

	<b>सीएसआईआर- भारतीय रासायनिक प्रौद्योगिकी संस्थान</b> <b>CSIR – INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY</b>	
	(वैज्ञानिक तथा औद्योगिक ँ नुसंधान परिषद् / <b>Council of Scientific &amp; Industrial Research</b>	
	उप्पल रोड, हैदराबाद / <b>Uppal Road, Hyderabad-500 007,</b> (तलंगाणा/Telangana), भारत/India	
	दूरभाष/Tel: <b>+91 40 27191245 / 2719 1243 / 27191241</b> ई-मल/Email: <b>csiriichyd@csiriict.in</b>	

*निविदा कललए नलमंत्रण* / INVITATION TO TENDER

निविदा सं./ TENDER ENQUIRY No. - PUR/IICT/RR/822//23-24

निविदा दस्तावज / BID DOCUMENT

FOR

एकल निविदा आमंत्रण / SINGLE TENDER ENQUIRY

सामग्रियों का विवरण / ITEMS DESCRIPTION

**“AMC FOR CHILLERS & Animal House Equipment”**

*e-Bids* under **SINGLE BID System** (Technical Bid & Financial / Price Bid together) shall be submitted through Central Public Procurement Portal(CPPP) (URL:<https://etenders.gov.in/>)\_only

सम्पर्क/ contact-

भंडार एव क्रय नियंत्रक

**Controller of Stores & Purchase**

सीएसआईआर- भारतीय रासायनिक प्रौद्योगिकी संस्थान

**CSIR - INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY**

उप्पल रोड, तारनाका/Uppal Road, TARNAKA,

हैदराबाद/ Hyderabad – 500 007

(तलंगाणा /TELANGANA), भारत/ INDIA

दूरभाष/Ph: +91-40-27191245 / 2719 1243 / 27191241

ईमल /E-Mail: [csiriichyd@csiriict.in](mailto:csiriichyd@csiriict.in) / [spodk@iict.res.in](mailto:spodk@iict.res.in)

Website: <http://www.iict.res.in>

<b>Tender Enq. No.</b>	<b>PUR/IICT/RR/822/23-24</b>	<b>Date</b>	<b>23-11-2023</b>
<b>Manufacturer/Supplier</b>		<b>Indian Office /Dealer/ Distributor</b>	
सब्रा में/To M/s. Blue Star India Limited,  Hyderabad		सब्रा में/To	

**PROPRIETARY/SINGLE TENDER ENQUIRY**

सीएसआईआरटी सी आई आई, हैदराबाद में स्थित अंतरराष्ट्रीय ख्याति प्राप्त संस्थान है /निदेशक, सीएसआईआर-आई आई सी टी, हैदराबाद नीचे दिए गए निबंधन एवं शर्तों का अनुसार निम्नलिखित सामग्रियों /सब्रा की आपूर्ति में रुचि रखते हैं। कृपया ब्योखार दर का साथ में **एकल निवदा सी पी पी पोर्टल** <https://etenders.gov.in/> ~~इमड~~ द्वारा प्रस्तुत करें।

CSIR-IICT, Hyderabad is an internationally acclaimed research Centre of CSIR situated in Hyderabad.

Director, CSIR-IICT, Hyderabad is interested in procuring of the following materials as per the terms and conditions are given below. Kindly submit your detailed tender through the <https://etenders.gov.in/> CPP Portal / e-mail under Single Bid System.

S. No.	Item description	Period of AMC	Bid Type	EMD
1.	<b>AMC FOR CHILLERS &amp; Animal House Equipment</b>	1 year	Single Bid	NA

LIST OF EQUIPMENT COVERED FOR AMC\_BLUESTAR

S.NO	Model	Description	Product SerialNo	Capacity
1	XACS2024MA	AIR COOLED CHILLER- SCROLL 24TR	5551D13	24.0/TR
2	XACS2024MA	AIR COOLED CHILLER- SCROLL 24TR	61189I13	24.0/TR
3	KDS538+	Centrifugal Pump 20m Head Kirloskar	A2ALOC3913	90.0/GPM
4	KDS538+	Centrifugal Pump 20m Head Kirloskar	A4AL0000148	90.0/GPM

5	CSAW-40	Single SkinAHU BlueStar	SCAHU0012 819	4000.0/ CFM
6	DVW6-100	Double SkinAHU BlueStar	SCAHU0012 820	10000.0 /CMH
7	UVAW-30	UnitarySingleSkinAHU BlueStar	SCAHU0012 821	3000.0/ CFM
8	CSAW-40	Single SkinAHU BlueStar	SCAHU0012 862	4000.0/ CFM
9	XAC2YS-100R3	R410A SCROLLCHILLERAIRCOOLED 100TR	22822B-C17	100.0/T R
10	XAC2YS-100R3	R410A SCROLLCHILLERAIRCOOLED 100TR	22822A-C17	100.0/T R
11	1510BF 10.675 5E	Centrifugal Pump 17mHeadBell&Gossett	2017030 551	240.0/G PM
12	1510BF 10.675 5E	Centrifugal Pump 17mHeadBell&Gossett	2017030 550	240.0/G PM

## SCOPE OF AMC

This is a comprehensive service scheme covering operation, periodical inspection, planned preventive maintenance, Breakdown services, repair and replacement as and when required as per contract.

### **1. CHILLERS**

#### **1.1 Quarterly Inspection and Service of equipment as detailed below:**

- a. Cleaning Equipment and surrounding area.
- b. Inspecting the chillers and checking safety controls.
- c. Checking operation of controls.
- d. Checking oil and refrigerant levels.
- e. Checking operation of lube system.
- f. Checking the oil return system.
- g. Checking operation of motor and starter.
- h. Recording operating conditions.
- i. Checking log and reviewing chiller and system operation.
- j. Logging and reporting repairs and parts that are required.

- k. Carry out leak test of system & oil heater operation
- l. Check three-phase voltage unbalance and current imbalance.
- m. Checking all terminals and tightening connections.
- n. Checking flow switch operation.
- o. Check condenser fan motor current, vibration

1.2. Half-yearly/Annually inspection and service of equipment as detailed below:

- a. Identifies Refrigerant leakage in circuit and avoids loss of refrigerant and breakdown of chiller.
- b. Changing the compressor oil, if required.
- c. Changing oil filter and drier, if required.
- d. Changing Oil heater, if required.
- e. Checking all other oil systems components.
- f. Changing Coolant oil and Coolant Pump, if required.
- g. Meggering the motor.
- h. Running diagnostic check of motor control panel.
- i. Checking safety shutdowns operation.
- j. Checking the water pressure drop.
- k. Descaling of Evaporator by suitable genuine chemical if required.
- l. Checking the refrigerant cycle to verify the proper operating balance.
- m. Checking Motor & Fan blade alignment.

**2. PUMPS.**

Quarterly/Annual Inspection and Service of equipment as detailed below:

- a. Inspect pump seals and adjust if necessary.
- b. Check for any leaks & Y strainers cleaning.
- c. Check Temperature Gauge and Pressure Gauge, all valves, Syphon, rubber below replace/repair if required.
- d. Check pumps coupling, vibration & footings.
- e. Check pump bearings and lubricate or replace if found defective.
- f. Check starter operation.
- g. To check that vent passages are not blocked.
- h. Check Gland / Mechanical Seal, replace if found defective.
- i. Check functioning of NRV, Replace / Repair if found defective.

**3. MOTOR**

Quarterly Inspection and Service of equipment as detailed below:

- a. Clean Motor to make motor free from oil, dust and moisture.
- b. Check and record the motor running current on all three-phases/ single phase.
- c. Check all connections and associated wiring.
- d. To check the earthing conductor for continuity.
- e. Check Terminal, lugs / socket, replace if found defective.
- f. To check the insulation resistance between respective terminals and frame.
- g. Check Motor coupling, Coupling rubber, vibration & footings.
- h. Check & lubricate motor bearings and lubricate or replace if found defective & Overhauling of Motor.
- i. Checking of Motor & Pump Coupling shaft alignment.

#### **4.AHU, CSU & HRW**

a. **Quarterly / Monthly Inspection and Service** of equipment as detailed below:

- a. Cleaning of air filter, drain tray & cooling coil by water/ air as required.
- b. Check Temperature Gauge and Pressure Gauge, replace if found defective.
- c. Clean Motor to make motor free from oil, dust and moisture.
- d. Clean AHU/CSU/HRU inside body and outside body to make the unit free from dust.
- e. Checking of belt and replace if require.
- f. To observe the operation of drive shafts of Motor and Blower.
- g. Checking alignment of shaft & pulley, adjust if required.
- h. Lubricate Motor & Blower Bearing, replace if found defective.
- i. To check the function of Actuator and Thermostat, replace/repair if required.
- m. To check the functioning of Water Line Valves, Replace/repair if not working.
- n. Check motor Terminal, lugs / socket, replace if found defective
- o. Check and record the motor running current on all three-phases/ single phase.
- p. Check all connections and associated wiring.

**Yearly inspection and service of equipment as detailed below:**

- a. Cleaning of Blower Blades.
- b. Cooling Coil with fins outside Cleaning by genuine chemical
- c. Cooling coil cleaning by circulation of genuine chemical inside the coil if necessary.
- d. Overhauling of AHU with overhauling report.
- e. Painting of rusted area to avoid unit from rusting.
- f. Repair or replacement of AHU Service door & its body frame.
- g. Check and lubricate the damper/VCD.
- h. Check all other equipment related to AHU and clean/service if required.

#### **निबंधन एवं शर्ते/ Terms & Conditions**

1. **E-Bids** are invited through the electronic tendering process and the Tender Document can be downloaded from the e-Tender portal of Central Public Procurement (CPP) Portal of the Government of India i.e. <https://etenders.gov.in>. A copy of the Tender Document is also available on CSIR-IICT Website, <http://www.iictindia.org> for information. However, the submission of e-Bids will be only through the CPP e-Tender portal <https://etenders.gov.in>. **Bids will not be accepted in any other form.**
2. For participation in e-procurement all bidders (including foreign bidders) need to enrol themselves on the Central Public Procurement Portal (URL:<https://etenders.gov.in>) which will be free of cost. For further information, kindly refer "Bidder Manual Kit" in the said portal.
3. Only enrolled/registered bidders with the above said portal shall be allowed to participate in the e-tendering process
4. The quotation must be in the form furnished by the Purchaser and should be free from corrections/erasures. In case there is any unavoidable correction, it should be properly attested. If not, the quotation will not be considered. Hand written Quotations will not be considered.
5. It may kindly be noted that your **Bid** should be in **Single BID System** / ~~Two BID System.~~
6. In the event of award of Contract in your favour, you need to submit a **Performance Bank Guarantee** valid for a period of **2 Months** beyond the Warranty period of **\_12 Months.** (~~Not Applicable~~)

7. Price quoted should be **net** and valid for a minimum period of **90 days** from the date of opening of the quotation.
8. **It may be noted that Conditional / Unsigned tenders shall not be considered.**
9. The bidder must submit the applicable **Price Schedule** Form as Annexed to the **BOQ** in [etenders.gov.in](http://etenders.gov.in) / **Tender Document**.
10. Complete specifications with manufacturer's Name and address should be given while quoting. Literature / brochures / pamphlets / technical data sheets / drawings must be enclosed with the quotation wherever applicable.
11. Prices are required to be quoted in units indicated in the enquiry. When quotations are given in terms of other units, relationship between two sets of units should be furnished. Quantity discounts, if any should also be indicated. The items should be quoted indicating the serial No. of our RFQ.
12. Currency of the Quote essentially be **Indian Rupee** only. However, **multi-currency** bidding is allowed in case of proprietary equipment procured from overseas manufacturer and spares and consumables of such proprietary equipment / spares, etc. eligible for Global Tender Enquiry (GTE) permitted in terms of Govt. of India orders No. No. F/12/17/2019/PPD dt. 29<sup>th</sup> Oct., 2020 and No. F.20/45/2020-PPD dt. 8<sup>th</sup> Jan., 2021, as amended from time to time.
13. **Delivery period** required for supplying the material should be invariably specified in the quotation. The offered delivery period shall have to be strictly adhered to in case an order is placed.
14. **Liquidated Damages** The applicable rate is 0.5% per week and maximum deduction is 10% of the contract price, at the discretion of the Competent Authority, CSIR- IICT.
15. If the deliveries/service are not maintained and due to that account the purchaser is forced to buy the material/service at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier.
16. All supplies are subject to inspection and approval before acceptance. Manufacturer warranty certificates and manufacturer/Government approved lab test certificate shall be furnished along with the supply, wherever applicable.
17. **IT / GST TDS** would be recovered as per applicable rule / regulations / provisions of applicable Indian laws.
18. Kindly furnish your **Permanent Account No.(PAN) & GST Number**, etc. in your quotation for our records.
19. Tender conditions (printed on the reverse), if any, or otherwise sent along with the tender **shall not be binding** on us.
20. This Institute intends to the benefits available to bidders in terms of policies and instructions issued by the Govt. of India in pursuance of 'Micro, Small and Medium Enterprises(MSME) Development Act, 2006' as made applicable as on the date of issue of this tender inquiry.  
A supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more that 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India.

MSEs would be treated as owned by Scheduled Caste/Scheduled Tribe enterprises as under:

- a) In the case of proprietary MSE, the proprietor(s) shall be SC /ST.
- b) In the case of partnership MSE, the SC/ST partners shall be holding at least 51% (fifty-one percent) shares in the unit.
- c) In the case of Private Limited Companies, at least 51% (fifty-one percent) share shall be held by SC/ST promoters.

MSEs owned by women shall also be determined as per the above analogy/criteria.

The instructions regarding MSEs, as amended from time to time as on the date of Tender Inquiry shall be made applicable.

21. All disputes related to this tender shall be settled in the competent local courts of **HYDERABAD** Jurisdiction only.

22. If bidder is Indian agent of foreign principal, the following instructions shall be complied –

- i. Bidder must **necessarily comply** with conditions of **'Make in India' Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020** of Ministry of Commerce and Industry, Government of India(GoI), as amended from time to time on the date of issue of tender and related instructions of the GoI. The relaxation to invite **GTE** for spares of equipment from OEM extended vide Govt. of India, Ministry of Finance OM No. F/12/17/2019/PPD dt. 29<sup>th</sup> Oct., 2020 and provisions for inviting **GTE** for specialized equipment required for research purposes, and spares consumables for such equipment in terms of Govt. of India, Ministry of Finance No. F.20/45/2020-PPD dt. 8<sup>th</sup> Jan., 2021 shall be applicable in the relevant cases as per instructions of the Govt. of India, as amended from time to time.
- ii. Bidder shall **comply with restrictions under Rule 144 (xi) of the GFR, 2017 related to restrictions on participation of Foreign Bidders and their Authorized Indian Agent/ Dealer** in terms of **Order No. P-45021/112/2020-PP(BE-II) (E-43780) dated 24.08.2020** of the Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, as amended from time to time as on the date of issue of tender.

23. The Director, CSIR- Indian Institute of Chemical Technology(IICT), Hyderabad reserves the right to accept or reject any or all tenders / offers either in part or in full or to annul the tender process at any stage or to split the order without assigning any reasons thereof.

#### **24. IMPORTANT NOTE:**

i. KINDLY ENCLOSE COPIES OF PURCHASE ORDERS OF SAME/SIMILAR ITEMS (EVEN IF MODEL NUMBER / ACCESSORIES DIFFER) THAT YOU HAVE RECEIVED FROM ANY GOVERNMENT INSTITUTES/ UNIVERSITIES / CSIR INSTITUTES IN PARTICULAR, DURING THE LAST 03 YEARS.

ii. IF NO SAME/SIMILAR EQUIPMENT HAS BEEN SUPPLIED TO ANY GOVERNMENT INSTITUTES/ UNIVERSITIES/CSIR INSTITUTES IN PARTICULAR DURING THE LAST 03 YEARS, PLEASE PROVIDE AN UNDERTAKING STATING 'WE CERTIFY THAT NEITHER WE NOR OUR PRINCIPALS (WHEREVER APPLICABLE) HAS SOLD SAME / SIMILAR ITEM TO ANY GOVERNMENT INSTITUTES / UNIVERSITIES / CSIR INSTITUTES IN PARTICULAR'.

#### **iii. REASONABILITY OF PRICES:**

A) PLEASE QUOTE BEST MINIMUM PRICES APPLICABLE FOR A PREMIER RESEARCH INSTITUTION, LEAVING NO SCOPE FOR ANY FURTHER NEGOTIATIONS ON PRICES.

B) A CERTIFICATE SHOULD BE GIVEN TO THE EFFECT THAT THE QUOTED PRICES ARE THE MINIMUM AND THEY HAVE NOT QUOTED THE SAME ITEM ON LESSER RATES THAN THOSE BEING OFFERED TO CSIR-IICT TO ANY OTHER CUSTOMERS NOR THEY WILL DO SO TILL THE VALIDITY OF OFFER OR EXECUTION OF THE PURCHASE ORDER, WHICHEVER IS LATER.

25. The address for obtaining further information:

**CONTROLLER OF STORES & PURCHASE,  
CSIR-IICT, Uppal Road,  
Tarnaka, Hyderabad - 500007, India.**

**Tel # : 00 91 40 2719 1241/1243/1245**

***Email:* [csiriicthyd@csiriict.in](mailto:csiriicthyd@csiriict.in) / [spodk@iict.res.in](mailto:spodk@iict.res.in)**

***Website:* [www.iictindia.org](http://www.iictindia.org)**

Sd/-  
(Dharmendra Kumar)  
Controller of Stores & Purchase Officer  
For and on behalf of CSIR



**Format for declaration by the Bidder for Code of Integrity & conflict of interest**  
*(Refer para 3.2.1 & 5.1.2 (ix)(m) of the CSIR Manual)*

**(On the Letter Head of the Bidder)**

Ref. No: \_\_\_\_\_

Date \_\_\_\_\_

To,

Director, CSIR-Indian Institute of Chemical Technology(IICT),  
Uppal Road, Tarnaka,  
Hyderabad- 500007, India.

Sir,

With reference to your Tender No. \_\_\_\_\_ dated \_\_\_\_\_ I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement as mentioned under Para 1.3.0 of ITB of your Tender document and have no conflict of interest.

The details of any previous transgressions of the code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:

- a
- b
- c

We undertake that we shall be liable for any punitive action in case of transgression/contravention of this code.

Thanking you,

Yours sincerely,

Signature  
(Name of the Authorized Signatory)  
Company Seal

**Format for declaration by the Bidder for Reasonability of Prices**  
**(On the Letter Head of the Bidder)**

Ref. No: \_\_\_\_\_  
\_\_\_\_\_

Date

To,  
Director, CSIR-Indian Institute of Chemical Technology(IICT),  
Uppal Road, Tarnaka,  
Hyderabad- 500007, India.

Sir,

With reference to your Tender No. \_\_\_\_\_ dated \_\_\_\_\_ I/We hereby  
certify that the price/s offered vide our Quotation No. \_\_\_\_\_ dated  
\_\_\_\_\_ is reasonable.

We further certify that the quoted prices are the minimum and we have not quoted the same  
item/s on lesser rates than those being offered to CCMB, to any other customers.

Thanking you,

Yours sincerely,

Signature  
(Name of the Authorized Signatory)  
Company Seal