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## **DOEACC CENTRE, SRINAGAR/JAMMU**

An Autonomous Body of Department of Information Technology, Ministry of  
Communications & Information Technology, Govt. of India

**SIDCO Electronics Complex, Old Airport Road, Rangreth**

Phone Nos. 0194-2300501, 2300502, 2300805, 2300949 Fax No: 0194-2300501

# **TENDER DOCUMENT**

## **PROVIDING OF CENTRAL HEATING SYSTEM FOR FOUR ROOMS IN ADMINISTRATIVE BLOCK OF DOEACC CENTRE SRINAGAR**

**COMERCIAL BID : DOEACC(S)/----  
--/2010**

**LAST DATE FOR RECEIPT OF TENDER : 26<sup>th</sup> Feb 2010**

**DATE FOR OPENING OF TENDER : 2<sup>nd</sup> March 2010**

**Tender Document Price – Rs.500/-**



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## Details of the Agency

1) Name & Registration of the SSI Unit (attested copies of registration certificate)

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2) Date of establishment of the Unit.

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3) Details of the experience with supporting documents

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4) Latest income tax clearance certificate.

5) Earnest money details:-

a) Name of the Bank

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b) Date of issue of Demand Draft.

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c) Amount of Demand Draft.

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*Signature of the Tenderer*

**Note:**

Please note that non submission of form or submission of incomplete form is liable to make the tender invalid.



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## **PARTICULARS**

<b>S.No.</b>	<b>Details</b>
1.	General Terms & Conditions Of Contract
2.	Basis of Design & Scheme (Annexure-I)
3.	Technical Specifications (Annexure-II)
4.	Exclusions (Annexure-III)
5.	Description of works to be carried out.



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## DOEACC Centre Srinagar/Jammu

### General Conditions of Tender

1. The tenderer is required to quote the rates for each item mentioned in tender specifications sections.
2. Conditional tenders shall be rejected even though the rates quoted are the lowest.
3. The rates quoted by tenderer should be fixed having validity for a period of three months from the date of opening of the tender.
4. The tenderer is required to enclose with the tender an earnest money for an amount of Rs25,000/- in the shape of a call deposit pledged to Director DOEACC Centre Srinagar/Jammu without which the tender shall not be accepted.
5. The Director DOEACC Centre Srinagar / Jammu reserve the right to reject any / all the tenders partly/fully without assigning any reason thereof.
6. The contract shall be time bound (75 days from the date of allotment of works) and no extension in the period of completion of works as mentioned in the tender agreement will be admissible.
7. In case of delay in execution of work as per time schedule mentioned in tender, penalty 0.5% per week or part thereof up to 10% of total cost of the work shall be imposed which will be recovered from contractor from any money which shall become due or which becomes due to him from this center. However, Director DOEACC may waive off the penalty on his discretion and extend the duration of works to be carried out.
8. The bad/defective works or works which are not found to be executed as per the tender specifications shall be rejected.
9. 10% deposit shall be deducted from each running bill and shall be released on the completion and inspection of the works as per the agreement. Final payment shall be made to the contractor after the final measurements, inspection / verification of the works by the inspection committee and taking over of the same.
10. The work shall have to be executed strictly in accordance with the specifications and at site requirements or as directed by the Officer In-charge of DOEACC Centre Srinagar /Jammu, Srinagar.



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11. The items which are not covered in this tender but subsequently found essential during execution of works shall also be undertaken by the contractor, payment for the same shall be released as per latest schedule of rates applicable in the J& K State Govt. Works Deptt. without any appreciation/depreciation thereon . If the said works are not covered in the schedule of rates, same shall be paid on LMR ( lowest market rate) basis to be certified by the Officer in-charge of this Centre with maximum upto 10% contractors profit on approval of the Competent authority.
12. All the taxes as applicable shall be applied / deducted on the gross value of the contract at the rates prevailing at the time of payment.
13. The contractor will abide by all labour laws and will be personally responsible for any casualty / eventuality / accident or any labour dispute during the execution and completion of the work.
14. The quantities advertised in the tender are based on tentative estimates, which can increase or decrease by 20% as per necessity at site.
15. Any item which is not found necessary at site during execution of work can be deleted and no claim whatsoever shall be entertained on the said account.
16. The watch and ward of all materials / machinery shall be responsibility of the contractor /agency.
17. The contractor at his cost shall conduct all necessary repairs of defective works within defect liability period of six months.
18. Defect liability period: - 85 % deposit of the contractor shall be released on the virtual completion, handing over and verification of the work. The remaining 15% deposit & E.M.D shall be released after six months from date of completion of the work on submission of report of the engineer in-charge after obtaining approval by the competent authority.
19. In case any dispute or difference arises between the parties with regard to interpretation or working of the agreement or rights, liabilities or duties arising out of it. The matter shall be referred to a sole arbitrator to be appointed the Director, DOEACC Centre, Srinagar /Jammu and the decision of the arbitrator shall be binding on both the parties.
20. Director DOEACC Centre Srinagar/Jammu reserves the right to reject/stop any work/works during their currency without assigning any reason.

## ANNEXURE-I

### BASIS OF DESIGN & SCHEME

#### 1. Design Conditions :-

- |  |   |   |
|--|---|---|
| Out side temp  | = | -5 <sup>0</sup> C                               |
| Inside Condition   | = | 20±1 <sup>0</sup> C                             |
| Air Charges  | = | 0.5 per hour in room<br>1 per hour in corridors |
| 2. Electric Supply   | = | 20 V ± 10 % 1 phase, 50 cycles                  |
| 3. Electric Load   | = | 0.5 KW  |
| 4. Number of Rooms to be heated<br>by panel radiators.     | = | 4 in Administrative Building.                   |
| 5. Number of bath rooms to be<br>heated by Towel Radiators | = | None  |
| 6. Number of rooms to have floor<br>heating.               | = | None  |
| 7. Hot water provision to be provided                      | = | No  |

## ANNEXURE-II

### • TECHNICAL SPECIFICATIONS

#### 1. Bolder

The box water boiler shall be compact fully automatic oil fired (HSD/Kerosene) complete with oil firing pressures jet burner unit with automatic burner sequence controller & flame failure device. The boiler shall be fitted with water circulation pump, thermostats, electric controls & other accessories. The boiler shall be of Alarko/Maktek make.

#### *Salient Feature:*


- ❖ The combustion chamber is made fire proof steel making it powerful, strong and everlasting.
- ❖ It is fully automatic and electronic that it is enough to push a button and it will work at the temperature you want.
- ❖ It can work between the hours that you will adjust buy the program timer (Optional).
- ❖ By burning the fuel twice, there is maximum energy transfer moreover the body is insulated by a thick fiber glass coating.
- ❖ There is an extra security thermostat other than the adjusting thermostat. The control panel is equipped with the electronic and visual gadgets which provide the system to work with complete security.
- ❖ Due to the special construction and insulation of the boiler the noise level is reduced to minimum.
- ❖ Its compact size makes it convenient to be placed in lesser space.

#### 2. Hot Water Radiator/FCU

The radiators shall be wall mounted complete with wall brackets & fittings. These shall be imported (Alarko-Carrier /Maktek/Baymak) make. The capacity of the radiators shall be measured at mean temperature of 80<sup>0</sup>C.

#### *Salient Feature:*

- ❖ *Radiators are made from special steel and treated making it long lasting and resistant to corrosion.*



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- ❖ *They are available in different sizes to suit your requirement*
- ❖ *The panel radiators will add much value to your rooms with their elegant designs and contemporary lines they will heat your area at your required temperature and serve you with their esthetic view and quality above your expectation.*

### 3. **M.S.Pipes**

*The scope of this section comprises the supply pipes, pipe fitting, and valves for all water/oil piping. All pipes shall be of mild steel ERW heavy C-class as per IS-1239- 79. All joints shall be in welded/ threaded construction and will be of Jindal or make.*

## **ANNEXURE-III**

### **EXCLUSIONS:**

1. *The contract value indicated on the other page includes only the items of work specially mentioned. All your ancillary works explained in brief here under will have to be arranged by you.*
2. *All masonry work such as cutting away and making good of walls and roads for pipes, boiler house if needed boiler foundation etc.*
3. *Supply and installation of main power supply at the boiler of the single phase.*
4. *Protected storage space at site.*
5. *Power and water for erection, testing and commissioning of plant.*

### **DESCRIPTION OF WORKS & PRICE**

S.No	Description	Unit	Quantity	Rate(Ra)	Amount(Rs)
1	Supply Installation, testing & commissioning hot water vertical/horizontal boilers complete with warmer shall fire pass, combustion equipments, control panel, controls & accessories 40000 Kcal/hr capacity at M.S.L	Jobs	1		
2	Providing fixing, erection and commissioning of M.S chimney and flue gas ducts of 150 mm dia complete with 50 mm ARB insulation & 26 SWG Aluminum cladding. Chimney shall be measured as per actual.	RMT	12		
3	Providing fixing horizontal hot water circulation pumps complete with motor base frame etc. Sharp / equivalent	Jobs	1		
4	Providing fixing testing & commissioning of day oil tank complete with <i>mainhole</i> cover gauge glass, necessary connection and structural supports for mounting oil tank, including insulation of LRB covered with sand cement plaster complete, capacity 500 ltrs.	Jobs	1		
5	Providing and fixing of ball, globe & Non return valves -YØstrainers. a) Butterfly Valves, 32 mm dia b) -YØstrainers 32 mm dia c) Non return value 25 mm dia d) Ball valves, 32 mm dia, 25 mm dia , 15mm dia	Jobs Jobs Jobs Jobs	2 1 1 RO		
6	Providing fixing testing & commissioning of pressure operated pump Expansion tank completing with fittings	Jobs	1		
7	Supply installation testing and commissioning of hot water Radiators of				

	<p>following capacities complete with inlet &amp; outlet valves, air purge, valves and flexible high pressure pipes and fittings</p> <p>a) 5500 Kcal/Hr b) 3000 Kcal/Hr c) 7000 Kcal/Hr</p>	<p>Jobs 6 Jobs 1 Jobs 1</p>			
8	<p>Supply, installation, testing &amp; commissioning of M.S. Class <math>\text{A} \text{C}\phi</math> Heavy duty piped and fittings like teas, elbows, bends, junctions, unions, flanges etc. clamps structural supports as required/directed at site including painting the pipes with desired shade of enamel over a coat of primer. The pipes shall be measured as per actual.</p> <p>i) 15mm dia, ii) 20 mm dia iii) 25 mm dia iv) 32 mm dia</p>	<p>RMT 20 RMT 31 RMT 31 RMT 20</p>			
9	<p>Supply installation, testing of glass wool/insulation and two layers of polythene and chicken-mesh over the piping of following dia. The pipes shall be measured as per actual.</p> <p>i) 15 mm dia ii) 20 mm dia iii) 25 mm dia iv) 25 mm dia (Puff)</p>	<p>RMT RO RMT RO RMT RO RMT RO</p>			

Total Amount-----

Seal & Signature of Unit holder.