

No.7/WT/2016-17(II) -
Subsidiary Intelligence Bureau,
(M H A), Govt. of India
Agartala.

Dated : 09.09.2016

Tender Document

To

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Sir/Madam,

Sealed tenders are invited by the office of Joint Deputy Director, Subsidiary Intelligence Bureau (MHA), Agartala, Tripura on behalf of the President of India, from reputed manufacturers, authorized dealers, agents, suppliers for the supply and delivery of the equipment/stores as per details given bellow.

Sl.No.	Particulars	Qty to be supplied	Remarks
1.	Air conditioner Machine (Split Type, 2 Ton or equivalent)	01(One)	Minimum Energy rating Should be Three star (as per BEE)
2	Air conditioner Machine (Split Type, 1.5 Ton or equivalent)	02 (Two)	Minimum Energy rating Should be Three star(as per BEE)

Specification: As per annexure

Tenders are to be sent by post or delivery by hand so as to reach this office on or before due date.

2. Tenders are to be quoted on letter pad of the firm.

3. The offer is to be enclosed in DOUBLE COVER. The inner cover should be sealed and bear our reference number and the due date. "Quotation for Technical Gadgets/Equipments " should also be clearly written on the inner cover. The outer cover should be addressed to

Joint Deputy Director, Subsidiary Intelligence Bureau, Ministry of Home Affairs, Govt. of India, 35, H.G. Basak Road, Agartala-799001. Please note that quotation received after due date and in unsealed covers will be rejected. **The quotation should reach the office by on or before 1700 hour, 29.09.2016 (Due date).**

4. The item not being quoted should be clearly marked "not quoted".

5. The rate is to be quoted both in figures and words and shall be inclusive of all incidental charges including delivery and installation charges (transit insurance charges not permissible). In case the quoted rates are exclusive of the taxes and duties to be charged at actual, it shall be indicated clearly in the tender itself. The offered rates should remain valid for minimum 90 days

from the last date for receipt of tenders. The quantity can be varied to match the requirement of the Department. The Custom duty, if applicable, is to be indicated separately.

6. The firm will mention its LST/CST Registration number and TIN number in the quotation.

7. The stores have to be supplied and installed within 30 days from the date of issue of the supply order. If the supplier during the course of execution of the contract at any stage anticipates a delay in supply beyond the agreed delivery schedule, he would promptly notify the purchaser, who may admit (on reasonable ground) for granting an extension to the delivery schedule by issue of an amendment to the contract. Liquidated damages may be imposed for defaults/inordinate delays on the part of supplier.

8. Payment of the stores supplied will be made ONLY ON BILL BASIS after the stores have been received in full and in good condition and installed as per the approved specifications. No cash payment will be made. Payment will be done within 3 months after receiving of bill. For payment the bank details should be mentioned in the bill failing which mandate form along with a cancelled cheque is to be submitted to the office.

9. Warranty/guarantee conditions and after sales service facilities should be clearly specified. The supplier has to furnish a written assurance that they have an after sales service providing centre stationed at Agartala.

10. Tenders containing any overwriting/alteration will be summarily rejected unless countersigned by authorised signatory.

11. Subsequent variation of price (after supply order is placed) will not be acceptable.

12. All the equipments are to be derived and installed in the premises office address as mentioned above.

13. Right to accept any offer or reject the lowest or any other offer or all without assigning any reasons whatsoever is reserved. In case of any dispute the decision of this office will be final and binding.

DCIO/Tech

ANNEXURE

General Technical Requirements:

1. Air conditioners suitable for 230V, 50 Hz single phase AC supply shall be capable of performing the functions as cooling, dehumidifying, air circulating and filtering. The air conditioners shall be complete with automatic temperature control and cut-in and cutout etc. for temperature range 16 to 30 degreeC. The differential of the thermostat for cut-in and cut-out shall not be greater than +/- 1.75 degreeC. The Air conditioners may either be provided with adjustable step less type mechanical thermostat or electronic thermostat as per IS: 11338:1985. The ECO friendly air conditioners shall have ECO MARK from Bureau of Indian Standard
2. Outdoor unit of the air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled type rotary compressor (as applicable) operating on Refrigerant R-22 (or non-CFC refrigerant in case of Eco-friendly Split Air Conditioner) with suitably rated capacitor start electric motor. It shall be equipped with overload protection and shall be mounted on resilient mountings for quiet operation. The reciprocating compressor shall conform to IS: 10617 Part (1)- 1983 (Reaffirmed 2001) incorporating amend No 1 & 2. Rotary compressor shall be of Matsushita/Hitachi/ Toshiba/ Carrier/ Emerson/ LG /Tecumseh make and shall be covered by manufacturers test certificate and TTC to JISS or ASHRAE.
3. The minimum thickness of the base in outdoor unit shall be 1.20 mm & sheet thickness for rest of the body shall be 0.70 mm (Min.) with galvanized coating thickness of 120 g/ sq. m and shall be provided with stiffeners for robust construction and shall have rounded corners. Galvanized sheet shall conform to IS: 277/2003. Steel parts/front panel etc. shall have stove-enamelled finish preceded by thorough cleaning of the surface, phosphating and undercoat of anti-corrosive primer paint. Alternate methods of corrosion protection like plastic powder coating, electrostatic paintings shall also be acceptable in lieu of stove-enamelled finish.
4. The casing of the indoor units shall be made of ABS/HIPS/GS and shall be impact resistant. The control box of indoor unit shall withstand flame retardant test to Grade V-0 as per UL-94. For impact resistance the unit duly packed and dropped from a height of 1 m shall show no damage. The filter pads provided shall be washable.
5. Remote cordless control with LCD/LED Display shall be provided with one On/Off timer, selecting fan speed (three speed) and setting up of temperature. Display shall be provided on indoor unit or on handset or on both.
6. Maximum power consumption of the split air conditioners shall be measured at capacity rating test conditions. Overall power factor of the unit shall be at least 0.85 at capacity rating test conditions.
7. Two samples of each type/model of Air conditioners shall be type tested for cooling capacity and EER value by psychometric method to IS and rate contract requirements either at supplier's works or at a place where facilities are made available by them in presence of the Inspecting officer before offering the first lot for inspection. The EER values mentioned in schedule correspond to testing methods adopted in this specification and do not necessarily correlate one to one with the values specified by BEE for 3, 4 & 5 star rating certification as mentioned in the Table 2.1 of the Gazette of India notification No 181(E) dt.12-01-2009, issued by Central Government of India. Standard evaluation of cooling capacity shall be done by connecting indoor and outdoor units with piping of 5 m length with six bends of standard radius. Connecting copper tubing shall have dimensions suitable for the compressors offered with model.

8. Details of add on items of interconnecting cable and pipes beyond 6mtrs. length and power cable beyond 3mtrs if required, on per mtr. basis

- a) Suction line copper pipe of 0.70mm thickness.
- b) Discharge line copper pipe of 0.70mm thickness.
- c) Expanded polyethylene foam insulation tubing for suction line copper pipe.
- d) Drain pipe (15mm diameter rigid PVC pipe).
- e) Power cable 3-core PVC insulated copper wire 2.5sq mm to connect both the units with each other.

9. Servicing: Free servicing shall be provided for 15 months from the date of dispatch or 12 months from the date of installation of air conditioner whichever is earlier. Firm is also required to send service engineer at least 3 times during the warranty period.

10. Installation: The installation charges consignee's site shall include the following work:

- i) Mounting/Fitting indoor and outdoor units at the respective locations.
- ii) Laying refrigerant piping of 6mtrs length and connecting both the units after drilling hole/holes in the wall, if required. The thickness of the copper tubing shall not be less than 0.70mm.
- iii) Insulating the suction pipe with expanded polyethylene foam with 5mm thick tubing.
- iv) Laying 15mm drain pipe 6m length to drain out the condensate water being formed in the indoor unit.
- v) Leak testing of the entire system.
- vi) Charging Refrigerant gas in the unit.
- vii) Suitable electric wiring between indoors and outdoors units up to 6 mtrs length up to switch within 3 m of location of indoor unit. Switches/ Sockets /Plugs are not included in the scope of supply.

Split Air Conditioner fitted with Reciprocating Compressor

Specification :

Split type air conditioners conforming to IS: 1391(Part-2)-1992 with amdts No.1 to 2, fitted with hermetically sealed reciprocating compressor operating on refrigerant R-22 suitable for wall mounting.

Split Air Conditioner fitted with Rotary Compressor

Specification :

Split type air conditioners conforming to IS: 1391(Part-2)-1992 with amdts No.1 to 2 but fitted with rotary compressor suitable for wall mounting.

Installation Charges for Split Air Conditioner

Specification :

The scope of installation shall include installation at consignee's site as per their requirements.