

# Harish-Chandra Research Institute

Chhatnag Road, Jhunsi, Allahabad

## **INVITING TENDER FOR**

### **SITC OF 2.0 TR SPLIT TYPE INVERTER AIR-CONDITIONER WITH ELECTRICAL PROVISION FOR ONE OFFICE ROOM (ROOM NO. 303) IN MAIN INSTITUTE BUILDING AT HRI, ALLAHABAD**

Bid Reference No. : NIT – HRI/28/1545 dated 06.09.2017  
Last date and time for submission of bids : 22.09.2017 up-to 1500 Hrs.  
Date and time of opening of Bid : 22.09.2017 up-to 1545 Hrs.  
Place of Opening of Bids : Harish-Chandra Research Institute  
Chhatnag Road, Jhunsi, Allahabad-  
211019

*The dates for submission and opening of the tender mentioned above are final. In case some other dates for these are mentioned elsewhere in the tender document, the above shall prevail over them.*

Address for any clarification/communication : Mr. Ajay Srivastava SO-C,  
0532-2274333,  
ajay@hri.res.in),  
Mr. Manish Sharma SO-D,  
0532-227 4358,  
manish@hri.res.in)  
*ENGINEERING SECTION,*  
HARISH-CHANDRA RESEARCH  
INSTITUTE, ALLAHABAD

***This document contains : 7 Pages***

It will be the responsibility of the bidders to check website <http://www.hri.res.in> for any amendment through corrigendum in the tender document. In case of any amendment, bidders will have to incorporate the amendments in their bid accordingly.

Sd/-  
Seal & Signature of Registrar

**HARISH-CHANDRA RESEARCH INSTITUTE**  
**(Department of Atomic Energy, Govt. of India)**  
**Chhatnag Road, Jhunsi, Allahabad-211019**

**TENDER NOTICE NO. HRI/28/1545 DATED 06.09.2017**

Sealed Tenders are invited on behalf of the Director, Harish-Chandra Research Institute, Allahabad from authorized retailers/dealers/distributors of AC for the work **“SITC of 2.0 TR Split type Inverter Air-conditioner with electrical provision for one office room (Room no. 303) in Main Institute building” at Harish-Chandra Research Institute, Allahabad up-to 3.00 p.m. on 22.09.2017** which shall be opened on the same day at **3.45 p.m.** in presence of parties present at the time of opening of Tender.

| <b>Estimated Cost</b> | <b>EMD</b>         | <b>Security Deposit</b>        | <b>Time of Completion</b> |
|-----------------------|--------------------|--------------------------------|---------------------------|
| <b>Rs 0.88 lakh</b>   | <b>Rs. 1,760/-</b> | <b>@ 5% of tendered amount</b> | <b>4 weeks</b>            |

*The party may download the tender document from HRI web-site address:  
<http://www.hri.res.in>.*

**Director, HRI reserves the right to accept or reject any or all the Tenders without assigning any reason.**

**Sd/-**  
**Registrar**  
HRI, Allahabad

## TERMS & CONDITIONS

Sealed tenders are invited from contractor for “**SITC of 2.0 TR Split type inverter Air-conditioner with electrical provision for one office room (Room no. 303) in Main Institute**” at HRI, Allahabad

*Following instructions should be strictly followed while submitting your quotation.*

1. Your offer should valid for a period of **120 days** from the date of opening.
  2. Please note that your tender will not be considered unless it is received in sealed envelope super scribed with tender number and due date. It should be put in the Tender Box kept at the Reception of Institute Building, Harish-Chandra Research Institute at Chhatnag Road, Jhansi, Allahabad – 211 019.
  3. Deadline for receipt of tender **3.00 p.m.** on or before **22.09.2017**. Late submitted tenders will not be considered.
  4. Tender containing erasures or alterations will not be considered.
  5. The tender will be opened at the above office at **3.45 p.m.** on **22.09.2017** and your authorized representatives can be present at the time when the tenders are so opened.
  6. Bidder is required to submit the proof of experience of having successfully completed works during last seven years ending 21.09.2017. Without experience party will not be considered in the tender:
    - 3 similar works completed costing not less than Rs. 0.35 lakhs each OR
    - 2 similar works completed costing not less than Rs. 0.53 lakhs each OR
    - 1 similar works completed costing not less than Rs. 0.70 lakhs
- Similar work shall mean: AC related work. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last date of submission of tenders.
- and
- One completed similar work (either part of (6) or a separate one) costing not less than Rs. 0.35 lakhs with some Central/State Government Organization/Central Autonomous Body/Central Public Sector undertaking during last seven years ending 21.09.2017.
7. A deposit at call Receipt or Demand Draft/FDR of scheduled Bank guaranteed by the Reserve Bank of India for the **Earnest Money Deposit of Rs. 1,760/-** in favour of Registrar, HRI, Allahabad is to be enclosed with tender document at the time of submission of the tender in a sealed envelope. No exemption in earnest money shall be given. All tender submitted without requisite amount of earnest money shall be rejected and their tender shall not be considered. EMD of successful bidder will be returned after completion of work & for rest of parties after award of the work.
  8. **For this work security money will be @ 5% of order value and will be deducted from bill of party and it will be returned after 06 months from the date of completion of work.**
  9. The time of completion of work is **04 weeks** and shall be reckoned from the date of issue of work order.
  10. The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence. For delay in work, the contractor shall pay a compensation an amount equal to @1 % of the order value per week from the end of stipulated period or (extended the period if any) of contract till the actual completion of work. The penalty so impose should not be more than 10% value of order. If it is found that party is not taking interest during delay period for completing the work then competent authority of Institute may also take decision for terminating the order/contract of concerned work. In this case, their Performance security and any other Security money may also be forfeited.

11. Party should take clearance for acceptance of materials from Engineers HRI before supply.
12. All the items to be supplied should be new, of good quality and standard and as per the technical specifications mentioned in the document.
13. If bidder do 'not quote rate of any item under schedule of quantities or left the rate column blank then their bid will be treated as unresponsive & not be considered.
14. **Payment terms:** Payment will be made after completion of work duly certified by Engineer, HRI.
15. Don't detach any paper from the tender document and put the signature at all the papers of the tender document.
16. Director, HARISH-CHANDRA RESEARCH INSTITUTE reserves the right to reject any items supplied against the order, if found not working satisfactorily at the time of installation at site(s). The rejected items, if any, shall have to be taken back and replaced by good quality items forthwith at the cost of the supplier. No payment will be made for the rejected item(s).
17. Printed conditions of the tendered submitted with the tender will not be binding on HARISH-CHANDRA RESEARCH INSTITUTE.
18. Party is requested to submit the required details on separate sheet alongwith tender:
  - a. Name of the Firm
  - b. Full address of firm
  - c. Telephone no.
  - d. Fax no.
  - e. E-mail address
  - f. GST Registration no.
  - g. PAN
19. Party has to submit the warranty certificate of product with their bill. The warranty will be for one year & applicable from the date of installation/supply of the AC.
20. Decision of the Director of the Institute will be final & binding for all concerned.
21. Director, Harish-Chandra Research Institute reserves the right to reject any or all tenders without assigning any reason therefore.
22. All disputes will be subject to Allahabad jurisdiction.

**Note: The contractor acknowledge that he has satisfied himself as to the nature and location of the work before submitting the tender.**

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#### **DECLARATION BY THE CONTRACTOR**

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions from serial no. 1 to 22. This is also certified that I/We/our principal manufacturing firm has no objection in signing the contract if the opportunity for the items against this tender is given to me/us.

Date:

Signature:

Address:

Name:

Designation:

On behalf of company Seal:

**Specification of 2.0 TR Split Type Inverter Air-Conditioner**

|   |   |  |
|---|---|--|
| <b>Specification</b>  |   | <p><b>Party has to quote make &amp; model of AC in consideration near to given specification. In support they have to attach related paper/catalogue with tender.</b></p> <p><b>(Preferred Make of AC - Hitaichi/Mitsubishi /O-General).</b></p> |
| Capacity  | 2.0 TR  |  |
| Star rating   | 5 Star (Preferred)                            |  |
| Colour  | White   |  |
| Noise level   | Less than 50 dB                               |  |
| Wattage   | Max. up to 2400 Watt                          |  |
| Power Supply  | 220V-240V, 50Hz, 1 phase                      |  |
| Rated Cooling Capacity  | 6300-7100 Watt                                |  |
| Rated current   | 6300-7100 Watt                                |  |
| Rated Energy Efficiency ratio (EER)   | 3.0 w/w - 4.0 w/w                             |  |
| Air flow volume – Indoor (CFM)  | 600-1050                                      |  |
| Compressor  | Rotary type/Scroll type/Semi Hermetic (recip) |  |
| Indoor Unit Dimension (W x H x D)   | 1000-1100mm x 290-350mm x 220-230(mm)         |  |
| Outdoor Unit Dimension (W x H x D)  | 790- 870 x 600-680 x 290-400 (mm)             |  |
| Indoor Unit Net (Kg)  | Max up to17 Kg                                |  |
| Outdoor Unit Net (Kg)   | Max up to 55 Kg                               |  |
| Type of connecting pipe   | Cu – Cu                                       |  |
| Refrigerant Gas   | R – 22 /R 410A or Equivalent                  |  |
| LCD Remote  | Sleep mode, turbo, Swing, Timer, Reset, Lock  |  |
| Cooling & condenser Coil  | Copper  |  |
| In addition to the above, some others feature are also required in the proposed Air-conditioner as follows: |   |  |
| Anti-dust filter  | Yes   |  |
| Active carbon filter  | Yes   |  |
| 4 way swing   | Yes   |  |
| Symmetric Louver movement   | Yes   |  |
| Filter clean indicator  | Yes   |  |
| Auto Power save mode  | Yes   |  |
| Auto Fan speed  | Yes   |  |
| Percolated Aluminium fin  | Yes   |  |
| Inner grooved copper tube   | Yes   |  |
| Auto restart  | Yes   |  |

**Name of work: "SITC of 2.0 TR Split type inverter Air-conditioner with electrical provision for one office room (Room no. 303) in Main Institute" at HRI, Allahabad**

**SCHEDULE OF QUANTITIES**

| Sl. No. | Specification  | Qty. | Unit | Rate (including all taxes and other charges) in words & figures |      | Total Amount |     |
|---------|--|------|------|---|------|--------------|-----|
|         |  |      |      | Rs.   | Ps . | Rs.          | Ps. |
| A       | B  | C    | D    | E   |      | G = (C x E)  |     |
| 1.0     | Wiring for circuit/sub main wiring with 2x4.0 sq.mm + 1x4.0 sq.mm earth wire of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.   | 30   | Mtr. |   |      |              |     |
| 2.0     | Supply and fixing 20 amp, 240 volts SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required. | 1    | No.  |   |      |              |     |
| 3.0     | Supply and fixing of 25 mm PVC conduit alongwith accessories in surface/recess including cutting the wall and making good the same case of recessed conduit as required ISI make.  | 15   | Mtr. |   |      |              |     |
| 4.0     | SITC of 2.0 TR split type Inverter Air-conditioner as per specification enclosed.  | 1    | Each |   |      |              |     |

| Sl. No.      | Specification   | Qty. | Unit | Rate (including all taxes and other charges) in words & figures |      | Total Amount |     |
|--------------|---|------|------|---|------|--------------|-----|
|              |   |      |      | Rs.   | Ps . | Rs.          | Ps. |
| A            | B   | C    | D    | E   |      | G = (C x E)  |     |
| 5.0          | Supply & fixing refrigerant copper pipe with suitable dia. meter for suction & liquid line with polythene pipe insulation, GI spacer, screw, PVC drain pipe as suitable dia. e.t.c. | 10   | Mtr. |   |      |              |     |
| 6.0          | Supply & fixing electrical cable 3.0 core x 4.0 sq.mm   | 10   | Mtr. |   |      |              |     |
| 7.0          | Supply & fixing mounting stand for outdoor unit   | 1    | Each |   |      |              |     |
| <b>Total</b> |   |      |      |   |      |              |     |

**Note: Party should specify make & model of AC to be supplied by them**

**(Total amount in words Rupees: -----)**

Signature of Tenderer  
Address & Seal