

**NOTICE INVITING TENDERS
FOR**

**Supply, Installation, testing and commissioning of 3.00 / 3.50 Tr split Air
Conditioning Units at Pushpa Gujral Science City (PGSC), Kapurthala.**

Pushpa Gujral Science City (PGSC) is a joint venture of Govt. of India and State of Punjab. The Science City has been set up to promote the awareness for Science and Technology through interactive and non-formal way. It is proposed to Air Condition various buildings / structures which are under construction / nearing completion at PGSC Kapurthala (Punjab).

PGSC invites tenders in two parts, to get the work of supply, installation, testing and commissioning of 3.00 Tr / 3.50 Tr (Aggregate Mean Capacity 77 Tr) split AC Units with non-ductable Floor Standing Indoor Units, to be executed on **turnkey basis**, directly from the reputed / established (Principal) **Firms which manufacture / market, the same or through their dealers, who may be duly authorized to quote for this particular tender.** The firm or its dealer authorized to quote for this tender **must** have proper and regular "After Sales Service" outlet in Punjab / Chandigarh. No TA/DA/Out of Pocket Allowance shall be claimed for attending the complaints at PGSC, Kapurthala. The brief description / specifications are described in Schedule of Items attached herewith as Annexure IV.

Estimated Cost	:	Rs. 18.00 Lacs
Time of Completion	:	Three (03) months including the mobilization period.
Validity	:	The rates offered in the Tender Bid shall remain valid for 120 days from the date of opening of the Tenders.
Fixed amount of Earnest Money	:	Rs. 36,000/- (Rs. Thirty Six Thousand only) payable by Demand Draft drawn on any scheduled Bank at Kapurthala (Punjab) favouring Pushpa Gujral Science City.
Cost of Tender Document	:	The Tender Documents can be purchased from the address given below by depositing Rs. 500/- in cash or through Demand Draft favouring Pushpa Gujral Science City, payable at any Scheduled Bank at Kapurthala (Punjab). The sale of tender shall commence on 15.12.2010 and shall be stopped on 30.12.2010, 4.00 PM.

OR

Tender Document can be downloaded from PGSC's website : www.pgsciencecity.org. The Tenderer shall have to deposit Rs. 500/- in any of the modes described above, at the address noted below and enclose the receipt of the same with the Part I of the Tender Bid.

The tender shall be submitted in two parts (viz Part I: Technical Bid & Part II: Price Bid) as detailed below: -

- (a) The first part (Technical Bid) shall consist of the following:
- (i) Demand Draft in lieu of fixed earnest money
 - (ii) Demand Draft for Rs. 500/- or cash deposit receipt, in case the Tender Documents is downloaded from the website.
 - (iii) Notice Inviting Tender, Instructions to the Tenderers (Annexure I), conditions of the contract (Annexure II), Authorization by Principal Firm (Annexure III) – in case the authorised dealer is bidding, Schedule of Items as per Annexure IV. Each and every page to be signed and stamped by the Tendering Firm.

All the above documents are to be placed in a sealed envelope and marked as **PART I**

- (b) The Part II shall consist of the “Price Bid” (Annexure V) to be placed in a separate sealed Envelope and marked as **Part II: Commercial Bid.**
- (c) Both the first part and second part shall be placed inside a third envelope and marked as “Tender for Air-conditioning” at PGSC Kapurthala.

Tender papers as above, complete in all respects and addressed to the Administrative Officer at the below noted address are to be submitted so as to reach by **2.30 PM** on **07.01.2011**. Envelope containing part 1 shall be opened at 3:00 PM on the same day in the presence of the authorized representative of the tenderers who may like to be present. The time for opening of the price bid shall be declared after the Scrutiny of Part 1.

For any clarification the prospective tenderers can contact this office

(Trilochan Singh Giani)
Administrative Officer
Pushpa Gujral Science City,
SCO No. 60-61, 3rd Floor,
Sector 34 A , Chandigarh
Tel. Nos. 0172-5077072-73

INSTRUCTIONS TO TENDERS

General Information

Pushpa Gujral Science City (PGSC), a joint venture of Govt. of India & Govt. of Punjab is located on Jalandhar-Kapurthala highway near Wadala Khurd Railway crossing. PGSC is planning to Air condition some of its new buildings.

2.00 Scope of Work

The total capacity of all the AC Units under the scope of this Tender, is estimated to be 77 Tr, which may be increased / decreased by PGSC upto (+/-) Ten per cent

The AC Units shall be complete in all respects comprising, mainly items such as given below:

1 **Split Unit Airconditioners**

1.1 **Floor Standing (Tower) Split Unit**

Supply of 3.00 and / or 3.50 TR non ductable Floor standing tower type split airconditioners with evaporator with coil, fan with motor, filter with filtration equivalent to 0.5 microns, aircooled condenser with hermatially sealed scroll type compressor, condenser coil, propeller.

1.2 Installation, Planning, Supervision, Testing & Commissioning of Floor Standing Tower AC of 3.0 0 / 3.50 Tr. Capacity

2 Drain Piping

32 mm dia Rigid P.V.C. drain piping including insulation of Kinni foam connections with units with U-trap, nipple clamps etc.

Makes: D Plast, Polypack, Prince

3

Refrigerant Piping

3.1 Interconnecting refrigerant copper pipe duly insulated with (0.9 mm thick) closed cell elastomeric nitrile rubber tubular, between each set of indoor & outdoor units as per specifications.

Make :- Totaline, Nainia, Mander

3.1.1 Refrigerant Copper Pipe of 3/8 inch dia
20SWG thick

3.1.2 Refrigerant Copper Pipe of 5/8 inch dia
20SWG thick

4 Control / Power Cabling
Providing & fixing control cum transmission wiring / Power / Control Cabling of copper in suitable conduits between indoor and out door unit & indoor unit & its remote controller
Make :- Poly cab, Havells, R.R. Kabel

4.1.1 PVC insulated, Copper Cable
5 core x 4.0 Sq. mm

4.1.2 PVC insulated, Copper Cable
4 core x 1.0 Sq mm

5 M.S. frame or floor mounted M.S. Stand of angle iron, duly painted for mounting condensing unit and company fitted stand for indoor unit, as per site requirements.

The above description of items is not intended to completely specify all details of designs and installation, **and tender being on Turn Key basis, the price quoted shall include all such additional item(s)**, which are not specifically mentioned above but are otherwise required to complete the job(s) in all respects i.e. technically & aesthetically.

2.03 Person or Firms tendering are strongly advised to visit and inspect the site and thoroughly acquaint himself with the conditions, availability of space and other factors relating to the construction, taking measurements for assessing the Schedule of Items & bill of quantities as may be required actually at site and shall allow in his tender for any special difficulty which may not be mentioned in the specifications. **No extras in any circumstances will be entertained by the PGSC in this respect.** The tenderer is to allow in his bid for transport, erection, maintenance, running expenses including fuel or power and ultimate removal of the plant and equipment and storage for materials removal of

rubbish, freight and other charges and also shall allow for in their tenders for any special difficulties if any.

2.04 The Executive Engineer, PGSC (Tel. No. 01822-501963, 64, 65 & Mobile No. 98155-49669) is the "Engineer-in-Charge" and he is the contact person who may be contacted for fixing the project site visit and getting the information at site relating to this tender.

3.00 Bid Price: The Bid Price is to be quoted per Tr capacity of the AC system for each rating (3.00 Tr and 3.50 Tr) of the unit, clearly mentioning the " Makes / Brand of AC units being offered".

Conditions of the Contract

S. No.	CLAUSE Title	Description
1.	Aggregate Capacity of the Total Units	: The estimated mean aggregate capacity of all the AC Split Units covered under the scope of this tender is 77 Tr which can be increased or decreased at the discretion of PGSC as specified under the Clause 2 viz. “variation in Quantities”.
2.	Variation in Quantities	: (+/-) 10.00 (Ten) percent in case of AC split units / aggregate Tr
3.	Make / Brand and Tr Rating(s) of each unit	: The bidder must specify clearly and without any ambiguity in the form for “Schedule of Items” (Annexure IV) in Part I (Technical Bid)
4.	Rate per Tr	: The bidder shall quote the rate per Tr in the Commercial Bid (Annexure V) inclusive of all items and complete in all respects including any additional items if required to complete the job irrespective of whether these are mentioned or not in the Schedule of Items. .
5.	Time of Completion	: Three Calendar months commencing from the date of commencement specified in the letter of intent, awarding the contract.
6.	Validity	: The rates offered in the Tender Bid shall remain valid for 120 days from the date of opening of the Tenders.
7.	Earnest Money	: Rs. 36,000/- (Rs. Thirty Six Thousand only) payable by Demand Draft drawn on any scheduled Bank at Kapurthala (Punjab) favouring Pushpa Gujral Science City.
8.	Prices	: The quoted rates and prices shall remain firm through out the contractual period including the extensions in time of Completion granted by PGSC, if any. The quoted prices shall be inclusive of all taxes, Govt. levies, Packing, loading / Unloading, freight, forwarding, Insurance (during transit and installation testing and commissioning till it is handed over to PGSC),. The tender being on “Turnkey Basis”, the quoted price shall include the cost of any item(s) which are not specifically indicated in the schedule of Items / Price Bid but otherwise are required to complete the job in totality and in all respect.

9. Payment Schedule : (i) 75% (Seventy Five Percent) of the contract value shall be released on delivery of the items given in the Schedule of Quantities (Price Bid), **as a secured advance.**
- (ii) Further 20% (Twenty Percent) of the contract value of these items, shall become payable on the successful testing, commissioning and handing over the A.C. Split Units.
- (iii) Balance 5% (Five Percent) of the Contract Value shall be released thirty days after the expiry of the Defect Liability period and / or warranty period. **This amount can also be released after successful testing, commissioning and handing over of the A.C. System provided the Contractor furnishes the Bank Guarantee.**
10. Warranty : Two years (24 Calendar Months) from the date of commissioning and handing over.
11. Defect Liability Period : Any defects which may appear within 24 (Twenty Four) months from the date of commissioning and handing over the AC Split Units and / or the installation covered in the Contract, arising in the opinion of Engineer-in-Charge from AC Units, materials and / or workmanship not in accordance with the Contract, shall upon the directions in writing of the Engineer-in-Charge and within such reasonable time as shall be specified therein, be amended and made good by the Contractor at his own cost. In case of default, the PGSC may employ and pay other persons, to amend and make good such defects / faults at Contractor's cost.
12. Free Maintenance Period : The Contractor shall maintain and keep in thorough repair all the parts of the total work under this contract satisfactorily at his own cost, the whole work through out the defect liability period. If the Contractor shall at any time during the aforesaid period fails to maintain and keep in thorough repairs the said work, PGSC may do so at the risk, expense and cost of the contractor.
13. Compensation for delay : The time allowed for carrying out the work and completion of the work as entered in the Tender shall be strictly observed by the Contractor (time being the deemed essence of the Contract on the part of the contractor). The contractor shall pay as liquidated damages (not by way of penalty) an

amount equal to one (01) percent or such smaller amount as the Engineer Incharge may decide on the value of accepted tender for every week or part of a week that the work remains uncommenced or unfinished after the expiry of completion date or part of week subject to maximum Five (05) percent of Contract value.

- 14 Disputes : All disputes arising out of or in any way connected with this contract shall be deemed to have arisen in Kapurthala and only the Court in Kapurthala shall have the jurisdiction to determine the same.
- 15 Settlement of Dispute by Arbitration : If required, as per the provisions of the Indian Reconciliation and Arbitration Act 1996 or any statutory modification thereof, the dispute shall be referred to the sole Arbitration of the person appointed by the Chairman of the Governing Body of Pushpa Gujral Science City Society.
- 16 General Conditions : i) The contractor shall specify the make, model and other technical detail of each of the item in particular the AC split units, being offered, in the letter submitting his Tender Bid. The leaflet / technical literature offering various parameters / features must be attached to the covering letter of the Tender Bid.
- ii) The contractor shall supply the technical literature, maintenance schedule and operation manual of the equipment for the record and reference of PGSC. This should be ensured to comply with the delivery of the equipment or with the submission of the invoice.
- iii) The proposed layout of the copper pipes and location of each of outdoor units are required to be approved from PGSC before starting the actual installation.
- iv) The ascertainment of prices for any "Extra" item/work not covered under the tender but specifically desired to be executed by PGSC shall be worked out as per rules/practice of PGSC.
- v) The Executive Engineer or any other duly authorized Officer of PGSC shall be the "Engineer Incharge".
- vi) PGSC may place the order at its discretion, for total quantity on any one tenderer or may divide the quantity and place order on more than one tenderer.

Authoration by Principal Firm

M/s _____, are hereby authorized to bid for the work of supply of our make / brand of split AC with non-ductable floor standing indoor units complete in all respect, its installation, testing, commissioning and its after sales service.

Stamp & Signatures
of the Principal Firm

SCHUDLE OF ITEMS & Descriptions

S. No.	Description	Unit	Qty.
1	<u>Split Unit Airconditioners</u>		
1.1	<u>Floor Standing (Tower) Split Unit</u> Supply of non ductable Floor standing tower type split airconditioner units with evaporator with coil, fan with motor, filter with filtration equivalent to 0.5 microns, aircooled condenser with hermatially sealed scroll type compressor, condenser coil, propeller fans controls, interconnecting refrigerant piping, wiring, earthing, cordless remote control. Indoor unit to be supplied with company fitted indoor stand, of following ratings :		
	Mention below Make / Brand of the unit being offered		
	1. 3.00 Tr	Tr	77 (+/-) 10%
	AND / OR		
	2. 3.50 Tr.		
1.2	Installation, Planning, Supervision, Testing & Commissioning of Floor Standing Tower AC of 3.0 0 / 3.50 Tr. Capacity	Nos.	As per site requirements
2	Drain Piping 32 mm dia Rigid P.V.C. drain piping including insulation of Kinni foam connections with units with U-trap, nipple clamps etc. Makes: D Plast, Polypack, Prince	Rmt	As per site requirements
3	<u>Refrigerant Piping</u>		
3.1	Interconnecting refrigerant copper pipe work with (0.9 mm thick) closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specifications. Make :- Totaline, Nainia, Mander		

3.1.1	Refrigerant Copper Pipe of 3/8 inch dia 20SWG thick	RMT	As per site requirements
3.1.2	Refrigerant Copper Pipe of 5/8 inch dia 20SWG thick	RMT	As per site requirements
4	Control / Power Cabling Providing & fixing control cum transmission wiring / Power / Control Cabling of copper in suitable conduits between indoor and out door unit & indoor unit & its remote controller Make :- Poly cab, Havells, R.R. Kabel		
4.1.1	PVC insulated, Copper Cable 5 core x 4.0 Sq. mm	Rmt	As per site requirements
4.1.2	PVC insulated, Copper Cable 4 core x 1.0 Sq mm	Rmt	As per site requirements
5	M.S. frame or floor mounted M.S. Stand of angle iron, duly painted for mounting condensing unit as per site requirements.	Nos.	As per site requirements
6.	Any other item not mentioned specifically but required to complete the job(s) in all respects,		As required

(Signature with Stamp of the Tendering Firm)

Tender for Supply, Installation, testing and commissioning of 3.00 Tr and / or 3.50 Tr total 77 Tr (+/- 10%) split Air Conditioning Units at Pushpa Gujral Science City (PGSC), Kapurthala : Part II

**COMMERCIAL BID
(PRICE SCHEDULE)**

S. No. Description

1 Split Unit Airconditioners

1.1 Floor Standing (Tower) Split Unit

Supply of non ductable Floor standing tower type split airconditioner units with evaporator with coil, fan with motor, filter with filtration equivalent to 0.5 microns, aircooled condenser with hermatially sealed scroll type compressor, condenser coil, propeller fans controls, interconnecting refrigerant piping, wiring, earthing, cordless remote control. Indoor unit to be supplied with company fitted indoor stand, of following ratings :

**Mention below Make / Brand
of the unit being offered**

1. 3.00 Tr

AND / OR

2. 3.50 Tr.

1.2 Installation, Planning, Supervision, Testing & Commissioning of Floor Standing Tower AC of 3.0 0 / 3.50 Tr. Capacity

2 Drain Piping

32 mm dia Rigid P.V.C. drain piping including insulation of Kinni foam connections with units with U-trap, nipple clamps etc.

Makes: D Plast, Polypack, Prince

3 Refrigerant Piping

3.1 Interconnecting refrigerant copper pipe work with (0.9 mm thick) closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specifications.

Make :- Totaline, Nainia, Mander

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4 **Control / Power Cabling**

Providing & fixing control cum transmission wiring / Power / Control Cabling of copper in suitable conduits between indoor and out door unit & indoor unit & its remote controller

Make :- Poly cab, Havells, R.R. Kabel

4.1.1 PVC insulated, Copper Cable
5 core x 4.0 Sq. mm

4.1.2 PVC insulated, Copper Cable
4 core x 1.0 Sq mm

5 M.S. frame or floor mounted M.S. Stand of angle iron, duly painted for mounting condensing unit as per site requirements.

6. Any other item not mentioned specifically but required to complete the job(s) in all respects,

7. **Price Bid per Tr including all the above items as may be required at site inclusive of all taxes and levies**

Rs. _____
(in figure)

(in words)

(Signature with Stamp of the Tendering Firm)