



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला
NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA
Fax : 0381 254-6360, Website : [http:// www.nita.ac.in](http://www.nita.ac.in)

No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH/11248-51.

Date: 21/12/2022

E-Tender Notice

On behalf of National Institute of Technology Agartala, online quotation through Central Public Procurement Portal (CPPP) are invited from the reputed resourceful Manufacturers / Authorized Distributors/ Authorized Suppliers for supply of item(s)/goods/software etc. as per specification mentioned in Annexure of tender document available at our website www.nita.ac.in and central public procurement portal i.e. www.eprocure.gov.in. The tender document can be downloaded from the website [http:// eprocure.gov.in](http://eprocure.gov.in).

Sl. No	Department / Section	Ref. No.	Items	Estimated cost (Rs. in Lakh)	Last date of receipt of tender	Time and date of opening of Technical bid
1	ECE Department	No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH	Microwave Test Bench	2.55	14/01/2023 Up to 3:00 PM	16/01/2023 At 3:00 PM

The interested Manufacturers / Authorized Distributors/Authorized Suppliers may arrange online submission of the tender through www.eprocure.gov.in along with scan copy of essential documents mentioned in the tender document.

Tender(s) is/are to be submitted only online through central public procurement portal i.e. "<http://eprocure.gov.in>". All the documents are to be scanned and uploaded along with the tender documents.

Tender sent by any other mode will not be accepted.

Registrar

Copy to:

DBhally
Registrar 19-12-22



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH /11248-51

Date: 21/12/2022

E- Tender Enquiry

IMPORTANT INFORMATION

Name of the Institute : NATIONAL INSTITUTE OF TECHNOLOGY
AGARTALA
GST Number of the Institute : 16AAAGN0550K1ZG
PAN of the Institute : AAAGN0550K
TAN of the Institute : SHLN00719F
DSIR No. : TU/V/RG-CDE(1053)/2017 dated 15/03/2018
Institute Bank A/C No. : 030936141729 (IFSC: SBIN0011491) under SBI, NIT
Agartala Branch.
Name of Department / Branch : ECE Department
Enquiry / Reference Number : No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/
MIEROVAVE TEST BENCH

Some important/Critical dates:

Uploading on CPP Portal and Department's web-site	Date: 22/12/2022	Time: 5:00 PM
Bid submission start date	Date: 22/12/2022	Time: 5:00 PM
Bid submission end date	Date: 14/01/2023	Time: 3:00 PM
Opening of technical bid	Date: 16/01/2023	Time: 3:00 PM



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

Details of e-tender document.

NIT, Agartala intends to purchase the commodities specified in Annexure enclosed and invites quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly submit your offer with prices within the time mentioned above fulfilling all the terms and conditions marked in the bid documents.

IBhalla
Registrar 19-12-22

National Institute of Technology
Agartala – 799 046, Tripura

Encl :

- (1) Schedule of requirement, specifications, dates etc.
- (2) Bid document containing detail terms and conditions.



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

National Institute of Technology Agartala

AGARTALA - 799 046 (TRIPURA)

1. Schedule of requirements

Sl. No.	Description of Goods/Service	Quantity
01	As per Annexure-I & II of Tender Document	As per Annexure-I & II of Tender Document

2. Specifications and allied Technical Details

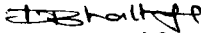
As per Annexure-I & II of Tender Document

3. Estimated Cost

₹ 2.55 Lakhs

- Quotations should be valid for a period of **180** days from the opening date of the technical bid.
- Bid Security or EMD: 2% of the estimated cost of the tender **or** Bidders should submit "**Bid Security Declaration Form**" on company letter head as per annexure-D of this tender document.
- Performance Security: The amount of the Performance Security shall be 3%(three percent) of the Purchase Order / Contract value, valid up to 60 days after the date of completion of contract obligations including warranty obligations.
- Delivery Option: 60 (sixty) days after receipt of the purchase/work order(s).
- Please go through the enclosed "bid document" carefully for other bidding instructions.
- For any technical details, you may contact through email-id: buycon6.nit.tr@gembuyer.in.

Yours sincerely,


19-12-22

Registrar

National Institute of Technology
Agartala – 799 046, Tripura



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH

Date: / /2022

BID DOCUMENT

1. Instructions to the bidders
 - 1.1 Bids are invited through e-tender on behalf of the National Institute of Technology Agartala, Tripura, Agartala-799046 from the intending bidders for supply of the goods/stores/ equipments/Learning resources for the Institute as detailed in the enquiry letter.
 - 1.2 The bidders should quote their rates in clear terms without ambiguity. The quotation should be only in Indian Rupees for indigenous items. In case of foreign quote, the vendors may quote their rates in Indian Rupees as well as in Foreign Currency.
 - 1.3 The last date & time for submission of the bid is marked in the enquiry.
 - 1.4 The bids should be submitted online through www.epuocure.gov.in before the last date & time of submission specified in tender document.
 - 1.5 Bids received after the deadline of receipt indicated in para 1.4 above, shall not be taken into consideration.
 - 1.6 Each bidder shall submit only one bid **against one enquiry**. A bidder, who submits more than one bid against single enquiry, shall be disqualified and considered non-responsive.
 - 1.7 The bidder has to enclose a check list at per Annexure - C duly filled in along with all relevant/supporting documents while submitting technical bid through www.eprocure.gov.in.
 - 1.8 Opening of Bids by the Purchaser will be done as per the provisions of the e-procurement system.
 - 1.9 At any time prior to the due date for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.
 - 1.10 All prospective bidders are expected to surf the website before formulating and submitting their bids to take cognizance of the amendments.
 - 1.11 National Institute of Technology Agartala (NITA) is registered with the Department of Science & Industrial Research, Government of India vide No.TU/V/RG-CDE(1053)/2022 dated 08.12.2022 for availing IGST / Custom duty exemption as follows:



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

IGST / Custom duty	The Purchaser is registered with Department of Scientific and Industrial Research (DSIR) for purposes of availing IGST / Custom duty Exemption in terms of Notification No. 51/96 Custom dated 23-07-1996, amended by notification no. 43/2017 dated 30-06-2017, further amended by notification no. 42/2022 – Custom dated 13-07-2022 (if applicable).
-----------------------------------	--

Yours sincerely,

S. Bhalerao
Registrar 19-12-22

National Institute of Technology
Agartala – 799 046, Tripura



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH

Date: / /2022

2. General Terms & Conditions:

- 2.1 **The rates quoted should preferably be on basic price, Annual Maintenance Charges(if applicable), packing, forwarding, freight, Insurance and all other incidental charges and all rates should be based on delivery by the Supplier /Bidders at National Institute of Technology, Agartala.**
- 2.2 **All taxes and duties will be paid extra and such amounts of mandatory/statutory taxes & duties shall be explicitly mentioned in BOQ while submitting of bid.**
- 2.3 Price has to be filled through CPP portal as per BOQ (<https://www.eprocure.gov.in>). The scanned copy of Price Bid, dully filled in, has to be uploaded on the above e-procurement site. The prices filled in the e-procurement site will be treated final and shall be binding to the vendor.
- 2.4 Insurance: The Goods supplied under the Contract shall be fully insured against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery up to the final destination.
- 2.5 All the Machines/Equipments/goods will be covered by Annual Maintenance Contract (AMC) / CMC/ Warranty beyond the normal warranty/guarantee period. Interested bidders are requested to quote price against AMC/Extended warranty as an optional item in the price bid. **Optional items will not be taken into consideration while selecting L₁ bidder.**
- 2.6 AMC/CMC/Extended Warranty will be awarded after completion of standard warranty period. AMC/CMC/Extended Warranty may be carried out only after receipt of confirmation letter from this Institute. The Institute will not be responsible for any due payments / obligations may arise as a result of execution of AMC/CMC/Extended Warranty without confirmation letter from this Institute.
- 2.7 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.8 **The bidders who are registered under NSIC/MSME organization of Govt. of India for exemption of submitting EMD/Bid security must enclose relevant documentary proof of authentication of their firm's registration for the specific item(s)/Services.**
- 2.9 If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology Agartala

AGARTALA - 799 046 (TRIPURA)

would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover /Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded with technical bid.

- 2.10 If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded with technical bid.
- 2.11 National Institute of Technology, Agartala is following and abide with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and subsequent amendments to the order. Accordingly preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.
- 2.12 **On site Comprehensive Warranty:**
- The successful bidder shall provide a Comprehensive Warranty for minimum period of 1 year after the installation and commissioning of the instrument / software/items. If within a warranty period after installation any such product or component is proven to be defective such product shall be repaired or replaced by the supplier/vendor. Such repair and replacement shall be sole obligation of supplier/vendor. Supplier / vendor shall be responsible for payment for all charges (to-and-fro) for repair/ replacement. Any design defects or installations deficiencies or any other defects, if noticed during the warranty/ maintenance period, shall be rectified promptly by the successful bidder with no cost at all the places, which also includes the field installations.
 - Down-time call attendance should be within 24 hrs.
 - In case the Equipment / System remains non-operational for more than 5 days then warranty period will be extended for the equal period for which Equipment / System remained non-operational. Warranty extension in such case shall be done without prejudice to any other Term & condition of the contract.
- 2.13 The documentary evidence of the bidders qualification to perform the contract if the bid is accepted shall establish to the purchasers satisfaction that:

(a)	The bidder meets the qualification criteria listed in bidding documents, if any.
(b)	Bidder who doesn't manufacture the goods it offers to supply shall submit Manufacturers' Authorization Form using the form specified in the bidding document to demonstrate that it has been duly authorized by the



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

National Institute of Technology Agartala

AGARTALA - 799 046 (TRIPURA)

manufacturer of the goods to quote and / or supply the goods/services.

- 2.14 The successful bidder has to furnish "Performance Guarantee/Security" for an amount specified in the enquiry by E-Payment System to NITA Account within 15(fifteen) days of intimation of contract/supply order.
- Alternatively, "Performance Guarantee/Security" will be retained by the Institute from the billed amount of the contract/supply order which will be released two months after the completion of warranty period.
- 2.15 **Delivery Schedule:** As per e-Tender.
- The item(s)/goods are required to be delivered at the indenting Department of National Institute of Technology, Agartala, and must be dispatched within specified days from the date of placement of the supply/purchase/work order.
- If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 0.5% of order value per week of delay subject to a maximum of 3%, as the case may be, beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.
- 2.16 Force Majeure: Notwithstanding the provisions of clauses relating to Extension of Time, Penalty and Termination for Default the Supplier shall not be liable for forfeiture of its Performance Security, Liquidated Damages or Termination for Default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 2.17 The successful bidder(s) may be required to execute a contract on the basis of item wise evaluation as per annexure(s) (where is applicable).
- 2.18 NIT Agartala will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.
- 2.19 The bidder has to furnish up to date GST and Income Tax return of last three financial years along with valid trade license.
- 2.20 Payment: **100% will be made in INR (Indian National Rupees)** after successful Installation, Commissioning of item against submission of Performance Guaranty (PG) otherwise an equal amount of PG will be retained by the Institute till the completion of warranty obligations.



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

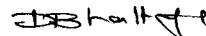
National Institute of Technology Agartala

AGARTALA - 799 046 (TRIPURA)

Note: All payments due under the contract shall be paid after deduction of statutory levies at source (like ESIC, IT (TDS), GST, LBT / Octroi etc.), wherever applicable.

- 2.21 In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Competent Authority, National Institute of Technology, Agartala shall be final.
- 2.22 The bid document/resultant contract will be interpreted under Indian Laws.
- 2.23** National Institute of Technology, Agartala will not take any responsibility for arranging road permit/way bill or clearance from tax department for delivery of goods. All such requirements should be completed by the bidder for delivery of goods at National Institute of Technology, Agartala. GST payment, if required, should be paid by successful bidder and if GST not paid, National Institute of Technology, Agartala will deduct the applicable amount from successful bidder's bills and pay the same to Tax Authority. If there is any mandatory tax(es) other than GST/other taxes mentioned in this tender document, imposed by State Govt., the same may also be deducted from the bills of the successful bidder, as applicable.
- 2.24** Competent Authority of National Institute of Technology, Agartala reserves the right to cancel the entire e-tendering process at any stage of the procurement process without mentioning any reason.
- 2.25** Legal disputes, if any with NIT Agartala will be restricted within the jurisdiction of Agartala only.

Yours sincerely,


Registrar 19-12-22

National Institute of Technology
Agartala – 799 046, Tripura



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH

Date: / /2022

3. Special Terms & Conditions:

- 3.1 Acceptance of Technical bid strictly depends on National Institute of Technology, Agartala's requirements credentials, manufacturing capability, quality control systems, past performance, after-sales service, financial background, commercial terms & conditions etc. of the supplier(s).
- 3.2 Detailed Specifications, brand, make, model & parts number, tolerance limit, resolution, corresponding ISO standard etc. of quoted Equipments/Items should be mentioned with supported leaflet and list of buyers for acceptance of technical bid.
- 3.3 The technical bid and the financial bid should be submitted through www.eprocure.gov.in. The technical bids shall be opened and evaluated by the competent committee/authority. At the second stage, financial bids of only the technically qualified offers shall be opened for further evaluation and recommendations for awarding the purchase order/contract.

It may specifically be mentioned whether quotation is strictly as per terms and conditions of the tender. Deviation, if any, must be spelt out specifically in technical bid. In the absence of this, the quotation may be rejected.
- 3.4 Installation & Commissioning: Within 15 (fifteen) days after delivery (if applicable).
- 3.5 The Quantity of each Item(s)/Equipment(s) may increase (as per Govt. Norms) or decrease at the time of issued of Purchase / Supply / Work Order. The Institute reserves right to purchase partly or not to purchase any item / cancel the entire process at any stage of procurement process.
- 3.6 Penalty: Penalty will be charged @ 0.5 % of per week except for force majeure conditions for the unexecuted part of the supply/work order.
- 3.7 Arbitration: All disputes should be attempted to be resolve mutually between the National Institute of Technology, Agartala and the suppliers failing which jurisdiction of any Court of Agartala shall be applicable.
- 3.8 The successful bidder has to give at least 3-4 days on site training for each & every items/equipments by Certified Person (if required).
- 3.9 Model No. of the product should be given with catalogue (if any).
- 3.10 Items/Goods should be sent through Registered Transporter (preferably).
- 3.11 Bidders are required to upload a declaration on letter head stating that the bidder has not been black-listed & holiday listed by any Ministry/Department/Organization.

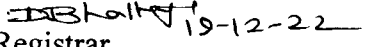


राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

- 3.12 **Bidder(s) is/are required to upload a self certification regarding offered item(s) as per Office Memorandum No. F.18/37/2020-PPD dated 8th February, 2021 issued by Department of Expenditure, Procurement Policy Division, Ministry of Finance, Govt. of India.**
- 3.13 Bidders are requested to provide valid e-mail ID and phone number for further communication.
- 3.14 Bank A/C in the Exact Name of Bidder/Firm/Supplier with Name, A/C No., IFSC code must be furnished with technical bid.

Yours sincerely,


Registrar

National Institute of Technology
Agartala – 799 046, Tripura

Annexure - I

Flag-A

⑨

- Detailed specifications of items are given below-

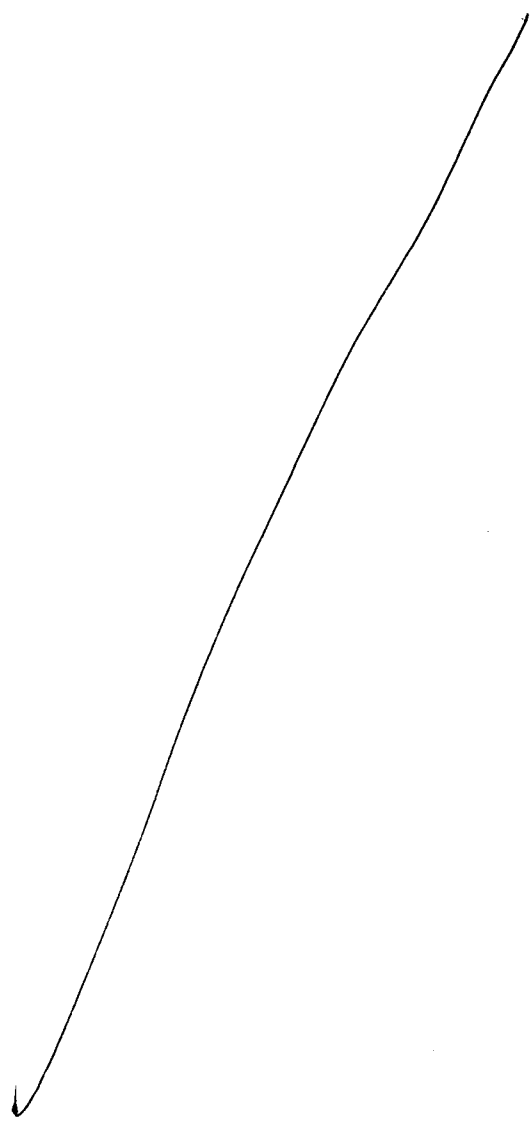
ITME NUMBER 1. Microwave Test Bench Klystron based (X Band)

PACKAGE DESCRIPTION OF ITEM NUMBER 1			
Sl. No.	Items	Description / specifications	Qty.
1	Klystron power supply	Input Voltage: 230VAC, $\pm 10\%$, 50Hz Beam Supply Voltage: 240- 400 V dc or above Variable Current: 48-50mA or above Regulation: 0.5% for 10% I/P variation Ripple: <5mv RMS Repeller Supply: 10-270 V dc or above Variable Regulation: 0.25% for 10% I/P variation Filament Supply: 6.3 V dc or above Over-load Trip Current: 65 mA Modulation: AM (Square, 500-2500 Hz or above, 0-110 V), FM (Saw -Tooth, 150-300 Hz or above, 0-65 V), External (through external modulating signal) Display: Digital display (Beam voltage, Beam Current, Repeller Voltage) Standby Mode: Only Heater Supply ON Connectors: 8-Pin Octal Socket for Klystron, BNC (F) for external modulation, 2-Pin Socket for Cooling Fan, BNC (F) for Saw-tooth Monitoring Accessories: Mains Cable, Coaxial Cable BNC – BNC Spare Fuses Temperature : 30 degree, 1Khz square wave	1
2	Reflex Klystron tube with mount	X-band Output power: 30 mW Mount: Rectangular (tunable back end)	1
3	Isolator	X-band (Rectangular) Min. isolation loss: 20Db or less Min. insertion loss: 0.4dB or less Max. VSWR: 1.20	1
4	Frequency Meter	X-band Waveguide type: Rectangular	1
5	Variable attenuator	X-band Max. VSWR: 1.10 Av. Power: 2.0W Max. Insertion loss: 0.2	1
6	Tenable detector mounts	X-band Crystal Connector: BNC (F)	1
7	Slotted line waveguide with probe detector	X-band Max. Residual VSWR: 1.01 Length of Slotted Channel (cm): 15 Probe connector: BNC(F)	1
8	Variable/Movable short	X-band Type: Rectangular	1
9	Matched load	X-band . Type: Rectangular	2
10	Wave guide section	X-band Type: Rectangular (aluminium) Length(cm): 15	4
11	VSWR meter	Input power supply: 220 VAC, $\pm 10\%$, 50 Hz Input Connector: BNC (F) Amplifier type: High gain tuned at one frequency. Input Frequency: 1000 Hz $\pm 2\%$ or above Band width (3db): 50 Hz or above Input selector: crystal High (200K impedance, crystal Low (200 impedance, Bolo 200 (4.5 mA Bias) , Bolo 200 (8.7 mA Bias) Sensitivity: <1 μ V or above for full scale deflection at crystal low/ Bolo	1

Rajee Majumder
12/10/2022

8

		<p>Position. Range: Over 70 db (60 db in 10 db steps, 10 db through coarse adjustment, 2 db through fine adjustment) Accuracy: ± 0.2 dB per 10 dB step or above. Meter scales: SWR 1-4, SWR 3-10, Expanded SWR 1-1.3 dB 0-10, Expanded dB 0-2 Mode: Normal / Expanded Gain control: Coarse adjustment 10 db minimum, Fine adjustment 2 db minimum Recorder output: BNC (F) connector Recorder output level: 1V for full scale deflection of meter Accessories: Mains Cable, Coax. Cable BNC-BNC, Spare Fuses</p>	
15	Cooling fan	Cooling fan with stand	1
16	S. S. Tuner	S. S. Waveguide type: Rectangular	1
17	Fixed Short	Fixed Short	1
18	Accessories	Supporting flanges (X-band, Type: Rectangular) Connecting screws, screw driver set (one number) and any other required for the full experimental setup	1



Rajiv Majumder
03/02/2022

Annexure - II

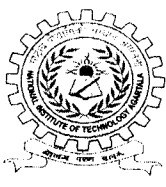
Flag-B



ITME NUMBER 2. Microwave Test Bench Gunn based (X Band)

Sl. No.	Items	Description / specifications	Qty
1	Gunn oscillators	X-band with tuning support (back end)	1
2	PIN modulators	X-band Connector: BNC(F)	1
3	Isolator	X-band (Rectangular) Min. isolation loss: 20dB Min. insertion loss: 0.4dB Max. VSWR: 1.20	1
4	Frequency Meter	X-band Waveguide type: Rectangular (copper)	1
5	Variable attenuator	X-band Max. VSWR: 1.10 Av. Power: 2.0W Max. Insertion loss: 0.2	1
6	Tenable detector mounts	X-band Crystal, Connector: BNC (F)	1
7	Slotted line waveguide with probe detector	X-band Max. Residual VSWR: 1.01 Length of Slotted Channel (cm): 15 Probe connector: BNC(F)	1
8	S. S. Tuner	S. S. Tuner	1
9	Cooling fan	Cooling fan with stand (aluminum)	1
10	Gunn power supply	Gunn Bias Voltage: 1 to 12 V or above Current: 0 to 1.0 A or above Regulation: 0.2% for ± 10 mains variation Modulation Selector Switch: CW & INT. Modulation Frequency: 850 to 1150 Hz or above square-wave Output Connector: BNC (F) for Gunn Bias Digital Panel Meter: Read Gunn bias voltage & current drawn Mains: 230 V, 50 Hz 35 Watts or above Accessories: Mains Cable, Coax. Cable BNC to BNC, Spare Fuse	1
11	Fixed Short	Fixed Short	1
12	Variable/Movable short	X-band, Type: Rectangular	1
13	Matched load	X-band, Type: Rectangular	2
14	Wave guide section	X-band Type: Rectangular (aluminium) Length(cm): 15	4
15	VSWR meter	Input power supply: 220 VAC, $\pm 10\%$, 50 Hz Input Connector: BNC (F) Amplifier type: High gain tuned at one frequency. Input Frequency: 1000 Hz $\pm 2\%$ Band width (3db): 50 Hz Input selector: Crystal High (200K) impedance, crystal Low (200) impedance, Bolo 200 (4.5 mA Bias), Bolo 200 (8.7 mA Bias) Sensitivity: $< 1 \mu V$ for full scale deflection at crystal low/ Bolo Position. Range: Over 70 db (60 db in 10 db steps, 10 db through coarse adjustment, 2 db through fine adjustment) Accuracy: ± 0.2 dB per 10 dB step. Meter scales: SWR 1-4, SWR 3-10, Expanded SWR 1-1.3 dB 0-10, Expanded dB 0-2 Mode: Normal / Expanded Gain control: Coarse adjustment 10 db minimum, Fine adjustment 2 db minimum Recorder output: BNC (F) connector Recorder output level: 1V for full scale deflection of meter Accessories: Mains Cable, Coax. Cable BNC-BNC, Spare Fuses	1
16	BNC TO BNC	BNC TO BNC Cable	4
17	Accessories	Supporting flanges (X-band, Type: Rectangular) Connecting screws, screw driver set(one number) and any other required for the full experimental setup	1

Raju Majumder
23/02/2022



राष्ट्रीय प्रौद्योगिकी संस्थान अगर्तला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH

Date: / /2022

ANNEXURE – B

PRICE BID

As per BOQ



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

National Institute of Technology Agartala

AGARTALA - 799 046 (TRIPURA)

No.F.NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MICROVAVE TEST BENCH

Date: / /2022

ANNEXURE - C

Documents for Comprising the Bid

Sr.No.	TENDER REQUIREMENT	COMPLIANCE	Document Submitted
1	Name of the Firm / Agency / Dealer / Supplier with full address including contact number and email id etc.	Yes / No	Yes / NA
2	Trade License issued by Government / Statutory Body or Company Registration on the item(s) related to this tender.	Yes / No	Yes / NA
3	GST Registration of the Supplier/Firm/Bidder.	Yes / No	Yes / NA
4	PAN Registration of the Supplier/Firm/Bidder	Yes / No	Yes / NA
5	Financial Solvency issued by Bank(as per RBI guidelines) (in case of estimated cost is Rs.25.00 lakhs and above).	Yes / No	Yes / NA
6	Up to date GST return / any other tax clearance certificate last three years.	Yes / No	Yes / NA
7	Up to date Income Tax Return for last three years	Yes / No	Yes / NA
8	“Bid Security Declaration form” on Company Letter Head (Scanned copy to be uploaded along with Technical bid).	Yes / No	Yes / NA
9	Service Support details (if applicable)	Yes / No	Yes / NA
10	Certification of holiday and non-black listing (Self Certification)	Yes / No	Yes / NA
11	Certification as per memorandum No. F.18/37/2020-PPD dated 8 th February 2021, Dept. of Expenditure, Ministry of Finance, Govt. of India (Self Certification)	Yes / No	Yes / NA
12	Proprietary Certificate from OEM to be uploaded along with the Technical Bid in case of Proprietary items	Yes / No	Yes / NA
13	Manufacturers Authorization Form (MAF) (if applicable)	Yes / No	Yes / NA
14	Certificate under MSME, NSIC, Make-in-India & Startup as per Govt. of India Norms (if applicable).	Yes / No	Yes / NA
15	Experience, if any, with govt. sector /Public Undertaking /Private sector (if applicable) (May be relaxed for MSME, NSIC & Startup as per Govt. of India Norm)	Yes / No	Yes / NA
16	Any other criteria related to this tender.	Yes / No	Yes / NA
17	Supplier/Firm/Bidder should accept all Terms & Conditions and specification of the items given in the Tender Document.	Yes / No	

(Signature of the bidder)



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

National Institute of Technology Agartala
AGARTALA - 799 046 (TRIPURA)

No.F NITA.20 (385-ECE)/2021-2022/PURCHASE/MICROWAVE LAB/MIEROVAVE TEST BENCH

Date: / /2022

Annexure-D

Bid Securing Declaration Form

Date:..... Tender Ref. No: Tender ID:

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, 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 specified in the form of Bid; 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 Security, 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 Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)