



# National Centre for Radio Astrophysics

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

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Website : [www.ncra.tifr.res.in](http://www.ncra.tifr.res.in)

Web Tender No. : NCRA:WF043:LTD:2021/WT002 dated August 31, 2021

The National Centre for Radio Astrophysics (**NCRA**) of the Tata Institute of Fundamental Research (**TIFR**) , Pune (is a leading Centre for research in a wide range of areas in astronomy and astrophysics) a national Centre of TIFR, Mumbai which is under the aegis of Department of Atomic Energy, Government of India.

- 1. NCRA-TIFR**, Pune, India invites sealed bids in two parts, Part– I: Techno-commercial Bid & Part – II: Price Bid for the following:

Description of Work	Bid Security Declaration towards EMD
Supply, installation, testing and commissioning of 2 Ton, 230Volts $\pm$ 10%, 50Hz AC operated (Non-inverter) split air conditioner units as per specifications.	Bid Security Declaration as per our format ( <b>Annexure J</b> ) to be submitted on company's letter head by all bidders.
Estimated Cost: ~ <b>Rs. 11.84 Lakhs</b> (including of GST).	<b>Tender Fee : Rs. 590/- (including of GST). (Rupees Five Hundred Ninety Only by way of Demand Draft in favour of “TIFR” payable at Pune).</b>
Type of Tender : Two Bid	Exemption from tender fee will be given if vendor is an OEM and has valid Udyam Registration as MSE for the item tendered.

<b>Downloading of Tender</b>	<b>From : 31.08.2021, 09.30 hrs.</b> <b>To : 20.09.2021, upto 18.00 hrs.</b>
<b>Submission of Tender</b>	<b>Last Date : 21.09.2021 upto 18.00 hrs.</b>
<b>Opening of Techno Commercial Bid (Part I). (If sufficient bids are received).</b>	<b>On : 22.09.2021, at 15.00 hrs.</b>

## 2. Eligibility Criteria :

- a) Bidder should be either an OEM or their authorized Distributor, Dealer and Channel Partner both cannot bid.
- b) If the bidder is not an OEM then they must submit a Manufacturer Authorisation Certificate as per our **Annexure G**, mentioning that the supplier is an authorized dealer for the sales and service of the item / service tendered.
- c) Bid must be valid for a minimum period of **90 days** from the due date for submission of bid.
- d) Bidder must have an established service support Centre in Pune, documentary evidence to be submitted
- e) Bidders must have valid **GST registration No.**
- f) Successful bidder must submit :-

**Performance Guarantee of 3%** of total order value including all taxes, duties etc. within **Twenty One days** after receipt of our order valid till completion of warranty period plus two months..

- g. Bidder are also requested to study the criteria specified under technical evaluation and ensure that they meet all the requirements before bidding.
- h. The bidders, in the past, who have not accepted our awarded order or who have withdrawn from the tender process OR whose EMD/Security deposit has been forfeited by us or who have failed to execute order, in the last one year are not eligible to participate.

## 3. General Information about Bidding :

- a. Bidding document can be downloaded from our website <http://www.ncra.tifr.res.in/ncra/ncra1/public-tenders-1> by any interested bidder meeting the above eligibility criteria.
- b. Bidders after downloading the tender document are requested to please send an email to [purchase@ncra.tifr.res.in](mailto:purchase@ncra.tifr.res.in) giving their Full address, contact details.
- c. The **bids Part 1 – Techno-commercial Bid & Part II – Price Bid** with all documents sought in eligibility criteria with charges in a sealed envelopes duly superscribed with tender no. & due date must reach Purchase Officer, NCRA-TIFR, Savitibai Phule Pune University Campus, Ganeshkhind, Pune-411007, India.

### **I. Envelope 1 -**

- (i) Company Profile.
- (ii) Schedule of Deviation from General Conditions and technical deviation.

- (iii) Bid Form.
- (iv) Details of GST.
- (v) Bid Security Declaration and tender fee, if applicable.

**II. Envelope 2 – Other documents relating to technical bid.**

**III. Envelope 3 – Price bid superscribed with Tender No.**

All the above three envelopes Envelope 1, Envelope 2, Envelope 3 are to be put in Envelope 4 and to be submitted superscribing the tender No. and due date.

Due to Covid restriction bids will not be opened in the presence of bidders'. In the event of the date specified for bid receipt and opening being declared as a closed holiday for NCRA's office, the due date for submission of bids and opening of bids will be the following working day at the same time.

**Price bids** will be opened at a later date through **google meet or zoom** which will be intimated to only techno-commercially qualified bidders.

- d. **RIGHT TO REJECT ANY OR ALL BIDS:** NCRA reserves the right to accept or reject any or all bids without assigning any reasons there for. NCRA also reserves right to reject bids during technical evaluation, based on past performance, experience or any other criteria. Price bid will be considered only for those bidder who qualifies technical evaluations.
- e. Bids must be accompanied by **Bid Security Declaration towards** specified above without fail.
- f. NCRA is not responsible for delay or loss of bids in transit.
- g. **Bidders are requested to visit our website** <http://www.ncra.tifr.res.in/ncra/ncra1/public-tenders-1> **regularly to check for addendum /updates if any pertaining to this tender.**
- h. Please see attached sheet for conditions of tender.

**4. Benefits under : Make in India / Micro and Small Enterprises / Startups :**

- a. As prescribed in "Public Procurement (Preference to Make in India) order 2017 of Govt. of India, Dept. of DPIIT" (OM No. P-45021/2/2017-PP (BE-II) dated 4th June, 2020 vendors must submit local content certificate as per the Specimen attached with this enquiry on their letterhead signed by a competent authority of the vendor supported by valid audit document from DPIIT Govt. of India, stating the percentage of local content. Only Class I vendors are eligible for price preference as per Govt. of India orders. Vendors debarred by any procuring entity for violation of this order shall not be eligible for benefits till the completion of the debarment period.

- b. Micro Small and Enterprises (MSE) must be OEM and have valid Udyam registration for the item / services tendered in order to avail the benefits as per MSE Guidelines of Govt. of India.
- c. **Traders / resellers / distributors / authorized agents will not be considered for availing benefits** under the Public Procurement policy 2012 as MSEs as per MSE guidelines issued by Ministry of Micro and Small Enterprises.
- d. The MSEs who have applied for registration or renewal of registration with any of the above agencies / bodies, but have **not obtained the valid certificate** as on close date of the tender, are **not eligible for exemption / preference**.
- e. **Startups:**

As per OM No. F/20/2/2014 – PPD dated 20.09.2016 startups are exempted from payment of tender fee and eligible for relaxation regarding prior turnover and prior experience subject to the condition that :

- (i) Startups must have been recognized by Department for Promotion of Industry and Internal Trade (DPIIT).
- (ii) They meet quality and specifications.

Startups may be MSE's or otherwise.

**PURCHASE OFFICER**

**CHECK LIST**

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To be enclosed with Techno-Commercial Bid (Part-I)

Sr. No.	Particulars	Provide Details	Remarks
1	Whether <b>Compliance statement / Technical Deviations</b> as per <b>Annexure D</b> submitted duly signed and Stamped.		<b>Yes / No</b>
2	Eligibility Criteria Statement duly filled in by bidder as per <b>Annexure E</b>		<b>Yes / No</b>
3	Company Profile – submitted as per <b>Annexure F</b>		<b>Yes / No</b>
4	Manufacturers Authorization Form submitted as per <b>Annexure G.</b>		<b>Yes / No</b>
5	Showing details of works completed in the past <b>three years</b> together with copies of orders submitted as per <b>Annexure H.</b>		<b>Yes / No</b>
6	Schedule of Deviation from General Conditions submitted <b>Annexure I</b>		<b>Yes / No</b>
7	Whether Bid Security declaration as per format <b>Annexure J</b> enclosed.		<b>Yes / No</b>
8	Whether Certificate of Local Content as per format <b>Annexure K</b> enclosed.		<b>Yes / No</b>
9	Undertaking as per <b>Annexure N</b> submitted.		<b>Yes / No</b>
10	Unpriced bid <b>as per Annexure O</b> enclosed.		<b>Yes / No</b>
11	<b>Price bid (Part II) and Scope of work</b> as per <b>Annexure-P</b> in a separate sealed envelope submitted.		<b>Yes / No</b>

Date : Signature of Bidder :

Name & Designation :

Place : Company Name & Address :

Company Seal & Phone No. :

**ANNEXURE A**

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**General Conditions of Contract**

1. Specifications are basic essence of the product. The technical Specification and Schedule of prices & Quantities to be read in conjunction to ensure the actual supply and works involved. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of their bid.
2. NCRA-TIFR reserve the right to ask for or to provide any clarification, changes after the release of this tender. **Any changes or clarifications provided by NCRA-TIFR may be checked at NCRA-TIFR website [www.ncra.tifr.res.in](http://www.ncra.tifr.res.in)**
3. Your bid must clearly indicate the following details:  
(a) Guarantee/Warranty period (b) Make/Brand (c) Model & Part No. (d) Delivery period (e) % GST (Without any concessional Form).
4. Your quotation shall be for exact type, size and make of items as specified by us and deviation if any are to be furnished in full.
5. Samples where called for, shall be forwarded on no charge and returnable basis with all charges prepaid.
6. Over writing /erasures regarding rate/price and amount in the quotation must be duly signed.
7. Bid should be signed only by competent authority specifying their name and designation.
8. Institute does not take any responsibility for non-receipt/delayed receipt of bid and the same getting lost in transit.
9. Rate quoted must be as applicable to Government Research and Educational Institutes considering special price / discount.
10. Bidder should sign on all the pages of the technical bid and the price bid.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

**ANNEXURE A**

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- 11 The price quoted must be in **rupees**.

Price quoted should be on F.O.R. Destination basis. (i.e. total landed cost including safe delivery at GMRT-NCRA, Khodad, Near Narayangaon, Tal. Junnar, Dist. Pune 410504.

**Price must be quoted in the prescribed Price Bid Formats attached herewith as “Part – II” (Financial Bid).**

**“If a bidder quotes NIL charges / consideration, the bid shall be treated as unresponsive and will not be considered”.**

Price quoted should include charges for Safe delivery of items at site / sites.

12. **Income Tax**

As applicable will be deducted from the contractor's bill.

13. **GST** : Will be paid Extra.

**GST TDS will be deducted as per Govt. rules.**

14. **ACCEPTANCE OF BID** : Institute shall be under no obligation to accept the lowest or any other bid received in response to this tender and shall be entitled to reject any or all bids without assigning any reason whatsoever.

15. **PLACING OF ORDER** : Centre reserves the right to place the order for part/full/reduced quantity /increased quantity / reduced period than what is specified in the tender.  
Centre reserves the right to place order on L1 basis.

16. **If the charges quoted are same by different bidders then Centre reserves the right to place order on any one lowest bidder.**

**17. Order Acceptance**

a. The successful bidder should submit Order acceptance within **21 days** from the date of issue of order and complete all formalities within the same period.

b. If the successful bidder fails to submit order acceptance and Performance Guarantee even after repeated reminder Centre reserves the right to cancel the order and in which case bidder will be debarred from participating in any tender for a period of one year.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

**ANNEXURE A**

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18. **OBSERVANCE OF LOCAL LAWS:** Wherever applicable (particularly for Local vendors), the vendor / contractor shall comply with all law, statutory rules & regulations etc. The vendor/ contractor shall obtain all necessary permits / approval from the local Governing Body, Police, and other concerned Authorities as may be required under law. The vendor /contractor shall pay all types of taxes, fees, license charges, deposits, duties, tolls, royalty or other charges that may be leviable on account of any of the operations connected with the execution of this work/ contract.
19. In case of any interpretational issues arises in this tender, the interpretation / decision of NCRA-TIFR shall be final and binding on the bidder.
20. **SETTLEMENT OF DISPUTE :** For any dispute arising out of the contract, it should be the intention of both the parties to settle the matter amicably without referring it to the Court of Law. In case dispute is not getting settled amicably it will be referred to arbitration as under.
21. **ARBITRATION :**
- 21.1 Purchaser and the contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 21.2 If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either purchaser or the contractor may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 21.3 The dispute settlement mechanism/arbitration proceedings shall be concluded as under:
- (a) In case of Dispute or difference arising between purchaser and contractor relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 2015, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the sole arbitrator mutually acceptable to contractor and purchaser. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order. Charges of the arbitrator will have to be shared equally by the Contractor and the Purchaser.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

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- 21.4 The venue of the arbitration shall be the place from where the purchase order or contract is issued.
22. In case of any interpretational issues arises in this tender, the interpretation / decision of NCRA-TIFR shall be final and binding on the bidder.
- 23 The competent authority on behalf of T.I.F.R. does not bind himself to accept the lowest or any other tender and reserves to himself the authority to reject any or all the tenders received without assignment of a reason. All tenders in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
- 24 Canvassing in connection with this work order is strictly prohibited and the bids submitted by the vendors who resort to canvassing will be liable to rejection.
- 25 On acceptance of the tender, the name of the authorised representative(s) of the vendor, who would be responsible for taking instructions from the Engineer concerned, shall be communicated.
- 26 The contractor shall give complete cooperation for the execution of the works by the other agencies/contractors or the representatives deputed by the Institute, if required to be carried out simultaneously by other agencies while his own work is in progress. The coordination will be effected in consultation with the Engineer of the work.
27. **Instructions given by our Site Engineer should be strictly followed.**
28. Contact person :-  
**Shri B.S. Patil / Shri R. V. Swami,**  
**GMRT Khodad, Near Narayangaon,**  
**Tal. Junnar, Dist. Pune 410504**  
**Tel. 02132-258400 /300.**  
Email. [balaso@gmrt.ncra.tifr.res.in](mailto:balaso@gmrt.ncra.tifr.res.in), [swami@gmrt.ncra.tifr.res.in](mailto:swami@gmrt.ncra.tifr.res.in)

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

**ANNEXURE B**

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**Special Conditions of Contract**

1. **Bid Security Declaration:**

If the bidder withdraws or amends or impairs or derogates their bid during the period of bid validity, Centre reserves the right to suspend the vendor from participating in any tender for a period of **One year**.

2. **Performance Guarantee**

Performance Guarantee to be furnished by the successful bidder for satisfactory performance of the contract. "Satisfactory performance of the contract here means satisfactory completion of work in respect of works.

2.1 **Quantum of Performance Guarantee**

**3% of Tender Value (as shown on tender notice).**

Successful bidder, shall deposit an amount equal to **3%** of the value of order value including taxes as Performance Guarantee within **21 days** of receipt of our order and must valid till completion of work plus Two months for proper fulfillment of the Contract.

In case Performance Guarantee is not submitted within **21 days interest @ 12% per annum** will be levied till the date you submit the Performance Guarantee.

If the successful bidder fails to submit the Performance Guarantee / Performance Guarantee with interest or refuses to submit the Performance Guarantee even after reminders, Centre reserves the right to cancel the order without notice and such bidder will be debarred from participating in any tender for a period of **one year**.

2.2 **Forms in which Performance Guarantee can be submitted**

Performance Guarantee should be in the form of Demand Draft of a Scheduled Bank in favour of "TIFR", payable at Pune or Bank Guarantee (BG) from a Scheduled Bank in favour of Centre Director, NCRA-TIFR, Pune as per the prescribed format or Fixed Deposit Receipt (FDR) of a Scheduled Bank pledged in favour of Centre Director NCRA-TIFR, Pune. The Bank Guarantee should be from any one of the nationalized banks or Scheduled Bank and to be executed on non-judicial stamp paper of appropriate value. The Bank Guarantee should be valid upto at least 2 months beyond the contractual date for completion of the order.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

**ANNEXURE B**

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**2.3 Refund of Performance Guarantee**

Performance Guarantee shall be released / returned to the contractor after the completion of the work/contract period without any interest.

**2.4 Forfeiture of Performance Guarantee**

Performance Guarantee is taken for due performance of the Contract and can be forfeited in the event of a breach of contract.

FDR / Bank Guarantee / Demand Draft obtained towards Performance Guarantee will be invoked when there is a specific breach on the part of the Contractor.

**3. Technical Evaluation of Bids**

On the due date the Techno commercial bids will be opened and referred to our technical personnel.

The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made to ensure, the item / items quoted are as per our specifications.

Bidder will have to enclose copies of minimum single order value of **Rs. 12 Lacs** executed in the past **three years** (i.e. from 01.04.2018 to 31.03.2021) and performance certificates from their customers.

Our Technical team may visit your works / client sites if required to understand your capability to execute our contract and quality and timeline for works carried out. You shall render your full co-operation in this regard.

After the technical evaluation is completed and approved, Purchaser shall inform the bidders whose bids have been rejected technically with the reasons for rejection.

**3.1 The price bids of the Bidders whose techno commercial bids are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening.**

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

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3.2 The bids of technically qualified bidders will be opened through **google meet / zoom**, the date and time of Price bid opening will be informed and the link to attend the bid opening by email.

4. **LOADING** : Appropriate loading will be done for deviation in payment terms, performance Guarantee and warranty period etc.

5. **DELIVERY PERIOD:**

The entire supply may be done within **Thirty days** from the purchase order and the installation, testing and commissioning work of the air-conditioner units may be completed within **One Hundred Twenty days** from the date of receipt of the material at site.

6. **LIQUIDATED DAMAGES**

If the contractor fails to maintain the required progress to complete the work and clear the site on or before the due date for completion of contract as stated in special conditions of contract or any extended date of completion, he shall, without prejudice to any other right or remedy available under the Law to the Govt. on account of such breach, pay as agreed compensation the amount calculated at the rate stipulated below as the authority (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day/ month (as applicable) that the progress remains or that the work remains incomplete.

This will also apply to items or group of items for which a separate period of completing has been specified: **Compensation for delay of work - @ 1% per month of delay to be computed on per day basis.**

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the tendered value of work or of the tendered value of the item or group of items of work for which a separate period of completion is originally given. The amount of compensation may be adjusted or set-off against any sum payable to the contractor under this or any other contract with the NCRA.

7. **INSPECTION :**

7.1 Inspection will be done by our Engineer at your works prior to dispatch, by giving advance information and mutually agreed test procedure.

7.2 Vendor will have to obtain signed the pre-dispatch inspection certificate / report from our Engineer regarding acceptance / rejection of items and same will have to be sent to purchase and stores by email.

7.3 Items shall be supplied in proper packing which shall include all the items.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

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**8. PACKING:**

The vendor shall be held responsible for items being sufficiently and properly packed for transport by road or air so as to ensure being free from any loss or damage in arrival at their destination. The packing and marking of packages shall be done by and at the expense of the Vendor. Each package shall contain a packing slip quoting Purchase Order Number and Date and showing its contents in details.

**9. DELIVERY POINT:-**

(a) GMRT-NCRA, Khodad, Near Narayangoan, Tal. Junnar, Dist. Pune 410504.

(b) Goods requiring replacement must be replaced on free of cost basis.

**10. Payment Terms :-**

The payment will be made as under:-

**(I)** The payment for the supply / works to be executed under this contract shall be made as follows subject statutory deductions. No variation in the mode of payment terms will be accepted.

**(a) For supply of item Sr.No. 1 to 7 of price bid.**

(i) 70% (Seventy percent) after receipt of items at site.

(ii) 20% (Twenty percent) on completion of Installation and testing of all ACs at respective sites and balance.

(iii) on completion of Warranty period (12 + 2 months) from the date of acceptance of all installed units or against a Bank Guarantee for equivalent amount valid for 14 months.

**(b) For item Sr.No. 8 – of price bid**

100% after satisfactory completion of entire work.

**(II)** Payment will be made by NEFT/RTGS after deduction of

(i) GST TDS if applicable.

(ii) Income tax as applicable and

(iii) any other dues.

Payment will be made from NCRA-TIFR, Pune.

**11. INDEMNITY :**

The supplier shall at all times Indemnify the Purchaser against all claims which may be made in respect of items for infringement of any right protected by patent. Registration of design or Trade Mark and shall take all risk of accidents or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfillment of the Contract.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

**ANNEXURE B**

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**11.1 Indemnity Bond**

As per **Form L** to be submitted by the contractor before commencement of the work.

- 12 **Safety & Security** : Contractor will be responsible for the safety and security of all their workmen and staff and will ensure to maintain necessary records for payment and other details as per the prevailing Procedures and Acts. Contractor will be fully responsible for any personal injury, accident, death of your personnel and shall take proper precautions against any such loss or damages by taking Workmen Compensation Insurance **at Contractor's own cost** valid for the full contract period for all the persons he deploy for this work (*if order is placed*).

Workmen Compensation Insurance policy must be taken keeping in consideration the following:

- i) Number of labourers and Supervisor deployed for this work.
- ii) Giant Metrewave Radio Telescope (GMRT), Khodad, Near Narayangaon, Tal. Junnar, Dist. Puen 410504 and at GMRT Housing Colony, Narayangaon, Tal. Junnar, Dist. Pune 410504

Copy of the Insurance policy to be submitted directly to **Shri B.S. Patil / Shri R. V. Swami** before commencing the work.

The contractor should also promptly report in writing to us all cases of accidents and damage. However irrespective of the cause and place of occurring, during the execution of the work, you should make adequate arrangements to render all possible aid to the victims of such accidents and damages.

Contractor must also ensure to submit Workmen Compensation Policy before doing any work during the defect liability period as well.

**13. WARRANTY / GUARANTEE:**

Complete system supplied must have a minimum warranty of **One year**. If the items supplied fails to perform as per the specifications during the warranty period, same will have to be rectified / replaced at no extra cost to NCRA.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

**ANNEXURE B**

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**14. LAW GOVERNING THE CONTRACT:**

This contract shall be governed by the laws of India for the time being in force. The marking of all items supplied must comply with the requirements of relevant Acts relating to Merchandise Marks and all the rules made under such acts.

**15. JURISDICTION :**

The Courts within Pune will have jurisdiction to deal with and decide any matter arising out of this Contract.

Date	:	Signature of Bidder	:
		Name & Designation	:
Place	:	Company Name & Address	:
		Company Seal & Phone No.	:

ANNEXURE C

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**Technical Specifications / Scope of work**

**Scope of work:** The scope of work includes Supply, installation, testing and commissioning of slim and high wall mounting type 2TR capacity, 230Volts  $\pm 10\%$ , 50Hz AC operated Split Air conditioning units with cordless remote, including all standard accessories at Narayangaon colony, GMRT Khodad, Tal: Junner, Dist:Pune.

**Technical specifications:** The desired / offered 2TR split AC unit shall possess the following minimum technical specifications. Bidder furnish the technical specifications of their offered unit in the table. **If the following details are not furnished bids are liable for rejection.**

Srl. No	Description	Desired tender technical specification
1	Make of the offered AC	Bidder to mention
2	Model No	Bidder to mention
3	Rating	2TR
4	Normal cooling capacity	21500 – 24000 Btu/Hr
4a	Normal cooling capacity in Watt	6300 watt – 7000Watt
5	Star rating:	Not less than 3 star.
6	Type of Mounting:	Slim high wall type.
7	Type of compressor:	Rotary /scroll
8	Power consumption	$\leq 2300$ Watts (min.) Energy efficient Units with less power consumption will be preferred.
9	Current drawn	Approx. 9 to 12 amps Bidder to mention
10	Energy Eff Ratio	3.5 to 5 (AC with better value is preferable)
11	Temperature control	Automatic through Electronic thermostat
12	Material for body of Indoor Unit:	ABS (Acrylonitrile Butadine Styrene Plastic). Durable
13	Minimum room temperature required	22 $\pm$ 2 Deg.C Settable on the unit as per requirement
14	Air flow rate: H/M/L	600/530/420CFM.
15	Noise level (H/M/L):	48/47/45 dB.
15a	Noise level of outdoor unit	<60dB
16	Fan motor indoor	03 No of speeds
17	Fan motor outdoor	Single speed – 230 volts 50 Hz AC operated.
18	Refrigerant: Bidder to mention type.	CFC free
19	Display	LCD/LED and provided on indoor unit or on handset or on both
20	Evaporator coil	Suitable gauge and sized copper

ANNEXURE C

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21	Condenser coil	Suitable gauge and sized copper
22	Operating voltage	230Volts $\pm 10\%$ AC 50Hz
23	Thermostat for cut in /off	Adjustable – electronic thermostat
24	Operation through	Cordless remote with ON/OFF timer suitable for selecting temperature setting and fan speeds, with all standard features etc.
25	Auto restart facility – to be provided.	Preserving its previous settings
26	Filters	Washable
27	Suction copper tube size OD	Bidder to mention
28	Discharge copper tube OD	Bidder to mention
29	Max allowable refrigerant line length horizontal in mtrs	Please mention
30	Max allowable refrigerant line vertical length in mtrs	Please mention
31	Compressor warranty	Bidder to mention
32	Overall AC unit warranty	Bidder to mention
33	Thermal insulation	Flexible durable AP-Armaflex/equivalent

**Notes : Make : Blue Star / LG/Voltas/Daiken/Hitachi / Carrier Refrigeration and Air-conditioning Pvt. Ltd.**

1. The Split Air conditioners should conform to ISS: 1391 (part-2) 1992 with amendment No1 and 2, fitted with hermetically sealed compressor operating on CFC free refrigerant suitable for wall mounting. Both the evaporator and condenser units shall have anti-vibrating bushes, rubbers used at required / appropriate places to avoid noise. The air conditioners shall be supplied with condenser mounting frames
2. Air conditioners shall be suitable for working on 230Volts ( $\pm 10\%$ ), 50Hz ( $\pm 6\%$ ) single phase AC supply, capable of performing the functions as cooling, air circulating and filtering. The air conditioners shall be complete with automatic temperature control and cut-in and cut-out facility etc. The air conditioners may be provided with adjustable electronic thermostat.
3. **Installation & commissioning of AC units:** Selected bidder on placement of the PO shall install and commission the split AC units as directed by the Institutes representative. The installation shall be carried out as per the site requirement / requirement of the Engineer-in-charge and as per following detailed specifications...

ANNEXURE C

Page 3 of 4

- 3.1. Mounting / fitting indoor and outdoor units with necessary fasteners at the respective locations.
- 3.2. Laying refrigerant piping of the required length and connecting both the indoor and outdoor units after drilling hole/holes in the wall, if required. Refrigerant pipes of all the AC's should be routed and insulated properly with proper bends using bending machines avoiding pinch to the pipes. Proper clamps and supports and self adhesive tapes shall be used for laying and fixing/holding refrigerant piping.
- 3.3. Refrigerant pipes supplied for extra over-length should be exactly of the same size and gauge of the pipes supplied by original machine manufacturer.
- 3.4. Provision of flare nuts, union, capillary etc. for connecting the copper line with indoor unit and outdoor unit.
- 3.5. Insulating the refrigerant (suction and discharge) pipes with flexible long lasting and durable closed cell type dust and fibre free thermal insulating material like Armaflex etc.
- 3.6. Leak testing the entire system and arresting the leakage if any.
- 3.7. First charging of refrigerant gas in the unit to achieve desired grill temperature.
- 3.8. Suitable electric wiring shall be carried out between indoor and outdoor units.
- 3.9. The indoor and outdoor units of the air conditioners shall be connected through flare nuts with necessary reducers and fasteners.
- 3.10. Fixing /clamping and routing the drain water removal piping as per site requirement. All machine's room units should be installed such that the drain water from the machines is drained through the drain pipe easily without any leakage and stagnation in the conduits. Drain pipe should be routed properly and clamped firmly using GI clamps and screws with water-proof grouting compound to the walls with sufficient slope avoiding sags so as to drain the water properly.
- 3.11. Condenser units with mounting frame should be installed so as to maintain the unit in level and room units on the inside walls maintaining the decorum & sufficient distance from the ceiling.

**4. Required Modification in indoor unit for zeroing RFI :**

Air-conditioner's in built control PCB's (Printed Circuit Boards) provided in indoor unit is required to be removed and mounted in RFI shielded box installed close to room unit. Control card installed in external RFI shielded box to be connected to all accessories of room unit through multicore shielded cable and feed through connectors to operate unit through remote control for all provided facilities as per manufactured. The required multi-pin Connectors and shielded cables will be provided by NCRA-GMRT. If possible supplier can supply the control PCB's separately to install in the shielding box for above mentioned modifications as a special requirement of GMRT.

Bidders should indicate the possibility of providing control PCB for installing in shielded box with detailed wiring diagram of control and monitoring system with voltage & current rating.

As this is only change of location of control card, under this circumstance manufacturer/ bidder should mention any change in warranty period for the air conditioners offered.

ANNEXURE C

Page 4 of 4

5. The TIFR will not be responsible for any loss or damage of the men/materials /tools/ plants engaged by the firm during the work at site or transportation.
6. The bidder shall use their own conveyance for transporting the items to the respective sites for installation.
7. The contractor shall give complete cooperation for the execution of the works by the other agencies/contractors or the representatives deputed by the Institute, if required to be carried out simultaneously by other agencies while his own work is in progress. The coordination will be effected in consultation with the Engineer In-charge of the work.
8. The contractor shall depute during the execution of the work under the contract /order only such persons who are careful, skilled and experienced in their respective trades / fields.
9. **For any technical clarification please contact or write to**

**Shri B.S. Patil / Shri R. V. Swami.**

GMRT Khodad, Near Narayangaon,

Tal. Junnar, Dist. Pune 410504.

Tel. 02132-258400 / 300

[balaso@gmrt.ncra.tifr.res.in](mailto:balaso@gmrt.ncra.tifr.res.in), [swami@ncra.tifr.res.in](mailto:swami@ncra.tifr.res.in)

**with copy to [purchase@ncra.tifr.res.in](mailto:purchase@ncra.tifr.res.in)**

**ANNEXURE D**

**TECHNICAL - COMPLIANCE STATEMENT TO BE SUBMITTED**

<b>Srl. No</b>	<b>Description</b>	<b>Desired tender technical specification</b>	<b>Bidder's offered specifications</b>
1	Make of the offered AC	Bidder to mention	
2	Model No	Bidder to mention	
3	Rating	2TR	
4	Normal cooling capacity	21500 – 24000 Btu/Hr	
4a	Normal cooling capacity in Watt	6300 watt – 7000Watt	
5	Star rating:	Not less than 3 star.	
6	Type of Mounting:	Slim high wall type.	
7	Type of compressor:	Rotary /scroll	
8	Power consumption	≤2300Watts (min.) Energy efficient Units with less power consumption will be preferred.	
9	Current drawn	Approx. 9 to 12 amps Bidder to mention	
10	Energy Eff Ratio	3.5 to 5 (AC with better value is preferable)	
11	Temperature control	Automatic through Electronic thermostat	
12	Material for body of Indoor Unit:	ABS (Acrylonitrile Butadine Styrene Plastic). Durable	
13	Minimum room temperature required	22±2 Deg.C Settable on the unit as per requirement	
14	Air flow rate: H/M/L	600/530/420CFM.	
15	Noise level (H/M/L):	48/47/45 dB.	
15a	Noise level of outdoor unit	<60dB	
16	Fan motor indoor	03 No of speeds	

Date :

Signature of Bidder :

Place :

Name & Designation :  
Company Name & Address :  
Company Seal & Phone No. :

**ANNEXURE D**

Page 2 of 2

**TECHNICAL - COMPLIANCE STATEMENT TO BE SUBMITTED**

<b>Srl. No</b>	<b>Description</b>	<b>Desired tender technical specification</b>	<b>Bidder's offered specifications</b>
17	Fan motor outdoor	Single speed 230 Volts 50 Hz AC operated.	
18	Refrigerant:	CFC free – bidders to mention type of refrigerant used.	
19	Display	LCD/LED and provided on indoor unit or on handset or on both	
20	Evaporator coil	Suitable gauge and sized copper	
21	Condenser coil	Suitable gauge and sized copper	
22	Operating voltage	230Volts $\pm 10\%$ AC 50Hz	
23	Thermostat for cut in /off	Adjustable – electronic thermostat	
24	Operation through	Cordless remote with ON/OFF timer suitable for selecting temperature setting and fan speeds, with all standard features etc.	
25	Auto restart facility	Preserving its previous settings to be provided.	
26	Filters	Washable	
27	Suction copper tube size OD	Bidder to mention	
28	Discharge copper tube OD	Bidder to mention	
29	Max allowable refrigerant line length horizontal in mtrs	Please mention	
30	Max allowable refrigerant line vertical length in mtrs	Please mention	
31	Compressor warranty	Bidder to mention	
32	Overall AC unit warranty	Bidder to mention	
33	Thermal insulation	Flexible durable AP-Armalex / equivalent	

Date :	Signature of Bidder :	
	Name & Designation :	
Place :	Company Name & Address :	
	Company Seal & Phone No. :	

ANNEXURE - E

**ELIGIBILITY CRITERIA**

Sr. No.	Description	Details to be furnished by the contractor, enclosing relevant documents in the technical bid.
1	Bidder should be either an OEM or their authorized Distributor, Dealer and Channel Partner both cannot bid.	
2	If the bidder is not an OEM then they must submit a Manufacturer Authorisation Certificate as per our <b>Annexure G</b> , mentioning that the supplier is an authorized dealer for the sales and service of the item / service tendered.	
3	Bid must be valid for a minimum period of <b>90 days</b> from the due date for submission of bid.	
4	Bidder must have an established service support Centre in Pune, documentary evidence to be submitted	
5	Bidders must have valid <b>GST registration No.</b>	
6	Successful bidder must submit :- <b>Performance Guarantee of 3%</b> of total order value including all taxes, duties etc. within <b>Twenty One days</b> after receipt of our order valid till completion of warranty period plus two months.	

**NOTE: Bidder is required to submit documents in support of each of the above failing which their bid is liable to be rejected.**

Signature of the Bidder :  
Name & Designation :  
Company Seal :  
Date :

**Annexure – F**

Page 1 of 1

**COMPANY PROFILE**

(To be filled in by the Bidder)

Sl.No.	Question	Response
1.1	Company Name	
1.2	Type of firm Proprietary / Partnership / Pvt. Ltd. / Ltd. / Single Person Company / LLP	
1.3	Date of Incorporation	
1.4	Company Head Office address	
	* Contact person(s) Name	
	* Phone Number	
	* Fax Number	
	* E-mail Address	
1.5	Address of office at <b>Pune</b> .	
	* Contact person(s) Name	
	* Phone Number	
	* Fax Number	
	* E-mail Address	
1.6	State pending or past litigation if any within the last 3 years with details and explain reasons. Please also mention any claims/complaints received in the last three years.	
1.7	Name of Designation of the Officer of the Contractor/ Bidder to whom all the reference shall be made for expeditious technical co-ordination	
1.8	Date of Establishment of firm	
1.9	<b>Details of items manufactured / works carried out by you</b>	

Signature of the Bidder

Name & Designation

Company Seal

Date:

**Annexure: “G”**

**Page 1 of 1**

**MANUFACTURERS' AUTHORIZATION FORM**

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]*

Date:

Tender No.:

To:

WHEREAS We *[insert complete name of Manufacturer]*, ..... who are official manufacturers of *[insert type of goods manufactured]*, ..... having factories at *[insert full address of Manufacturer's factories]*, ..... do hereby authorize *[insert complete name of Bidder]* ..... to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, ..... and to subsequently negotiate and sign the Contract. We hereby extend our warranty, with respect to the Goods offered by the above firm.

Signed:

*[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name:

*[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title:

*[insert title]*

Duly authorized to sign this Authorization on behalf of:

*[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

*[insert date of signing]*

**Annexure: “H”**

**Page 1 of 1**

**CLIENT’S CERTIFICATE REG. PERFORMANCE OF CONTRACTOR**

Name & address of the Client		
Details of Works executed by Shri /M/s.		
1	Name of work with brief particulars	
2	Agreement No. and date	
3	Agreement amount	
4	Date of commencement of work	
5	Stipulated date of completion	
6	Gross amount of the work completed and paid	
7	Name and address of the authority under whom works executed	
8	Whether the contractor employed qualified Engineer/Overseer during execution of work?	
9	i) Quality of work (indicate grading)	Outstanding/Very Good/ Good/Satisfactory/poor
	ii) Amt. of work paid on reduced rates, if any.	
10	i) Did the contractor go for arbitration?	
	ii) If yes, total amount of claim	
	iii) Total amount awarded	
11	Comments on the capabilities of the contractor	
a)	Technical proficiency	Outstanding/Very Good/ Good/Satisfactory/poor
b)	Financial soundness	Outstanding/Very Good/ Good/Satisfactory/poor
c)	Mobilization of adequate T&P	Outstanding/Very Good/ Good/Satisfactory/poor
d)	Mobilization of manpower	Outstanding/Very Good/ Good/Satisfactory/poor
e)	General behaviour	Outstanding/Very Good/ Good/Satisfactory/poor

Note: All columns should be filled in properly countersigned.

Signature of the Bidder

Name & Designation

Company Seal

Date:

**ANNEXURE - I**

**Page 1 of 1**

**SCHEDULE OF DEVIATION FROM GENERAL CONDITIONS**

**1) The following are the particulars of deviations from the requirements of the tender specifications:**

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

Place:

Date:

Signature and seal of the  
Manufacturer/Bidder

NOTE:

1) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating “No Deviations”.

**Annexure – J**

**Page 1 of 1**

**Bid Security Declaration  
(to be submitted on Company's letter head)**

I/We the undersigned hereby declare that if we withdraw or modify the bids during the period of its validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in the tender document or fail to execute the contract, we will be suspended for a period of one year from being eligible to submit bids for any tenders invited by NCRA-TIFR, Pune and its related entities.

**Name and Signature**

**Of Authorized Signatory**

**And Company Seal**

**Annexure – K**

**Page 1 of 1**

**Certificate of Local content**

(To be submitted on Company's Letter head signed by competent person)

"We (----- name of manufacturer) hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 50% and come under 'Class-I Local Supplier' Category. As being 'Class-I Local Supplier', we are eligible for Purchase Preference under 'Make in India' Policy vide GOI Order No. P-45021/2/2017-PP (B.E. -II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020).

OR

\*We (----- name of manufacturer) hereby confirm in respect of quoted items(s) that Local Content is more than 20% but less than 50% and come under 'Class-II Local Supplier' Category and hence not eligible for any purchase preference.

The details of the location (s) at which the local value addition made is / are as under :

1. -----
2. -----
3. -----

We also certify that if the details given above are found to be false then it shall be a breach of the code of integrity under Rules 175 (1)(i)(h) of the General Financial Rules for which I / my company or its successor can be debarred for upto two years as per rules 151 (iii) of the General Financial Rules above with such other actions as may be permissible under law.

\*Strike out whichever is not applicable

Date :

Seal and signature of the bidder

**NOTE :**

- Self-certificate that the item offered meets the minimum local content (as above) giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the make in India policy, if applicable.
- In cases of procurement for a value is excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content to avail the benefits under the make in India policy, if applicable.

**Annexure: "L"**

**Page 1 of 1**

**Format of Indemnity Bond**

(to be executed on **Rs. 500** Non-Judicial Stamp Paper by the successful bidder before commencement of work at site)

Work Order No. \_\_\_\_\_ Dt. \_\_\_\_\_

In consideration of National Centre for Radio Astrophysics, Tata Institute of Fundamental Research (NCRA/TIFR) having office at Savitribai Phule Pune University Campus, Ganeshkhind, Pune 411 007, hereinafter referred to as "The Institute", which expression shall unless it be repugnant to the context or meaning thereof, include its successors and assignors having awarded to M/s. \_\_\_\_\_ having registered office at \_\_\_\_\_, a firm carrying in such name and style the business of \_\_\_\_\_ (hereinafter referred to as "The Contractor " which expression shall unless it be repugnant to the context or meaning; thereof, include its partner(s) / proprietor(s) for the time being or its surviving partner(s) or its heirs and executors, administrators and assignees, its successors and assignors) the contract for \_\_\_\_\_ and in compliance with the terms and conditions of the said contract.

We M/s. \_\_\_\_\_ being the contractor shall save harmless and indemnify the Institute in respect of:

- a. Any expenses arising from any injury or accident or death of workers hired for this work or damage to property of any third party.
- b. Any claim made under any Act of Government or otherwise in respect of injury or damage as aforesaid.
- c. Any award of compensation or damages upon any claim as above.
- d. Any claim against the Institute by any member of the public or other third party in respect of anything, which may arise in respect of the works or in consequence thereof.
- e. Any claim which may be made upon the Institute whether under the Workman's Compensation Act or any other statute in force during the currency of this contract or of common law in respect of any worker of the contractor/or their family member(s) or of his sub-contractor(s).
- f. Any costs, charges or expenses arising out of any claim or proceeding and in respect of any award of compensation of damages arising therefrom.

For and on behalf of M/s. \_\_\_\_\_

Date:

S E A L

Accepted By

for and behalf of NCRA (TIFR) Pune

**Annexure: "M"**

**Page 1 of 2**

**FORMAT OF BANK GUARANTEE FOR PERFORMANCE GUARANTEE**

(to be executed on appropriate value of stamp paper)  
(To be used by Successful bidder after placement of order)

To,  
Centre Director  
National Centre for Radio Astrophysics  
Tata Institute of Fundamental Research  
Post Bag No. 3, University of Pune campus,  
Ganeshkhind, Pune 411 007.

In consideration of National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, Post Bag No. 3, University of Pune campus, Ganeshkhind, Pune 411 007 (hereinafter called "Centre") having agreed under the terms and conditions of Contract No. .... Dated ..... made between them and ..... (hereinafter called : The said Contractor(s)) for ..... (hereinafter called "the said Contract") having agreed to provide an irrevocable bank Guarantee for Rs. .... (Rupees ..... only), as a Security / Guarantee from the Contractor(s) for compliance of obligations in accordance with the terms and conditions in the said contract, we ..... (indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Centre an amount not exceeding Rs..... (Rupees..... only) on demand by the Centre.

2. We ..... (indicate the name of Bank) do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the centre stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees ..... only).

3. We, the said bank, further undertake to pay to the centre any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be valid discharge of our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. We ..... (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said contract and that it shall continue to be enforceable till all the dues of the Centre under or by virtue of the said contract have been fully paid and its claim satisfied or discharged or till Engineer on behalf of the Centre certifies that the terms and conditions of the said contract have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

**Annexure: “M”**

**Page 2 of 2**

5. We ..... (indicate the name of Bank) further agree that the Centre shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Centre or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Centre against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Centre or any indulgence by the Centre to the said Contractor 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.

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

7. We ..... (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Centre in writing.

8. This guarantee shall be valid up to ..... unless extended on demand by Centre. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees .....only) and unless a claim in writing is lodged with us on or before the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Signed and Sealed

Dated the ..... day of ..... for ..... (indicate the name of Bank).

Signature :

Name of the Officer :  
with No.

Seal :

Email ID :

Phone No. :

**ANNEXURE-N**

**Page 1 of 1**

**UNDERTAKING**

1. We have studied the complete tender document and accept all the terms and conditions except those specified in **Annexure I**.
2. It is certified that my firm/agency/company has never been black listed by any of the Departments / Autonomous Institutions / Universities / Public Sector Undertakings of the Government of India or Government of Maharashtra or any other State Government or Public Sector Banks or Local Bodies / Municipalities and no criminal case is pending against the said firm / agency as on **date of bidding**.
3. Works carried out by us shown in **Annexure H** have been carried out by us directly and not on back to back by third parties.

Date :	Signature of the Bidder :
Place :	Name of the Bidder :
Company Seal :	Designation :
	Phone/Fax No. :
	E-mail address :

**ANNEXURE- O**

**Page 1 of 1**

**(TAX DETAILS)**

**UN-PRICED BID – FOR RUPEE QUOTE**

**DELIVERY POINT : -GMRT-NCRA, Khodad, Tal. Junnar, Dist. Pune 410504.**

GST %	----- %
<b>YOUR GST REGISTRATION NO.</b>	
<b>DELIVERY PERIOD</b>	
<b>WARRANTY/GUARANTEE PERIOD</b>	
(a) For AC Units	(a) _____ MONTHS _____ YEARS
(b) For Compressor	(b) _____ MONTHS _____ YEARS

**Date :**

**Signature of the Bidder :**

**Place :**

**Name of the Bidder :**

**Company Seal :**

**Designation :**

**Phone/Fax No. :**

**E-mail address :**

**ANNEXURE - P****Page 1 of 2****PART - II  
PRICE BID****(To be submitted in a separate sealed Envelope)**

**Subject:** Schedule of items and quantities for supply, installation, testing and commissioning of 2TR split AC units for office rooms/ labs in MPB, Narayangaon colony & GMRT lab building, at GMRT Khodad near Narayangaon, Tal: Junner, Dist:Pune.

Sl. No	Item Description	UOM	Qty	Unit rate in Rs.	Amount Rs.
1	Supply of 2TR capacity, 230Volts +/- 10% AC, 50Hz split (Non inverter) Air conditioner of not less than 3 star rating slim, having high wall mounting type with cordless remote suitable evaporator/indoor unit working on <b>CFC free refrigerant</b> , and condenser unit with rotary / scroll compressor, fan motor/fan etc with all standard fittings and accessories , condenser mounting frame, including copper refrigerant piping (suction and discharge) of suitable size and gauge with flexible durable AP Armaflex / equivalent thermal insulation of standard length of 4 mtr for each unit and indoor unit . <b>Make: Voltas/ Blue- Star/ Daikin/ LG/ Hitachi / Carrier Refrigeration and Air-conditioning Pvt. Ltd.</b>	Nos	18		
2	Supply and laying and terminating/connecting the power supply cable of 2.5sqmm, 3 core, 650/1100volts FR grade, multistrand flexible copper conductor, PVC insulated and PVC sheathed ISI marked cable as per IS 694: 1990 of reputed make like Polycab / Finolex /RR Kable. <b>Note: Cable required for all the units may be supplied in single length /roll of 98 mtrs.</b>	Mtrs	98		
3	Supply and laying of copper refrigerant piping (liquid and gas) of extra over-length if required of suitable size and gauge including heat insulation with suitable material as per latest industry standard. Refrigerant lines shall be wrapped with self- adhesive long lasting/durable taping and supported with saddles fixing on the walls. <b>Note: Payment will be made on actual used and jointly measured quantity.</b>	Mtrs	75		

Signature of the Bidder  
Name & Designation  
Company Seal  
Date:

**ANNEXURE - P****Page 2 of 2**

Sl. No	Item Description	UOM	Qty	Unit rate in Rs.	Amount Rs.
4	Supply and laying, fixing/clamping on wall or as required at site, of drain water removal pipe (rigid PVC not less than 19mm or flexible as required at site) including accessories like bends, clamps, elbows etc.	Mtrs	80		
5	Dismantling control and monitoring card, by disconnecting all control wires of control PCB to all individual accessories of room unit and reinstalling it in RFI shielded box using feed through for inlet and outlet multi-core shielded cable. (To avoid any damage for unit, it is suggested to bidder to dismantle control unit from AC's indoor unit and provide it to GMRT for installing in RFI shielded box. After reconnecting all incoming and outgoing cables to control card to individual accessories of room unit through shielded cable, feed through connectors unit is to be tested for total operation for all control and monitoring facilities through remote control provided by manufacturer). Charges for this work may be mentioned per unit.	Per unit	18		

Note: Payment for items 2,3 4 & 5 above will be made on actual used and measured quantity.

6	Packing and forwarding Charges	Lump sum Rs.	
7	Transportation charges to GMRT, Khodad, Tal. Junnar, Dist. Pune 410504.	Lump sum Rs.	
8	Charges for the installation, testing and commissioning of 2TR capacity Air conditioning system in the Multi-purpose building, GMRT lab building, Narayangaon housing colony including provision of drain water pipe. This involves civil works like drilling holes in the walls, fixing frames, room units, condensers, laying and fixing the refrigerant lines, leakage testing etc. Condenser mounting frames shall be fixed on wall with 100/150mm long Anchor fasteners	18 Nos.	Rate / Each Rs.

Date : Signature of Bidder :  
 Name & Designation :  
 Place : Company Name & Address :  
 Company Seal & Phone No. :