

PRASAR BHARATI  
(Broadcasting Corporation of India)  
OFFICE OF THE Additional Director General (E)(SOUTH ZONE)  
ALL INDIA RADIO & DOORDARSHAN  
Swamy Sivananda Salai, Chennai - 600 005

NO. CESZ/PUR/31/ACP/2011-12/

Date:- 18.10.2011

**SUB: SITC of Cooling Tower for 18 TR AC Plant including foundation work at AIR Gulbarga.**

Sir,

Kindly find enclosed the tender enquiry for the Supply, Installation, Testing and Commissioning (SITC) of Cooling Tower for 18 TR AC Plant including foundation work at AIR Gulbarga.

Tender documents can be downloaded from the following web sites on free of cost:

[www.ceszaidd.org.in/tenders.html](http://www.ceszaidd.org.in/tenders.html)

[www.allindiaradio.org/tender.html](http://www.allindiaradio.org/tender.html)

[www.tenders.gov.in](http://www.tenders.gov.in).

The tenders will be received at the Office of The ADG(E) (SZ), AIR & DD, Swamy Sivananda Salai, Chennai-5, up to **1230** Hrs on 03.11.2011. 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.

Yours faithfully,

(M.SUJATHA)  
Assistant Engineer

**PRASAR BHARATI**  
**(BROADCASTING CORPORATION OF INDIA)**  
**OFFICE OF THE Additional Director General (E)(SOUTH ZONE)**  
**ALL INDIA RADIO & DOORDARSHAN**  
**SWAMI SIVANANDA SALAI, CHENNAI-600 005.**

**NO. CESZ/PUR/31/ACP/2011-12/**

**Date:- 18.10.2011**

**SUB: SITC of Cooling Tower for 18 TR AC Plant including foundation work at AIR Gulbarga.**

**1. DESCRIPTION:-**

SEALED TENDERS ARE HEREBY INVITED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA, FROM REPUTED FIRMS FOR THE SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF **Cooling Tower** for 18 TR AC Plant.

**The tender shall consists of three parts (bids) namely:**

**(a) EMD:-** Earnest Money amounting **Rs.3,000/-** in the form of Demand Draft on Nationalized Bank drawn in favor of ADG(E)(SZ),AIR & DD, Chennai-5 should accompany the tender'. EMD by means of Bank guarantee or any other mode of payment other than DD shall not be accepted. Tenders without EMD shall be summarily rejected and their technical cum commercial bid will not be opened at the time of tender opening. (No exemption for payment of EMD is accepted by this office.)

**(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 **"COMMERCIAL BID"** written on the envelope.

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 superscribed with Cooling Tower for 18 TR AC Plant "and date of opening. The envelope will be received at this office of The ADG(E) (SZ), AIR & TV, Swamy Sivananda Salai, Chennai-5 up to 1230 hrs. on 03.11.2011. 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.

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

**4. VALIDITY:-** The tender shall be kept valid for three months **(90 days)** from the date of opening.

**5. PRICES:-** The prices quoted should be firm and for free delivery at site inclusive of transit insurance, excise duty and entry tax and other tax if any should be quoted separately. Tenderers should quote in figures as well as in words the amounts tendered by them. In the case of illiterates, the rates or the amounts tendered should be attested by a witness. Breakup of prices for individual/ whole units should be specified wherever possible instead of bunching all units together. Similarly supply price and works price (Like installation, testing, Commissioning) should be quoted separately.

**6. DUTIES AND TAXES:-**

**(a) EXCISE DUTY:-** The prices should contain an element of Excise Duty which should be indicated separately. Any statutory variation in the Excise Duty taking place after acceptance of tender within the delivery date will be adjusted by the purchaser on Production of documentary proof.

**(b) SALES TAX / VAT:-** The prices should be exclusive of ST/CST/VAT. The prevailing rate of ST/CST/VAT should be clearly mentioned in the tender.. The following certificates are to be submitted by the supplier along with the bills.

"Certified that the goods on which the sales tax has been charged have not been exempted under central sales tax act of the rules made thereunder. The amount charged on account of Sales Tax/VAT on these goods is not more than what is payable under provision of the relevant act or the rules made thereunder".

"Certified that we are registered as dealers in the State under registration No. for the purpose of Sales Tax. Any Statutory variation in ST/VAT taking place after acceptance of tender within the delivery date will be adjusted by the purchaser. For this purpose, Government order should be produced".

**(c) WORKS CONTRACT:-** If work contract tax is leviable by the concerned State Government on works contracts, the same shall be clearly mentioned in the Tender. The contractor should furnish the service tax number in the quotation.

**7. TERMS OF DELIVERY:-** F.O.R. Destination.

**8. DELIVERY PERIOD:-** Tenderer may note that the entire work shall be completed within **2 months** from the date of the work order. The lay out wirings and other drawings wherever applicable shall be **got approved within 10 days** from the date of Work order.

EMD of all but the last three tenderer will be returned back within 10 days opening of tenders. EMD of the remaining two tenderer other than that of the successful tenderer will be returned after finalising the contract. EMD of the successful tenderer will be returned after expiry of Guarantee period.

**9. IT CLEARANCE CERTIFICATE:-** Income tax clearance certificate shall be submitted along with the tender, without which the tender is liable to be rejected.

**10. 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.

**11. 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.

**12. 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.

**13. ACCEPTANCE/REJECTION OF TENDER:-** The acceptance of a tender will rest with the ADG(E)(South Zone), AIR & TV, Chennai-5 who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reason.

**14. GENERAL:-** Canvassing in connection with tender is strictly prohibited and the tenders submitted by tenderness who resort to canvassing will be rejected.

(M.SUJATHA)  
Assistant Engineer  
for ADG(E) (SZ)

**Encl:-** 1. Technical Specification - Page No.5

2. General terms & conditions - (Page No 6 -10)

## **Technical Specification of Cooling Tower for 18 TR AC Plant**

Cooling Tower with suitable platform is to be provided near the existing cooling Tower platform with suitable pipe line connected to the existing arrangement.

Counter flow cooling tower with rotating sprinkler Assembly, Fan directly connected to the Motor with Water Collecting Basin and all Accessories, capacity – 30 TR

### **Duty conditions:**

Water Circulation rate:300LPM, Inlet Temp :38.0Degree C, Out let Temp : 30.0 Degree C, Design wet Bulb Temp : 26.0 Degree C.

### **Dimensions Details :**

Inlet SizeNB:3”, Outlet Size NB 3”, Fan Diameter :740 MM No. of Leafs (P.P) : 4  
Motor Details Horse power : 1 HP RPM :960,Drive Direct.

### **Materials :**

Tower Structure : FRP(NPG Gel Coat) Water Basin: FRP, Hard Wares :GI, San Hub: ALU,  
Fan Leafs: ALU, Suction Tank: FRP Mesh Nylon, Sprinkler/Nozzles: ALU

### **Additional materials Required for installation :**

14feet length 3 inches dia. GI Pipe(C class) and 5 nos. Bends

The work should be awarded on SITC basis. Including the foundation Required for the cooling tower.

### **MATERIALS**

Tower Structure	: FRP (NPG Gel Coat)	Make	: NEW INDIA/ EQUAL
Water basin	: FRP	Insulation	: ‘ F’
Hard wares	: GI	RPM	: 960
Fan hub	: ALU	Drive	: Direct
Fan Leafs	: ALU	<b>PERFORMANCE</b>	
Sucton tank	: FRP	Spray Loss	: 0.01% of circulation
Mesh	: Nylon	Evaporation Loss	: 0.83% of circulation
Sprinkler/ Nozzles	: ALU	Tower weight	:

## GENERAL TERMS AND CONDITIONS FOR WORK ORDER

1. **NAME OF PURCHASER** : The President of India
2. **PAYING AUTHORITY** : The Additional Director General (E)(SZ)  
All India Radio & Television  
Swami Sivananda Salai,  
Chennai-600 005.

### **3. PAYMENT TERMS:**

- (i) 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.
- (ii) 20 % of the contract price for equipments and 100 % of installation charges on satisfactory completion of installation, commissioning and handing over.

### **4. BILLS:**

All the supplies and works shall be in conformity with the order and all the part bill shall be prepared in quadruplicate in the same format as that of the order. All those part bills shall be submitted to the consignee for necessary certificates and onward transmission to the paying authority.

### **5. SECURITY DEPOSIT:**

The contractor shall furnish the security deposit within 2 weeks of placement of order at the rate of 10 % of the contract value subject to a maximum of Rs. 5 Lakhs at the time of signing the contract.

The security deposit shall be furnished in favour of "The Chief Engineer (South Zone) AIR & TV, Chennai-5" in any one of the forms mentioned below.

- a) Cash in full (b) DD Payable at Chennai (c) Bank Guarantee from any Nationalized Bank valid upto the end of warranty period as per contract. The warranty period starts from the date after completion of the SITC work and taking over. (Not from the date of supply of DG and Standard Control Panel set).

The EMD received will be returned after receipt of S.D. The security Deposit shall be refunded in full on completion of successful guarantee/Warranty.

### **6. DESPATCH INSTRUCTIONS:**

The packing and marking of goods shall be as laid down in clause-12 of general conditions of contract DGS & D 69 (Revised).

- a) The contractor shall arrange to dispatch the goods duly insured direct to the consignee after prior intimation for delivery at site by whichever mode of transport he may choose, to ensure safe delivery of goods at site. Unloading shall be done at site at the contractor's Expense. Only storage space will be provided by the consignee. The contractor will provide his own security like locking etc and store the materials at his own risk.

b) The contractor must submit his challans in triplicate to the consignee sufficiently in advance of the actual arrival of the stores at the destination failing which he will be held responsible for any subsequent discrepancies between the actual receipt and the material detailed in the challan received later. The challan must also contain the following information's:

1. Brief description of stores.
2. Railway/ Lorry Receipt No. & Date.
3. Supply order No. & Date.
4. Inspection note No. & Date

c) The consignment received at site shall be opened and checked for Shortages/damages by the contractor himself. He shall show all the Materials received at site to the consignee to enable him to certify Receipt of stores in good condition. However, in exceptional circumstances, the contractor may request the consignee to check the consignment on his behalf. In such cases the consignee shall notify the contractor of the shortage/damages immediately on receipt of consignment at site. Expenses incurred, if any, in any, in checking the consignments shall be debitible to the contractor's account.

## **7. INSPECTION:**

### **a) SCOPE OF INSPECTION:**

#### **i) PRE INSPECTION:**

Manufacturers / Contractors must satisfy themselves that the stores are in accordance with the terms of the contract and fully conform to the required specification by carrying out thorough pre-inspection of each lot before actually tendering the same for inspection to the inspecting officer nominated under the terms of the contract. A declaration by the contractor the necessary pre-inspection has been carried out on the stores tendered shall be submitting along with the challan. The declaration will also indicate the method followed in carrying out pre-inspection showing the features checked, tested and will have the certificates attached to the challan/declaration. If the Inspecting officer finds that pre-inspection of the consignment' as required above has not been carried out the consignment is liable for rejection.

#### **ii) INITIAL INSPECTION:**

All the supplies including fabricated items and bought out items shall be inspected before actual inspection. The place of inspection shall be as at below. Also the installation at the site shall be inspected periodically during installation. If the inspecting officer finds initial inspection that the supplies are not according to specification, the suppliers are liable for rejection. The purchaser may at his discretion waive initial inspection in respect of those supplies which bear ISI certificates or manufacturer's test certificates. The contract shall approach the inspecting officer for inspection at least two weeks in advance of the actual date of inspection. All arrangements for inspection shall be made by the contractor. Any deviation in stores after initial acceptance by the Inspector and their receipt by the consignee shall be to the account of the contractor. The contractor shall forward the relevant copies of the inspection certificates of the stores to the consignee along with delivery challan.

**iii) FINAL INSPECTION:**

The entire installation shall be inspected by the inspecting officer on completion of **Installation, commissioning and Complete work at the project.**

**INSPECTING OFFICER: Consignee or Nominees of the ADG(E)(SZ)/I.O. at Site.**

**8. INSURANCE:-**

The contractor shall arrange for the insurance covering the risk during transit, Storage and installation till commissioning. All the charges for such insurance shall be borne by the contractor.

**9. ADDITIONAL QUANTITIES:-**

The purchaser reserves the right to place order for additional quantity upto 100% of the ordered quantity at the same rates and terms and condition during the currency of the contract.

**10. PENALTY FOR DELAY:-**

If the contractor is unable to complete the supply, installation, testing and commissioning within the stipulated time limit the purchaser may at his option allow such additional time as may considered justified with/without penalty and without altering terms and conditions of the order. In the event of failure of the contractor to complete the supply, installation testing and commissioning within the stipulated time or the extended time, the purchaser has the right to impose penalty of Rs.350/- per week or part thereof for every Rs.1,00,000/- of the total contract price. The contractor's liability for delay, however, shall not exceed 5% of the total contract price.

**11. GUARANTEE / WARRANTY:-**

The contractor shall accept clause-18 of the Form No. DGS & D-71 with exception that his obligation shall be limited for a period of 24 months from the date of taking over completion of the successful performance excluding down time during which the equipment was not working satisfactorily due to defective parts, faulty material/design/workmanship or fault erection. During the guarantee period the contractor shall repair or replace free of charge any parts that will become defective due to faulty material design, workmanship or erection.

**12. CONDITIONS OF CONTRACT:-**

DGS & D-68 (Revised and DGS & D-71 as amended upto date. However, Such of these conditions stipulated on this tender shall supercede corresponding conditions in DGS & D-71. The contractor shall sign a contract agreement form in triplicate in the prescribed Proforma and submit the same along with Security Deposit within 15 days. The complete form with the purchaser's signature shall be sent back to the contractor. No supplies will be made and no work shall start unless the agreement is signed by the contractor and the purchaser.

**13. SPECIAL CONDITIONS:-**

In addition to the terms and conditions contained in the general conditions of contract DGS & D-68 (Revised and DGS & D-71, the contract would also be governed by the following special conditions:-

- i) In case where only a portion of the stores ordered is tendered for inspection at the fag end of the delivery period the purchaser reserves the right to cancel the balance quantity not found acceptable after carrying out the inspection at the risk and expense of the contractor. If however, the stores tendered for inspection are found acceptable the purchaser may grant an extension of the delivery period subject to the following conditions:-

- (a) That no increase in price on account of any statutory increase in or fresh imposition of customs duty, excise duty, sales tax or on account of any other tax or duty leviable in respect of the stores specified in the acceptance of tender shall be admissible on such of the stores as are delivered after the expiry of the delivery period stipulated in the A/T.
  - (b) That notwithstanding any stipulation in the contract for increase in price or any other grounds no such increase which takes place after the date of delivery stipulated in the A/T. shall be admissible on such of the stores as are ordered after the expiry of the delivery period stipulated in the A/T.
  - (c) But, nevertheless the purchaser shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax on account of any other ground stipulated in the price of variation clause which takes place after the expiry of the date of delivery stipulated in the A/T.
  - (d) The contractor shall not dispatch the stores till such time extension in delivery period is granted by the purchaser and accepted by the supplier before and extension letter as aforesaid is issued by the purchaser, the same are deemed to be subject to the conditions set out in proceeding paragraph.
- ii) In case where the entire quantity has not been tendered for inspection within the delivery period stipulated in the A/T and the purchaser chooses to grant an extension of delivery period, the same would be subject to conditions mentioned in (i) above.
  - iii) The contractor shall refund any advance/part payment issued to him in respect of the rejected stores within 14 days of the receipt of intimation from the consignee about the rejection of such prices. This is strictly without prejudice and in addition to the rights provided in the clause-17 (8) of form DGS & D-67.
  - iv) The contractor is required to replace the rejected stores forthwith but in any event not later than a period of 14 days from the date of rejection and the contractor shall bear all the costs of such replacement including freight, if any but without being entitled to any extra payment or any other account.
  - v) Where under the contract, price payable is fixed F.O.R. dispatching station, the contractor shall, if the stores are rejected at destination by the Consignee, be able to, in addition to his other liabilities (including refund of price recoverable in respect of the stores rejected) to reimburse to the purchaser the freight and all other expenses.

#### **14. ENFORCEMENT OF LABOUR LAWS:-**

While engaging labour for carrying out obligations under the contract the contractor shall satisfy the conditions laid down under contract labour (Regulation and Audition) Act 1970 and (Central) Rules 1971 as amended from time to time and observe all formalities required as per said Act/Rules. The supplier shall also observe the provision under minimum wages act 1948 (Central) Rules 1950 amended from time to time while engaging labour.

**15. FORCE MAJURE:-**

If any time during the continuance of the contract the performance in whole or in part by the contractor shall be prevented or delayed by reason of any war, hostility acts of the public enemy. Civil commotion, Sabotage, fires, floods, explosions, epidemics, Quarantine restrictions, strikes, lock-outs or acts of God (therein after restrictions refer to as events and provided notice of happenings of any such eventuality is given by the contractor within 21 days from the date of occurrence thereof, the purchaser shall by reason of such event, neither he entitled to cancel this order nor shall have any claim for damages against the contractor in respect of such non-performance or delay in performance and delivery shall be resumed as soon and practicable after such events have come to an end or ceased to exist. Provided further that if the performance in whole or part or any obligation under this order is prevented or delayed by reasons of any such event for a period exceeding 180 days, the purchaser and the contractor shall meet to find a natural agreement to any effect resulting the reform or the purchaser may at his option cancel order provided also that if the order is cancelled the order provided also that if the order is cancelled under this clause, the purchaser shall be at liberty to take over from the contractor at order prices all unused, un-damaged and acceptable material bought out components and stores in course of manufacture in the possession of the supplier at the time of such cancellation or such portion thereof as the purchaser may deem fit accepting such material, bought out components and stores as the supplier may with the concurrence of the purchaser elect to retain.

**16. TECHNICAL MANUALS & DRAWINGS**

Contractor shall furnish six copies of comprehensive technical manuals for use by the operation staff. Such manuals shall contain instructions from the preventive as well as routine maintenance of the plant. The contractor shall also furnish copies of approved wiring diagrams, schematics, etc., for various items equipment.

**17. CANCELLATION:**

The purchaser reserves the right to cancel the order in the event of non-performance or unsatisfactory performance by the contractor and recover payment already made if any, along with losses/damages incurred.

**(M.SUJATHA)**  
**Assistant Engineer**  
**for ADG(E) (SZ)**