



प्रसार भारती / PRASAR BHARATI

भारतीय प्रसारण निगम

[Broadcasting Corporation of India]

दूरदर्शन केंद्र / DOORDARSHAN KENDRA

कोषिकोड / KOZHIKODE (CALICUT) – 673 008

[ TeleFAX: 0495 2357605, e-mail: [seddcalicut@sify.com](mailto:seddcalicut@sify.com) ]

No.DDK/CLT-2(1)2012-13 –E /

Dated: 07-01-2013

To,

**Sub:** Enquiry for Supply, Installation, Testing and Commissioning of Tower Air Conditioner -- reg.

Sir,

This office is interested in the purchase of the following **Works** as specification given below/attached and invites your quotation.

**DESCRIPTION:** Sealed Tenders are hereby invited for on behalf of the Prasar Bharati ( Broadcasting Corporation of India), from reputed firms for The Supply, Installation Testing and Commissioning of 8 x 3.5 Ton Tower AC units for Doordarshan Kendra , Kozhikode as per details given below.

Sl. No	Description	Quantity	Remarks
1	Supply of 3.5 TR Floor Standing type Air conditioner similar to Blue Star Model No.VCE-421SC	8 (Eight) Nos.	
2	Supply and laying of Copper pipe for liquid line & suction side with thermal insulation including necessary supporting hardware	9 (Nine) Mtrs. Per unit (Approx)	
3	Supply and connecting Electrical Control Cable for indoor unit to outdoor unit.	9 (Nine) Mtrs. Per unit (Approx)	
4	Supply and fixing of water drain pipe for indoor unit with insulation.	9 (Nine) Mtrs. Per unit (Approx)	
5	Charges for installation, testing and commissioning of indoor units and outdoor units including necessary civil work.	8 (Eight) Job.	

Detailed specifications as per the Annexure.

- Note:** 1) Rates quoted should be inclusive of all taxes.  
2) Rates quoted for items 2,3 & 4 should be **per meter**.  
3) Actual required quantity of control wire, copper pipe and drain water pipe will be intimated in the supply order.  
4) The drain water pipe should be threaded PVC with insulation.

**CONSIGNEE :** The Deputy Director (Engineering), Doordarshan Kendra, Medical College Campus P.O, Kozhikode, PIN: 673 008

## TERMS AND CONDITIONS

2. The quotation should specifically mention **Make & Type of the items**, delivery date, terms and condition of supply. The prices given should be firm and as under.
  - (a) The prices quoted shall remain fixed during the entire period of supply/contract and shall not be subject to variation on any account. A bid submitted with an adjustable price quotation is likely to be treated as non responsive and rejected.
  - (b) The 'Unit' Price should be for the Unit as indicated in the tender enquiry.
  - (c) Prices quoted should be for F.O.R. Station of destination in India and Inclusive of charges as packing customs, etc., wherever applicable.
  - (d) The quotation should specifically mention rates for Supply, Installation charges & Taxes separately.
3. In case of Quotation of F.O.R Station of dispatch basis, the purchaser will not pay separately transit insurance and the supplier will be responsible until the stores arrive in good condition at the destination. Tender/quotation in which transit insurance has been specified as an additional item of expenditure is liable to be ignored.
4. The tender shall consist of three parts (bids) namely:
  - (a) **EMD**: Earnest Money amounting to **Rs.17,000/- [Rupees Seventeen Thousand only]** in the form of Demand Draft on Nationalized Bank / Commercial Bank drawn in favour of **The ADG (E) (SZ), AIR & DD, Chennai-5** should accompany the tender. Tenders without EMD shall be summarily rejected and their bid will not be opened at the time of tender opening and shall be rejected as non responsive at the bid opening stage and returned to the bidder unopened [EMD exemption is applicable for those who are registered with the Central Purchase Organization, National Small Industries Corporation (NSIC) or the Concerned Ministry or Department [ MIB / DG:AIR / DG:DD].
  - (b) **TECHNICAL BID**: Technical bid should contain the confirmation to the enclosed technical specifications. This should be submitted in a separate sealed envelope with "**TECHNICAL BID**" written on it.
  - (c) **COMMERCIAL BID**: The commercial bid should contain the price bid and acceptance of the commercial terms and conditions of this tender document. The price should be quoted for free delivery of materials at respective destinations. This should be submitted in a separate sealed envelope **with** "The tenders will be submitted in sealed envelopes with the name of work, date of opening and the bid enclosed written on the envelopes.

**The above mentioned envelopes should be enclosed and submitted in another large size envelope duly sealed and super scribed with " SITC OF Tower AC units for DOORDARSHAN KOZHICODE. "and date of opening. The envelope will be received at the office of The Deputy Director (Engg.), Doordarshan Kendra, Medical College Campus P.O, Kozhikode, PIN: 673 008 up to 1300 hrs. on 22.01.2013 . The technical bid and E.M.D. will be opened on the same day at 1500 hrs. The commercial bid will be notified after recommendation of technical committee.**

In case tender opening date falls on a holiday, the bids will be received and opened at the same specified time on next working day. Bids received late or submitted after the scheduled specified time on scheduled date will not be entertained and will be returned back unopened.

The purchaser may, at his discretion extend the deadline for the submission of the bids by amending the bid document , in which case all rights and obligations of the purchaser and bidders previously subject to then deadline will thereafter be subject to the deadline as extended.

**Tenderer should quote for all the required items. Partial tenders will be rejected.**

(d) **SECURITY DEPOSIT:**

The successful Tenderer shall furnish the Security Deposit within 2 weeks after placement of order at the rate of 5% of the Order Value, failing which the EMD will be forfeited automatically, to the Prasar Bharati ( Broadcasting Corporation of India, without any notice. The security deposit shall be furnished in the form of Demand Draft / Bank Guarantee drawn in favour of The ADG (E) (SZ), AIR & DD, Chennai-5. The Security Deposit will be returned in full on completion of successful Guarantee/Warranty Period.

5. **TAXES:**

- a. Payment of Entry Tax / Octroi Duty and Toll Tax (on ultimate products). As the material, which is to be transported to the consignee, belongs to the Government of India / Prasar Bharati and therefore is exempted from Entry Tax / Octroi Duty / Toll Tax. However, if the State Governments / Statutory Local Bodies are bound to levy such taxes, the taxes will be paid by supplier / contractor. Supplier / Contractor may raise its claim, for reimbursement of such duties / taxes paid, with Organisation, along with original receipt of the payment.
- b. Sales Tax / Service Tax leviable and intended to be claimed from the purchaser should be distinctly shown along with prices quoted. Where this is not done no claim for Sales Tax / Service Tax will be admitted at any later stage and on any ground whatsoever.

\* **Please note that this Office will not issue any Form such as 'C', 'D' etc.**

6. Printed terms and conditions of tendering firms will not be considered as forming parts of their tender.
7. **GUARANTEE / WARRANTY PERIOD:** The Equipment / Work shall be guaranteed against any Manufacturing defects for a period of **1 Year** from the date of commissioning. Any parts failing during the Guarantee period shall be repaired / replaced free of charge by the supplier at the Sites.
8. **DELIVERY OF STORES:** The delivery of the entire Equipment at Doordarshan's site shall be completed within **One Month** from the date of placement of order. Delivery period may also be quoted separately.

9. **TERMS OF PAYMENT:**

- a. NAME OF PURCHASER : Prasar Bharati ( Broadcasting Corporation of India)
- b. PAYING AUTHORITY : The ADG(E)(SZ),  
All India Radio & Doordarshan  
4-A, Swami Sivananda Salai,  
Chennai-600 005.
- c. BILLS: All the supplies and works shall be in conformity with the order and all the part bills shall be prepared in quadruplicate in the same format as that of the work order and shall be submitted to the consignee for necessary certificates and Onward transmission to the paying authority.
- d. 80% of the contract price for the equipments/materials inclusive of Excise Duty and Sales Tax shall be paid on initial inspection and delivery of equipments at site in good condition.
- e. 20% of the contract price for the equipments/materials and 100% of Installation charges on satisfactory completion of Installation, Testing, Commissioning and Handing over.

10. The quotation should be sent in a sealed cover addressed to the undersigned, by name, so as to reach on or before 22.01.2013, 1300 hrs.

**THE COVER SHOULD BE SUPERSCRIBED WITH THE FOLLOWING:**

- a. **Material for which quotations are enclosed.**
  - b. **Reference to letter of enquiry.**
  - c. **Due date of opening quotation.**
11. The Quotations will be opened in this office at 3.00 P.M. on 22.01.2013 in the presence of tenderers or their agents such as they may choose to attend.
- 12. QUOTATIONS NOT PROPERLY SUPERSCRIBED WILL NOT BE CONSIDERED.**
13. The quotations submitted shall remain open for acceptance for a period of **90 (Ninety) days** from the date of opening of the Tender. If any Tenderer / Suppliers withdraws his Tender/Quotation before the said period or makes any modifications in the Terms & Conditions on the Tender/Quotation which are not acceptable to the Department, then the Government shall, without prejudice to any other right or remedy, be at the liberty to forfeit 50% of the Earnest Money as aforesaid.
14. Both your **PAN - Permanent Income Tax Account Number** and Income Tax Circle & your **TIN - Tax Identification Number** and the Tax circle should be definitely indicated in your quotation.
15. In case of supply of any Specific or Manufacturer item, the Manufacturer's Test Certificate/**preferably from MSME**, should be enclosed with the supply. The Goods are subjected to **Inspection before acceptance**. The date of Inspection of may be intimated to this Office before dispatch to the consignee.
- 16. RIGHT OF ACCEPTANCE:**  
The undersigned reserves the right to reject the lowest tender or all the tenders without assigning any reasons whatsoever. Further, the undersigned reserves himself the right to increase or decrease up to 50% of the quantity of goods and services specified in the schedule of the requirement without any change in the unit price of the order quantities or other term conditions at the time of award of contract. All Quotations/Tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected. The competent authority on behalf of President of India reserve himself the right of accepting the whole or any part of the Tender shall be bound to perform the same at the rate quoted.
17. Canvassing whether directly or indirectly, in connection with Tender/quotation is strictly prohibited and the Tender/quotation submitted by the Contractors / suppliers who resort to canvassing will be liable to rejection.
18. The undersigned also reserves the right to place Repeat Order up to 50% of the quantity of goods and services contain in the running tender / contract within a period of 6 months from the date of order/ agreement at the same rate.
- 19. LANGUAGE / UNITS:** All information supplied by the Tenderer & all markings, notes, designation on the drawings & associated write-ups shall be in "**English language**" only. All dimensions, units on drawings, all references to weights, measures & quantities shall be in MKS.
20. In case this is second enquiry, your Quotation in response to the first enquiry should be presumed to be valid up to 120 days from the last date mentioned in para 11 above unless we hear from you.

**21. EXPERIENCE:** The tenderer should give documentary proof for having successfully designed, fabricated, installed and commissioned similar type of equipment/work. They should also submit list of works which are in hand at the time of submission of tender. The list shall contain the name of work, cost of work and present position of work.

**22. AFTER SALES SERVICE:-** The Tenderer should give full details of after sales service capability. The locations of service centers across the country shall be indicated. If there is no service centers at/near the location of the site the tender is likely to be rejected.

**23. TECHNICAL SPECIFICATION AND GENERAL TERMS AND CONDITIONS:**

For technical specification for other general terms and conditions see the Annexures.

**The tenderer should submit necessary pamphlets description of items being offered along with technical bid and also the firms to which similar items were supplied in the near past and completion report.**

**24. FAILURE AND TERMINATION CLAUSE**

Time and date of delivery shall be essence of the contract. If the Contractor / Supplier fails to deliver the stores / execute SITC / SETC, or any installment thereof within the period fixed for such delivery in the schedule or at any time repudiates the contract before the expiry of such periods, the purchaser may without prejudice to any other right or remedy, available to him to recover demurrages for breach of the contract:-

- (a) Recover from the Supplier/Contractor as agreed, liquidated demurrages including Administrative expenses and not by way of penalty, a sum equivalent to 0.5% per week up to maximum limit of 10% of the contract value for such delay or part thereof (this is an agreed, genuine pre-estimate of demurrages duly agreed by the parties) which the supplier/contractor has failed to deliver thereof is accepted after expiry of the aforesaid period, provided that the total demurrages so claimed shall not exceed 10% of the contract price of the stores / SITC / SETC. After full period of extension, termination of the contract will be considered by the Organization.
- (b) Purchase or authorize the purchase elsewhere on the account and at the risk of the contractor/supplier, of the stores not so delivered / SITC / SETC not carried out or other of a similar description (where stores exactly complying with the particulars are not in the opinion of the purchaser, which shall be final, readily procurable) by serving prior notice to the contractor/supplier without cancelling the contract in respect of the installment not yet due for delivery or,
- (c) Cancel the contract or a portion thereof by serving prior notice to the Contractor/Supplier and if so desired purchase or authorize the purchase of the stores not so delivered / SITC / SETC not carried out, or others of a similar description (where stores not delivered / SITC / SETC not carried out, exactly complying with particulars are not in the opinion of the purchaser, which shall be final readily procurable) at the risk and cost of the Contractor/Supplier. If the Contractor/Supplier had defaulted in the performance of the original contract, the purchaser shall have the right to ignore his tender for risk purchase even though the lowest, where the contract is terminated at the risk and cost of the firm under the provisions of this clause, it shall be in the discretion of the purchaser to exercise his discretion to collect or not, the Security deposit from the firm on whom the contract is placed, at the risk and expense of the defaulted firm.
- (d) Where action is taken under sub-clause (b) or sub-clause (c) above, the contractor shall be liable for any loss which the purchaser may sustain on that account, provided the purchase or if there is an agreement, to purchase, such agreement is made in case of failure to deliver the Stores/Services, within 6 months from the date of such failure and in case of repudiation of contract the Contractor/Supplier shall not be entitled to any gain on such the entire discretion of the purchaser to serve a notice of such purchase on the Contractor/Supplier.

- (e) It may further be noted that clause (a) above provides for recovery of liquidated demurrages on the cost of contract price of delayed supplies (whole unit) at the rate of 0.5% per week up to maximum limit of 10% of the contract value for such delay or part thereof. Liquidated demurrages for delay in supplies thus accrued will be recovered by the paying authority on instruction as specified in the supply order, from the bill for payment of the cost of materials / works submitted by the supplier / contractor in accordance with terms of supply order on instruction from Purchaser regarding liquidated demurrages amount.
- (f) Notwithstanding anything stated above, equipment and materials will be deemed to have been delivered / SITC / SETC will be deemed to have been carried out only when all its components, parts are also delivered. If certain components of stores are not delivered in time / SITC / SETC not carried out in time, the stores / SITC / SETC will be considered as delayed until such time all the missing parts are also delivered.

**25. ARBITRATION OF CONTRACTUAL DISPUTES:**

If a dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived there from, the parties agree to submit that dispute to arbitration under ICADR Arbitration Rules, 1996. The Authority to appoint the arbitrator(s) shall be the International Centre for Alternative dispute resolution.

The International centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR Arbitration Rules, 1996.

- a) The number of arbitrator(s) shall be one who has legal as well as Technical Background.
- b) The language of the arbitration proceedings shall be English.
- c) The place of arbitration proceedings shall be **Kozhikode only**.

**26. GENERAL:**

All the pages of the tender document should be duly signed, stamped and serially numbered on submission, failing which the tender may not be considered as qualified tender

**Web Site:** <http://ceszairdd.org.in/tenders.php>  
<http://allindiaradio.gov.in/Information/Tenders>  
<https://tenders.gov.in>  
[www.ddktvm.gov.in/](http://www.ddktvm.gov.in/)

(K.GOPAKUMAR)  
Deputy Director (Engg.)

**TECHNICAL SPECIFICATION**

The AC unit proposed to be supplied should have the following facilities:

- 1) Selectable Thermo Sensor.
- 2) Switchable Fan Speed.
- 3) Auto Swing.
- 4) Remote Controller.
- 5) Local Control Panel with LED/LCD Display.

The AC unit proposed to be supplied should meet the following requirement:

**Compressor**

<b>Sl. No.</b>	<b>Description</b>	<b>Required Parameter/ Measured value</b>
1	Compressor Type	Scroll
2	Refrigerant	R 22
3	Max. ambient temperature	46 deg C
4	Compressor Warranty	5 Years

**Performance Parameters**

<b>Sl. No.</b>	<b>Description</b>	<b>Required Parameter/ Measured value</b>
1	Nominal Capacity (TR)	3.5
2	Cooling Capacity (BTU/Hour)	42000
3	Power Input (Watt)	3890
4	EER (BTU Per Hour/Watt)	10.80
5	Moisture Removal (Litres/Hour)	3.5
6	Air Flow Volume (CFM) (H/L)	649/531
7	Noise Level Indoor (H/L) in dB	54/51
8	Noise Level Outdoor in dB	68

**Features**

<b>Sl. No.</b>	<b>Description</b>	<b>Required Parameter/ Measured value</b>
1	Modes	(Auto/Cool/Fan/Dry), No Heat
2	Timer ON / OFF	Yes
3	Horizontal Louver	Manual
4	Vertical Louver	Motorized
5	Air flow direction control	Yes
6	Auto restart function	Yes
7	Fan modes	(Auto/High/Low)
8	Anti freeze thermostat	Yes

9	Self diagnosis	Yes
10	LCD Display in IDU	Yes
11	Filter Configuration	Catechin Filter/Dust Filter
12	Evaporator Fins	Hydrophilic Fins
13	Condenser Fins	Anti Corrosive Blue Fins
14	Remote	LCD Remote

### **Input Power Supply**

<b>Sl. No.</b>	<b>Description</b>	<b>Required Parameter/ Measured value</b>
1	Indoor unit (V/Ph/Hz)	230/1/50
2	Outdoor unit (V/Ph/Hz)	415/3/50
3	Running Current Total (Amps)	18.5
4	Running Current Per Phase (Amps)	6.2
5	Power Supply to ODU (Core/Guage)	2.5 sq. mm
6	Cable From ODU to IDU (Core/Gauge)	1.5 sq. mm

### **Tube Size & Piping Capability**

<b>Sl. No.</b>	<b>Description</b>	<b>Required Parameter/ Measured value</b>
1	Suction Tube Size	¾"
2	Liquid Tube Size	½"
3	Total Max Piping Capability (Metre)	15
4	Max Piping Height Di_ference (Metre)	5

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