



CSIR-4PI

सीएसआईआर-चौथा पैराडाइम संस्थान

CSIR-Fourth Paradigm Institute

(पूर्व सीएसआईआर-सीमैक्स / Formerly CSIR-CMMACS)

Ministry of Science & Technology, Govt. of India

एनएएल बेलूर कैम्पस, बेंगलूर

NAL Belur Campus, Bangalore-560 037



INVITATION FOR BIDS/NIT

Enquiry No. : **4PI/PUR/2K22/017(a)**

CSIR- Fourth Paradigm Institute(CSIR-4PI), formerly CSIR-CMMACS, BENGALURU, India, is one of the premier laboratories under Council of Scientific and Industrial Research, an autonomous body under Department of Scientific and Industrial Research (Government of India), New Delhi. CSIR-4PI is a Science and Knowledge based Research and Development Organization.

The HEAD, CSIR-4PI invites online quotation for AMC of Air Conditioners for the following item(s) for day to day research work

Sl. No.	Comprehensive Annual Maintenance Contract	Quantity Nos	AMC Period	
A)	Fixed Type Air Conditioners at CSIR-4PI		01/09/2022 to 31/08/2023	
	<i>Type of Air Conditioner</i>	<i>Capacity of TR</i>		
1	Hi wall split Air Conditioner	1.5		5
2	Cassette Split Air Conditioner	1.5		4
3	Hi wall split Air Conditioner	2		37
4	Hi Wall Mega Split Air Conditioner	3		3
5	Package Air Conditioner	8.75		3
6	Package Air Conditioner	11		3
B)	Inverter type Air Conditioner at CSIR-4PI			
1	Hi wall split Air Conditioner	2		26
2	Cassette Air Conditioner	2	2	
C)	One-time repair for 2TR Inverter type Hi wall split Air Conditioner	2	1	One week from the date of PO

Single	YES
Bid Security (EMD) (in INR)	NIL

TERMS AND CONDITIONS TO BIDDER

- 1) Conditional / unsigned tenders (Quotations) shall not be considered. Quotations received after due date & time shall be summarily ignored.
- 2) Kindly quote rates for the AMC with terms and conditions clearly indicating inclusions viz comprehensive/ Spares at actuals, number of preventive visits, break down calls, etc.
- 3) You have to confirm in your offer and also give a certificate to the effect in your bills that the quoted prices do not exceed the prevailing rates charged by you from others for similar services, while claiming payment.
- 4) ESI: If your labour force is covered by ESI Act then you have to submit the proof along with your Invoice / Proforma Invoice, otherwise ESI will be deducted as per rules.
- 5) Tax will be deducted at source as per prevailing rules.
- 6) Please go through the scope of work before quoting in BOQ.

Note :

- 1 Scope of Work : As per ANNEXURE - I
- 2 Payment : Quarterly

Yours faithfully,

SD

Mr. Vikash Chandra Mishra

Stores & Purchase Officer

Tel: +91-80-2505 1945, 2505 1947 (Off); Fax: +91-80-2505 1946, 2522 0392

E-mail: purchase@csir4pi.in, spo@csir4pi.in; URL: www.csir4pi.res.in

ANNEXURE - I

Scope of Work, Terms and condition for Comprehensive Maintenance Contract for Air conditioner units of CSIR-4PI,NAL Belur Campus, Wind Tunnel Road , Bangalore.

1.0 SCOPE OF AGREEMENT:

The contract shall be in force for the period from **01/09/2022 to 31/08/2023** and shall cover all terms and conditions as specified in the Annexure to this agreement.

2.0 Definition

- 2.1** It will be a comprehensive maintenance contract including repair, replacement and Maintenance of all the items connected with air conditioning system of all the air conditioners.
- 2.2** All the air-conditioner units shall be handed over in working condition by the vendor at the end of the AMC period, last quarterly payment will be effected only after ensuring all the units are in working condition by the concerned officer of CSIR-4PI

3.0 Preventive Maintenance

- 3.1** The units shall be thoroughly checked and serviced once in 3 months to avoid the breakdowns. This includes:
- Checking, oiling and greasing of motors
 - Checking of incoming power and ground connections
 - Cleaning of evaporator / condenser coils
 - Cleaning of filters & replacement if required
 - Checking the mounting and tightening of nuts and bolts wherever required.
 - Checking of refrigeration system & charging of gas if required to ensure the cooling efficiency.
 - Testing of operating and safety controls like Thermostat, Remote controller functions etc. and replacing if they are malfunctioning.
 - Testing of electrical accessories like contractor, overload relay, capacitor etc., and wiring.
- 3.2** One Technician along with an assistant shall be deputed for carrying out Preventive maintenance cycle once in three months.
- 3.3** Contractor has to depute a team of an authorized technician and one assistant twice week to CSIR-4PI for general check-up of air conditioner.

4.0 Breakdown maintenance

- 4.1** One Technician along with an assistant should be deputed for carrying out Breakdown call as and when reported including Holiday, In case the Technician could not solve the problem, a qualified supervisor shall visit the site to resolve the complaint.
- 4.2** Sufficient stock of spare parts for all kinds of machines shall be kept at NAL/CSIR- 4PI. The contractor shall ensure that no breakdowns should be kept pending due to the non-availability of spare parts.
- 4.3** The AMC team should invariably adhere to the regular safety practices followed and should have all the necessary safety gear with them required for the work.
- 4.4** Sufficient stock of refrigerant gas (Min 10 kg) shall always be kept as stock.
- 4.5** The contract shall include arranging of all the necessary tools, equipments & instruments like Brazing set, Vacuum pump, Filled Refrigerant gas cylinder, Hand tools set, pressure gauges, Sling Psychomotor, Tong tester, thermometer (dry & wet bulb) ,Ladder etc. at site
- 4.6** The contractor shall ensure only the genuine certified parts are replaced and this shall be done after proper inspection of old & new parts by the concerned officer of Electrical section.
- 4.7** Replacement of compressor to be made only with the new one of same make except for those which are already rebuilt.
- 4.8** The replaced faulty spares including compressor, motor PCB's etc., shall be considered as property of contractor which can be taken out with proper gate pass.
- 4.9** In case AC need to be taken out for major repair at workshop, the transport to borne by the contractor.
- 4.10** The air-conditioner units with frequent breakdowns should be brought into the notice of the concerned officer of electrical section for further necessary action.

5.0 Servicing / Response Time:

The Contractor has to ensure that the service or repairs to be completed within 8 hours for minor & 3 days for major repairs from the time of reporting. Failure to repair / service the equipment in

question as per this schedule without justifiable reason may attract proportionate deduction. In case of any delay beyond this schedule, the contractor shall arrange suitable Standby AC, failing which penalty will be imposed @ 1 % of the contract value per day of delay of particular quarter.

6.0 Inspection of Air conditioners before quoting:

All the units are in working condition. The vendors may inspect the units and satisfy themselves if they desire to do so on any working day between 10 a.m. to 4 p.m. with prior intimation on **telephone no. 25051941/25051906**

7.0 Payment Terms:

Quarterly payment will be effected after satisfactory servicing. If any units are removed from the service during the contract period, the same shall be intimated to the contractor and charges in respect of those machines shall be stopped from the next succeeding quarterly period.

8.0 Award of contract:

The contract shall be awarded to the lowest evaluated bidder (over all lowest and not on individual items based), whose bid has been found to be responsive and who is eligible and qualified to perform the contract satisfactorily as per the terms and conditions incorporated.

Note: 1)The vendor should have a registered Service Centre in Bangalore duly equipped with adequate Technical staff to carryout AMC Contract and Equipment breakdown repair work.

2) Vendor can visit the site before the quote, if required any information regarding Air Conditioners please contact telephone no: 080-25051906.

3) Contractor must have worked at least one year service in fixed air conditioner and inverter air conditioner AMC order. The Proof of satisfactory AMC's to be submitted.