

Ref No. PGSC/\_\_\_\_\_

Date \_\_\_\_\_

**List of 4 firms attached**

**Subject: Notice inviting Sealed Quotations for the Annual Maintenance Contract (labour) of Chiller Machine (Daikin-make 170TR) installed in HVAC plant at PGSC, Kapurthala.**

Sealed quotations are invited from authorized vendors/firms for the subject cited work so as to reach the office of "Director, PGSC, Jalandhar-Kapurthala Road, Kapurthala" **on or before 03.07.2024** up to 2.30 PM. The sealed quotations will be opened on the same day at 3.00 PM in the presence of respective firms/ agencies/ contractors who may like to be present at that time.

<b>S. no.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
1.	AMC (Labour) for Daikin make single screw water cooled Chiller machine, Model : PFS1701DARY, R 134a, Voltage 415, 3phase, 50hz, 170 TR.	1no.		
	<b>G.S.T</b>			
	<b>Total</b>			

**SCOPE OF WORK:**

1. To check and render preventive maintenance service to all the equipment of Chiller machine every 3 months i.e. four times in a year during the contract period. Out of these, four visits, 3 visits will be in peak season.
2. To attend all emergency calls during the contract period.

**A) During preventive maintenance service, the firm will follow the following schedule:**

- 1) Check oil level in the compressor.
- 2) Check liquid sight glasses to determine if there is a refrigerant shortage.
- 3) Inspecting the unit for leaks with soap solution.
- 4) Inspect entire system for any unusual conditions such as noise, vibration, etc.
- 5) Check the system operating pressure and temperatures to ensure proper operating conditions.

- 6) Check Evaporator and condenser approach.
- 7) Check chilled water flow by checking pressure drop across the chiller.
- 8) Compare the chilled water temperature at full load with the chilled water temperature control.
- 9) Inspect all safety controls and adjust if required.
- 10) Inspect all operating control and sequence of operation.
- 11) Review daily operating log book and instruct if required.
- 12) Reports in writing on any detected deficiencies and provided estimate for the repairs.
- 13) Health report of chiller and suggestion for improvement.
- 14) Motor insulation checks.
- 15) Yearly adjustments of controls if required.

#### **GENERAL TERMS AND CONDITIONS:**

- a. The firm must have original equipment testing kit.
- b. All damaged/worn out parts replaced during AMC (labour) should be returned to the PGSC.
- c. No equipment should be unmounted and taken out from PGSC without a proper Gate Pass issued by the concerned In-charge.
- d. In case of any damage due to mishandling of the installation, recovery shall be made from the bill.
- e. The firm must intimate the addresses of his office along with contact numbers of persons to be contacted in case of emergency.
- f. The attending technician should be in possession of all tools and equipment to be used during the maintenance work and the same would be provided by the agency.
- g. The firm or his workers shall not misuse the premises allotted to them for any purpose other than for which the contract is awarded.
- h. The agency has to deploy more manpower, if required, for attending breakdown and completing breakdown work in minimum possible time for which no extra payment would be made.
- i. In case any shutdown is required for carrying out the AMC work, then the same should be informed to the Engineer in charge well before hand and a shutdown should be carried out only after obtaining the necessary approval.
- j. The annual maintenance contract rates will be for two years, initial one year which can be extended for a further period of one year on satisfactory performance by the agency as mutually agreed.
- k. The firm shall comply with all statutory requirements in respect of said work.
- l. All the agency attending technicians should take all necessary precautions while carrying out the AMC work. All protective gear and equipment should be used and should be in good condition. No compromise on safety should be allowed.
- m. Carrying out liasoning with firm of individual equipment will be the sole responsibility of the firm. However, in case of any delay in repair etc. by the firm should keep the concerned in charge well informed from time to time.
- n. **RESPONSE TIME:** 24 hours plus travel time to attend the complaint, from the lodging of the complaint.
- o. **RESOLUTION TIME:** (i) 24-48 hours for minor problems, (ii) 49-96 hours for major problems depending upon nature of failure, **spare availability during the AMC period and process time shall be ensured by service provider. The cost of spare, if required, will be borne by PGSC.**

- p. **PENALTY:** In case failure to attend and removal of faults as mentioned above for S. No. n & o there shall a penalty of Rs.500/- per day.
- q. **TERMINATION:** If no rectification is done within one month, the contract shall deemed to terminate under such situation with deduction of penalty amount.
- r. In case of unsatisfactory performance, the AMC (labour) can be terminated without assigning any reason.

**PAYMENT:**

- a. The payment shall be made on quarterly basis on submission of bills to PGSC after fulfilling all the obligations of site work up to the full satisfaction of nominated officials of PGSC.
- b. **10% amount will be deducted from each Bill submitted during first year AMC as Performance security. This will be kept as security for 2nd year of AMC period. The security will be released on completion of contract period.**
- c. No advance payment shall be paid to the firm.
- d. TAX: Statutory tax will be levied, deducted from the bills of the firm.

**JURISDICTION:**

LOCAL LAW AND LEVIES: The firm shall comply with all the rules, regulations of State Govt. and any other local Govt. while execution of this AMC (labour). Legal orders of the locals body or public authority under the jurisdiction of which the work is executed and pay all fees and charges for which he may be liable. Nothing extra shall be payable on this account. t. In the event of any dispute, differences or controversies arise between the parties hereto, out of or in connection with the terms and conditions of this order, or any action taken hereunder, the parties shall explore the possibilities for amicable settlement. In case, amicable settlement could not be reached, such dispute, differences controversies shell be settled by Arbitration. The arbitrator will be appointed by Director General – PGSC, whose decision shall be binding on both the parties. The venue of such arbitration and all the other matters, legal jurisdiction shall be at District Court, Kapurthala.

Administrative Officer

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Industrial Area, Phase – 1  
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Shinryo Suvidha Engineers India Pvt. Ltd  
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Uttar Pradesh, Tel 0120 4610400

Frontedge Cooling Solutions Private limited  
Add:- 279/C, First Floor, Chirag Delhi  
New Delhi – 110017

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Near PCA Stadium, Mohali