



Bharat Heavy Electricals Ltd.

Corporate Administration
BHEL House, Siri Fort, New Delhi-49

Ref: AA:GAX:10:AC:101

Date: 15.12.2010

Last date of submission of tender – 14:00 Hrs. on 05.01.2011
Due date for opening of tender – 15:00 Hrs. on 05.01.2011

Sub: Tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity Split Air Conditioners

Your most competitive bid is invited in sealed cover for the subject tender. The terms & conditions of the tender are mentioned below:

1.0 TERMS & CONDITIONS OF TENDER

- 1.1 The bill of quantities (BOQ) of items required is mentioned in **Annexure – IV**. Specification of the ACs to be supplied is mentioned in **Annexure – II**.
- 1.2 The Split Air conditioners (ACs) are to be installed at the residence of BHEL Officials/ BHEL Office at different locations spread throughout India.
- 1.3 The material is being procured on outright purchase basis.
- 1.4 **Pre-qualification criteria for the tenderers:**
 - a) Tenderers should be original equipment manufacturers of the ACs offered.
 - b) Tenderers should have service centre/service dealers at the following locations: Delhi NCR, Mumbai, Bangalore, Trichy, Bhopal, Ranipet, Varanasi, Hyderabad, Jhansi, Jagdishpur, Rudrapur, Govindwal, Chennai, Kolkatta, Nagpur and Haridwar.
- 1.5 All materials should be as per applicable Indian standards. Only brand new material/machine should be supplied.
- 1.6 The tenders should be strictly in accordance with the specifications (**Annexure – II**) and terms & conditions, mentioned herein; otherwise they are liable to be rejected.
- 1.7 BHEL reserves the right to increase the item quantities by 15%.
- 1.8 The prices should be quoted in the price bid format **Annexure–I** (enclosed). If the prices are quoted in any other form then the bid is liable to be rejected.

- 1.9 The rate contract will be finalized by BHEL Corporate Office. However, Purchase Orders will be placed by the respective BHEL units indicating the quantity of ACs to be supplied to that unit and the consignee address for the same. Payment will be released by the unit directly to the successful tenderer.
- 1.10 Unit rate to be quoted for items in Part-A (refer Annexure-I) should be inclusive of all taxes and duties. Unit rate to be quoted for items in Part-B & C (refer Annexure-I) should be inclusive of all taxes and duties, except Service Tax. Service Tax shall be payable extra at applicable rate for these items. The unit rate should be quoted on FOR consignee address basis and should be inclusive of the charges for packing & forwarding, freight & insurance, loading & unloading.
- 1.11 The rate contract will be entered into for a period of one year. The unit rate of items in Part-A & B shall remain firm during the contract period and no escalation shall be permissible on any ground.
- 1.12 The unit rate of item in Part-C (AMC) shall remain firm for a period of 4 years starting from date of expiry of warranty period no escalation shall be permissible.
- 1.13 **Evaluation Price:** The tenderer, quoting the lowest 'Total Package Price' (excluding service tax), shall be L1. Normally, contract shall be awarded to the L1 tenderer at lowest price (Refer Price Bid Format **Annexure-I**).
- 1.14 Each tenderer shall have to deposit EMD of Rs.2,00,000.00 (Two Lakhs only) for this tender and the same will be in the form of Pay Order or Demand Draft only, in favour of BHEL, payable at New Delhi. EMD submitted by way of cheque will not be accepted & tender(s) submitted without EMD will be rejected. EMD submitted by tenderer will be forfeited if tenderer revokes his tender or increases his prices. EMD of all tenderers will be returned within fifteen days from date of acceptance of order by the successful tenderer.
- 1.15 The successful tenderer should submit security deposit cum performance bank guarantee from any scheduled bank as per the prescribed format within 15 days from the date of award of rate contract; otherwise the contract may be cancelled.
- The amount of the bank guarantee should be equivalent to 10% of Sub-total amount of items in Part-A, Annexure-I (i.e. AC, Automatic Voltage Stabilizer & stand) and it should be valid for a period of five years.
- 1.16 Supply of the ACs should be completed in all respects within four weeks from date of issue of Purchase Order by BHEL units. Otherwise, penalty charges shall be imposed for delayed delivery @ half percent per week or part thereof and subject to a maximum of 10%.
- 1.17 "Acceptance Testing" will be undertaken by BHEL on completion of installation. The AC will be deemed to have been commissioned after successful acceptance testing.
- 1.18 90% payment for items in Part-A (i.e., item nos. 1, 2 & 3) will be made within 15 days from the date of receipt of material in good condition. Balance 10% payment for Part-A items will be made within 15 days from the date of commissioning.

- 1.19 90% payment for items in Part-B (i.e., item nos. 4, 5, 6 & 7) will be made within 15 days from the date of installation. Balance 10% payment for Part-B items will be made within 15 days from the date of commissioning.
- 1.20 After expiry of warranty period, payment for Part-C (i.e., item no.8) will be made quarterly in arrears.
- 1.21 No advance payment shall be made by BHEL.
- 1.22 The rate to be quoted for item No.1 (Part-A) should be inclusive of charges for supply of 4 meters each of insulated copper pipe, PVC drain pipe and electrical wire. Payment for supply & laying of these items over and above four running meters, shall be made (if required) at the unit rate quoted for these items. (i.e., item nos. 4, 5 & 6, Part-B).
- 1.23 The installation charges to be quoted against item no.7 (Part-B, Annexure-I) should include following works:
- a) Fitting of indoor units on the brick wall.
 - b) Mounting of outdoor units on the stand.
 - c) Laying of refrigerant piping of upto 4 mtrs. length and connecting both the units, including chiseling/drilling of brick wall, (The work of repairing/filling of brick wall, painting, etc for restoration of original finish shall be in BHEL's scope).
 - d) Insulating the suction pipe with expanded polyethylene foam tubing.
 - e) Laying of PVC drain pipe of upto 4 mtrs. length to drain out the condensate water from indoor unit.
 - f) Leak testing of the entire system.
 - g) Charging of Refrigerant gas in the unit.
 - h) Suitable electric wiring between indoors and outdoors units of upto 4 mtrs. length and also from power point to indoor/outdoor unit of upto 3 mtrs length. (Providing Power point with DP MCB shall be in BHEL's scope).
- 1.24 During the contract period, as and when ACs are required to be shifted, then the successful tenderer shall have to remove and dismantle the AC (at no extra cost) from old location and re-install the same at the new location, for which the charges quoted against item no.7 (Part-B, Annexure-I) shall be payable. Transportation of the AC from old location to the new location shall be in BHEL's Scope. Payment for extra insulated copper pipe, PVC Drain pipe & Electrical wire, if consumed in these cases, will be made at the rate quoted for these items. Refrigerant gas, if required in such cases, will be provided by BHEL.
- 1.25 The successful tenderer should insure the material at his own cost and any loss or damage to the material, during handling, transportation; storage, etc up till commissioning shall be to the account of the successful tenderer.
- 1.26 The AC and automatic voltage stabilizer shall remain under on site warranty for a period of one year from the date of commissioning. Warranty period for compressor shall be minimum 5 years.
- 1.27 After the expiry of warranty period, the successful tenderer shall have to maintain the supplied machine under a comprehensive maintenance contract. This contract

for the first four years after expiry of warranty period shall be awarded to the successful tenderer at the rate quoted in the price bid. During this period, no amount shall be paid on account of any maintenance, spare parts, gas charging, etc. The terms and conditions of AMC are specified in **Annexure- V**.

- 1.28 After the retirement of the employee, the AMC contract for the machine installed at his/her residence shall be short closed after completion of running quarter. In case the employee wishes to continue the AMC, the successful tender shall have to provide the services at the contract rate and terms and recover the payment directly from him/her.
- 1.29 BHEL reserves the right to accept or reject any of the bid / all bids with or without deviation or cancel / withdraw the invitation for bid without assigning any reason whatsoever and in such case no tenderer shall have any claim arising out of such action by BHEL.

2.0 PROCEDURE FOR SUBMISSION OF SEALED TENDERS

2.1 The offer is to be submitted as required in two parts. **First sealed envelope** should prominently be super-scribed as "Part-1 Techno-commercial Bid of tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity Split Air Conditioners, due on ____". Envelope of Part-1 "Techno-commercial Bid" should contain following documents:

- a) Un-priced price bid i.e., price bid format (**Annexure – I**) with "Q" written in place of prices
- b) Specifications cum Technical compliance statement as per **Annexure-II**
- c) Compliance statement for Terms & Conditions as per **Annexure-III**
- d) Declaration as per **Annexure VI**
- e) Acceptance / Deviation Certificate as per **Annexure VII**.
- f) Technical brochures of ACs and automatic voltage stabilizer offered.
- g) Names and addresses of the service centers/ service dealers situated at the locations mentioned in Para 1.4 above
- h) Covering letter giving index interlinking all the documents with all pages signed & stamped.

Second sealed envelop should prominently be super-scribed as "Part-2 Price Bid of tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity Split Air Conditioners, due on ____". Envelope of Part-2 "Price Bid" should contain prices duly quoted in the Price bid format (**Annexure-I**) only. The price bid should not contain any terms & conditions. All terms & conditions should be mentioned only in Part-1 "Techno-commercial Bid". Terms & conditions mentioned in the price bid shall be ignored.

The **third envelope** shall contain required amount of EMD and should be superscribed as "EMD for tender for Supply, Installation, Testing & commissioning of 1068 Nos. of 1.5TR Capacity Split Air Conditioners, due on ____". These three envelops should be put together in sealed cover and should be superscribed as "Tender for Supply, Installation & Commissioning and award of AMC for 1068 Nos. of 1.5TR Capacity Split Air Conditioners, due on ____".

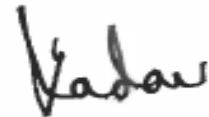
- 2.2 Techno – commercial bid of tender shall be opened on the due date and time as mentioned above in the presence of tenderers or their authorized representatives who may like to be present.
- 2.3 Techno – commercial bids will be evaluated first. The price bid of only those tenderers, who qualify the evaluation of techno - commercial bids, shall be opened. Date of opening of Price Bid will be intimated separately to the Tenderers who qualify in the Techno - commercial bid evaluation. **BHEL, however, reserves the right to opt for reverse auction (online bidding) instead of opening of sealed price bids, for determining the lowest tenderer. The reverse auction will be undertaken as per BHEL guidelines which will be sent to the techno-commercially qualified tenderers before the event.**
- 2.4 The tenderers are required to quote for all the items & no column should be left blank. Tenders for part supply or incomplete in any respect, are liable to be rejected.

The tender(s) should reach the under mentioned on or before the due date mentioned above. BHEL will not be responsible for delay in receipt of tender(s), sent by post / courier. In case you have any queries regarding the above tender then the same should be sent via email to the undersigned within one week from the date of advertisement of NIT.

Rajan Yadav
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For & on behalf of
Bharat Heavy Electricals Ltd.



(Rajan Yadav)
Manager (HR-GAX)

Enclosures: As above

Price bid format for the Tender for SITC of 1.5TR Capacity Split Air Conditioners

| S.No. | Item | Qty (A) | Unit | Unit Rate (Rs.) (B) | Amount (Rs.) {C=A X B} |
|-----------------|--|------------|------|------------------------|---------------------------|
| PART – A | | | | | |
| 1. | Supply of 1.5 TR capacity high wall mountable Split ACs as per specifications mentioned in Annexure-II | Delhi | 149 | Nos. | |
| | | Gurgaon | 2 | Nos. | |
| | | Mumbai | 2 | Nos. | |
| | | Bangalore | 22 | Nos. | |
| | | Noida | 134 | Nos. | |
| | | Trichy | 90 | Nos. | |
| | | Bhopal | 150 | Nos. | |
| | | Ranipet | 30 | Nos. | |
| | | Varanasi | 3 | Nos. | |
| | | Hyderabad | 140 | Nos. | |

| | | | | | | |
|---------------------------------|--|------------|------|------|--|--|
| | | Jhansi | 16 | Nos. | | |
| | | Bangalore | 56 | Nos. | | |
| | | Jagdishpur | 3 | Nos. | | |
| | | Govindwal | 1 | Nos. | | |
| | | Haridwar | 167 | Nos. | | |
| | | Chennai | 14 | Nos. | | |
| | | Kolkatta | 30 | Nos. | | |
| | | Chennai | 24 | Nos. | | |
| | | Nagpur | 35 | Nos. | | |
| 2. | Supply of 4 KVA III step wall mountable automatic voltage stabilizer | | 1068 | Nos. | | |
| 3. | Supply of MS powder coated stand for wall/floor mounting of outdoor unit | | 1068 | Nos. | | |
| Sub-Total (Part-A) = Rs. | | | | | | |

| PART – B | | | | | | |
|--|--|-----------------------|------|------|--|--|
| 4. | Supply and laying of | Insulated copper pipe | 2136 | RMT | | |
| 5. | | PVC Drain pipe | 2136 | RMT | | |
| 6. | | Electrical wire | 2136 | RMT | | |
| 7. | Installation of above AC | | 1068 | Jobs | | |
| Sub-Total (Part-B) = Rs. | | | | | | |
| PART - C | | | | | | |
| 8. | Comprehensive maintenance charges as per tender terms & conditions | | 1068 | Nos. | | |
| Total Package Price (= Part-A + Part-B + Part-C) = Rs. | | | | | | |

Note:-

1. The unit rate to be quoted for item No.8 should be the maintenance charges per AC, for maintaining it for a period of 4 years {i.e. Maintenance charges per AC per annum x 4 (years)}
2. Unit rate to be quoted for items in Part-A should be inclusive of all taxes and duties.
3. Unit rate to be quoted for items in Part-B & C should be inclusive of all taxes and duties, except Service Tax. Service Tax shall be payable extra at applicable rate, for these items.

Annexure – II

Tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity Split Air Conditioners

Specifications cum Technical Compliance Statement

| Specifications | | | Complied (Yes/No) | Deviations (if any) |
|---------------------------------|--|---------------|----------------------|------------------------|
| Rated Cooling Capacity | BTU/Hr | Minimum 18000 | | |
| BEE Rating | 5 Star | | | |
| EER | Rated Cooling Capacity in Watts / Input power in Watts | Minimum 3.2 | | |
| Compressor | Type | Rotary | | |
| Maximum Air Flow of Indoor Unit | CFM | 550 or more | | |
| Sound Level of Indoor Unit | dB | Maximum 45 | | |
| Remote | Type | Wireless | | |

Tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity
Split Air Conditioners

Compliance Statement for Terms and Conditions

| Para No. | Complied (Yes/No) | Deviations (if any) |
|-----------------|--------------------------|----------------------------|
| 1.1 | | |
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Tender for Supply, Installation, Testing & Commissioning of 1.5TR Capacity Split Air Conditioners**Bill Of Quantities**

| S.No. | Item | | Qty | Unit |
|-------|--|-----------------------|------|------|
| 1. | Supply of 1.5 TR capacity high wall mountable Split ACs as per specifications mentioned in Annexure-II | | 1068 | Nos. |
| 2. | Supply of 4 KVA III step wall mountable automatic voltage stabilizer | | 1068 | Nos. |
| 3. | Supply of MS powder coated stand for wall/floor mounting of outdoor unit | | 1068 | Nos. |
| 4. | Supply and laying of | Insulated copper pipe | 2136 | RMT |
| 5. | | PVC Drain pipe | 2136 | RMT |
| 6. | | Electrical wire | 2136 | RMT |
| 7. | Installation of above AC | | 1068 | Jobs |
| 8. | Comprehensive maintenance charges as per tender terms & conditions | | 1068 | Nos. |

Tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity Split Air Conditioners

Terms and Conditions of AMC

Preventive maintenance:

1. The first wet service of the AC should be completed before 31st March every year. The second wet service should be completed before 30th June every year. The wet service shall include, checking of electrical connections, checking of stabilizer, washing of cooling coils and condenser coils, oiling of motor, checking the compressor and measuring the grill temperature.

Breakdown maintenance:

2. The remedial or breakdown maintenance shall have to be undertaken as and when complaint is lodged over telephone. All complaints should be attended within 48 hours from the time of their lodgment. Standby machine shall have to be provided if the faulty machine is to be taken to workshop for repairs.
3. Spare parts required for maintenance such as selector switch, thermostat, starting and running capacitor, starting relay, wiring, power cable, jute air filter, blower fan, condenser fan, flapper motor, contractor (3 phase), relay (3 phase) and fan capacitor should be provided at no extra cost.
4. Automatic Stabilizer, remote and remote sensor shall have to be repaired and required spares supplied at no extra cost.
5. Repair of electrical wiring up to power point shall be undertaken at no extra cost.
6. Plastic parts such as Grill and filter if required shall be provided by BHEL.

**Tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity
Split Air Conditioners**

Declaration

We hereby declare that we have not been banned or de-listed by any PSU / Government Department / Financial Institution / Court.

Authorized signatory
(With seal)

Tender for Supply, Installation, Testing & Commissioning of 1068 Nos. of 1.5TR Capacity
Split Air Conditioners

Acceptance / Deviation Certificate

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of this tender. We hereby undertake and confirm that we have understood the terms and conditions and specifications as mentioned in this tender enquiry.

Authorized signatory
(With seal)