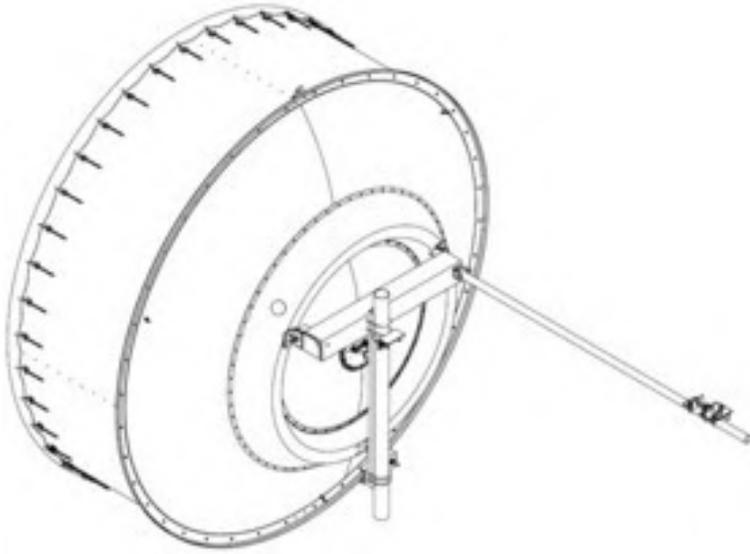
This antenna only supports separate installation of the radio unit.

3.0 m 7/8 GHz dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	3.0 m / 10 ft
3	Radio specifications		
3.1		Antenna gain(Mid Band)	44.4 dBi
3.2		Antenna half power beam-width	0.9 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	72 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT0
4.4		Polarization	Dual polarized
4.5		Size	3.0 m / 10 ft
4.6		Development of OMT with Existing Radio System	Vendor Responsible For the same
4.7		Support Wind Speed	Upto 180KM/hr

5. 3.7 m 7/8 GHz dual polarized antenna.

ANT0 3.7 7/8 HPX/ANT0B 3.7 7/8 HPX



3.7 m 7/8 GHz dual polarized antenna.

This antenna only supports separate installation of the radio unit

3.7 m 7/8 GHz dual polarized antenna.

S. N	Specifications	Description	Value
1	Interfaces	Input connector	154 IEC-UBR 84
2	Mechanical specifications		
2.1		Dimensions (excl. packaging)	3.7 m / 12 ft
3	Radio specifications		
3.1		Antenna gain(Mid Band)	46.8dBi
3.2		Antenna half power beam-width	0.8 deg
3.3		Antenna type	HPX
3.4		Cross-Polar Discrimination (XPD)	30 dB
3.5		Frequency	7.1-8.5 GHz
3.6		Front to back ratio (F/B)	75 dB
3.7		Polarization	Dual
3.8		Return Loss / VSWR	18 / 1.29
4	Additional information		
4.1		Antenna type	HPX
4.2		Frequency	7/8 GHz
4.3		Integration interface	ANT0
4.4		Polarization	Dual polarized
4.5		Size	3.7 m / 12 ft
4.6		Development of OMT with Existing Radio System	Vendor responsible for the same
4.7		Support Wind Speed	Upto 180KM/hr

NOTE:

- c) The scheduled quantity may vary post successful completion of POC.
- d) P.O. will be issued after successful completion of POC of supplied Antennas at site.
- e) ITI reserves the right for placement of repeat order if required within one year from original Purchase Order date.
- f) The supplier will not be entitled, to any compensation for any increase / decrease in the quantities of work done and materials supplied.
- g) An undertaking to be submitted by bidder that bidder understand the existing digital microwave radio system and be responsible for successful integration with existing ODU & IDU system.

PROFORMA FOR WORK EXPERIENCE CERTIFICATE

Name of the Clients with Address, E-mail, and Phone No.

Name of the Contractor:

1	Name of work/project location	
2	Name, address and Email of the client	
4	Cost of work completed	
5	Date of start	
6	Percentage of work completed (applicable if work is under progress)	
7	The actual date of completion	
8	Scope of work/Supply	

Signature with Seal of the Bidder

Date:

Name:

Designation:

ORGANISATION SET UP OF THE COMPANY

S. No.	Name	Designation	Qualification	Professional Experience	Registration	Years with the firm	Remarks

Signature of the bidder with Seal

Date:

Name:

Designation:

MANDATORY UNDERTAKING

Undertaking as per the tender document Ref. No.: ITI/ESG/ASCONPh-4/MW/Antenna -Make-.....
dated.....

Undertaking-I

Provision of the Information Technology Act 2000 (No 21 of 2000)

(To be rendered on the Company letter head)

It is certified that (Company name), strictly adhere to all the provisions of the information technology act 2000(No 21 of 2000) of ministry of Law, Justice and company affairs government of India.

In case of any violation-deviation (company name) would be liable for any action under the provisions of the aforesaid law.

(Signed)

Designation/Name/Address of the Firm

Dated:

Place:

CERTIFICATE: NON-MALICIOUS CODE

(To be rendered on the Company letter head)

1. This is to certify that the Hardware and the software being offered, as a part of the Contract, does not contain embedded malicious code that would activate procedure to:

- a) Inhibit the desired and designed function of the equipment.
- b) Cause physical damage to the user for equipment during the exploitation.
- c) Tap information, resident or transient in the equipment/Networks.

2. The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyrights and Intellectual Property Rights (IPRs) are caused due to activation of any such malicious code in embedded software.

(Signed)

Designation/Name/Address of the Firm

Dated:

Place:

Undertaking-III

Undertaking from OEM

(To be rendered on the Company letter head)

As an OEM we under take
that:

Final delivery/supply of equipment/cards as part of Project "Customer project name "including spares / maintenance equipment to be provided during the warranty will be Non-'Country of Concern' for "Customer project name."

NOTE: 'Country of Concern' implies country sharing land border with India

Signed & Stamp)

Designation/Name/Address of the

Firm

Dated:

Place:

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 of from 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:

CHECK LIST FOR THE SUBMISSION OF TENDER:

Whether the following documents are enclosed:

Sl. No.	Description	Yes	No	Page No.
1.	Documents in support of submission of tender fee			
2.	Documents in support of submission of EMD			
3.	MSME Certification (If MSME)			
4.	PAN / GST registration certificate			
5.	IT Act 2000 (<i>Undertaking-I</i>), Non-malicious code certificate (<i>Undertaking-II</i>) & Undertaking from OEM- Non- "Country of Concern" (<i>Undertaking-III</i>), [Annexure-XIII]			
6.	Copy of Power of Attorney of authorized signatory of the bid on stamp paper duly notarized			
7.	Covering Letter including Contact Details (Name, Designation, contact No. , Email Id, FAX No., website etc.)			
8.	Bid Security Form [Annexure-II]			
9.	Signed Pre-contract Integrity Pact [Annexure-III]			
10.	Signed Non-disclosure agreement [Annexure-IV]			
11.	Signed Un-Price Bid Performa [Annexure-V]			
12.	Average annual financial turnover for the last three years certified by the Chartered Accountant with registration number [Annexure-VI]			
13.	Signed PBG [Annexure-VII]			
14.	Pointwise Technical Compliance Sheet [Annexure-X]			
15.	SPOC (Single Point of Contact)			
16.	Work Experience- 3 Similar Work [Annexure-XI]			
17.	Bidders Profile (Organisation Set-Up) [Annexure-XII]			
18.	Certificate of Incorporation / Registration details & ISO details			
19.	All the pages of tender documents signed			
20.	Product Data Sheet / Brochure			
21.	Bill of quantity & technical specification [Annexure-I]			



हिंदी केवल एक भाषा नहीं बल्कि हमारी राष्ट्रीय पहचान है।



आईटीआई लिमिटेड

नेटवर्क सिस्टम्स यूनिट - विस
दूरवाणीनगर, बेंगलूरु - 560 016, भारत
फोन : +91 (80) 2566 0503
: +91 (80) 2565 1714
ई.मेल : cfm_nsu@itiltd.co.in
वेबसाइट : www.itiltd.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@itiltd.co.in
Website : www.itiltd.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, Doorvaninagar,
Bangalore - 560016

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

For STATE BANK OF INDIA

Kamini
Manager
SBI, BENGALURU - 560 025

Date:

Signature of Bank Manager

With Bank Seal

पंजीकृत एवं निगमित कार्यालय : आईटीआई भवन, दूरवाणीनगर, बेंगलूरु - 560016, भारत फोन : +91 (080) 2561 4466, फॅक्स : +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 : 29AAACI4625C2ZU CIN : L32202KA1950GOI000640 Visit our Website : www.itiltd.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.
- e) All payments should be done through e-Wizard Payment gateway.

Annexure C

SUPPLY, INSTALLATION & COMMISSIONING OF DIGITAL MICROWAVE ANTENNA										
Tender Reference		Ref: NSU 6A 02H Dtd. 17.01.2026								
Name & Address of the Bidder		SUPPLY, INSTALLATION & COMMISSIONING OF DIGITAL MICROWAVE ANTENNA								
Sl. No.	Items Description	Quantity	Unit	HSN Code for the Item	Unit Price (INR)	Total Price(INR) (C*F)	% of GST for corresponding HSN Code	GST Amount	Total Value (G+I)	Total Value (G+J)
A	B	C	D	E	F	G	H	I	J	
1	Antenna 0.6 m	2	Nos							
2	Antenna 1.8 m	6	Nos							
3	Antenna 2.4 m	8	Nos							
4	Antenna 3 m	12	Nos							
5	Antenna 3.7 m	10	Nos							
6	Compatible wave guide and fitment accessories	38	Nos							
									Total	

Note: (Relevant Columns to be filled with PERCENTAGE / NUMERICAL Values ONLY. Quoted Price is including Packing/Forwarding Charges (if any)and Frieght/Insurance Charges (if any))

Note:
 · The tender will be evaluated based on the total price quoted for supply of all line items in the price bid.
 · The bidder has to quote for all the line items.

Handwritten:
 Vandy
 17/01/26