INTER – UNIVERSITY ACCELERATOR CENTRE

(An *autonomous center of UGC)*
Aruna Asaf Ali Marg,
Post Box No. 10502, NEW DELHI - 110 067
Website: www.iuac.res.in

Ref: IUAC /PF0055/ Date: 13/11/2026

Indent Number : 1176

ENQUIRY LETTER THROUGH E-PUBLISHING

Inter University Accelerator Centre (IUAC) invites price quotations for Replacement of AHU Cooling Coils (chilled water type) with the following :

i. Terms & conditions are given in **Annexure – A**
ii. Scope of Works, Technical Specifications as given in A**nnexure – B.**
iii. Profile of the Tenderer is given in **Annexure – C**
iv. Declaration of local content is given in **Annexure - D**.
v. Undertaking by the Bidders on Blacklisting is given in **Annexure – E**.
vi. BID Securing Declaration Form is given in **Annexure – F**.
vii. Bill of Quantities (BOQ) is given in **Annexure – G**
viii. Copy of PO (1 nos. of Rs 3.0 Lacs or 2 nos. of 2.6 Lacs each or 3 nos. of 1.8 Lacs each) and completion certificate for the same PO for the similar work executed during last 7 years.
ix. Copy of GST, PAN, ITR, CA audited reports.

Sr. No	Item	Qty.
1.	Dismantle of old AHU cooling coils and Installation of new AHU cooling coils (AHU cooling coil shall be supplied by IUAC) including attached Technical Specifications, Scope of work & BOQ.	1 Lot

Annexure – A

Terms & Conditions

The bidder is required to ***agree*** on the following terms and conditions for successful submission of bid

1. **Technical specifications :** The bidder should agree on the technical specifications as mentioned in Annexure-B and provide all the necessary documents supporting the specifications mentioned in the table.

2. **OEM / authorized distributor (Not Applicable) :** The bidder should either be OEM or authorized distributor of OEM only. In case of distributor, authorization certificate from OEM should be provided along with the quotation.

3. The bidder(s) will have to submit signed copies of all the required documents, if they are asked to submit. The bidder(s) will have to clarify all the queries, if any, asked to them within specified time limit as decided by IUAC. IUAC engineer may ask for documents, if there is discrepancy in the bid.

4. **Quotation Currency:** Price (without GST) of the item should be quoted in Indian National Rupee (INR) only. Freight and Packing Charges, if any, should be mentioned along with the quotation. GST should be mentioned separately.

5. **Validity of Quotation:** The period of validity of quotation should not be less than 45 days.

6. **Completion/Delivery period:** The work/goods have to be completed/delivered at IUAC within **45 days** from the date of Purchase Order.

7. **Earnest Money Deposit:** EMD of **Rs. 9,000/-** (Nine thousands only) is to be submitted along with the bid document in the form of Demand Draft in favour of IUAC, Delhi. Bid Security shall be refunded to the un-successful bidders on award of contract and to successful bidders on receipt of Performance Security.
   EMD is the mandatory requirement, however the MSMEs / NSIC registered with Government Agencies are exempted from payment of Earnest Money Deposit (EMD) and are required to submit Bid Security Declaration form subject to conditions given below: -

   (a) MSMEs participating in the tender must submit valid & authorized copy of certificate of registration. The MSME's Bidder to note and ensure that nature of services and goods / items manufactured mentioned in MSME's certificate matches with the nature of the services and goods / items to be supplied as per Tender.

   (b) The registration certificate issued by agencies must be valid as on Bid closing date of the tender. Bidder shall ensure validity of registration certificate in case bid closing date is extended.

   (c)The MSMEs who have applied for registration or renewal of registration with any of the authorized agencies / bodies but have not obtained the valid certificate as on close date of the tender, are not eligible for exemption / preference.

8. **Warranty and after sale service: One year (minimum)** warranty period from the date of installation at IUAC. Any damage or repair required in this period should be attended by the vendor free of cost within two weeks of period of reporting. The authorized personnel for servicing / maintenance etc. should be specified. Vendor should specify the capacity &

capability to undertake repair and service works (if available) in India. The parts not covered under the warranty should be clearly mentioned.

9. Bidder must quote all items rate as asked for in the Bill of quantities. Failure in not filling some item rates will lead to be considered them as zero and accepted. No further compensation on that item can be considered later. The bidders should quote unconditional rates.

10. **Performance Security**: Successful bidder will have to submit Performance Security cum warranty for an amount which is 10% of the order value, valid up to two (02) months beyond warranty period, within 15 days on issue of Purchase Order in the form of irrevocable bank guarantee or FDR.

11. **Payment terms :** 100% payment after delivery and acceptance by the IUAC subject to submission of Performance Security. Bank details should be provided with the quotation for electronic payment to the successful bidder.

12. **GST :** Extra as applicable.

13. **Liquidated Damages (Late Delivery) :** In case supply is delayed beyond the specified delivery date, deductions on account of liquidate damage @01% per week or thereof will be deducted subjected to maximum of 10% of order value.

14. **Force Majeure :** The right of the contractor/supplier to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor/supplier, including not limited to acts of God, Pandemic, or of the public enemy, restraints of a sovereign state, firms, wars, fires, epidemics, quarantine restrictions, floods, unusually severe weather. If a Force Majeure situation arises, the supplier/contractor shall promptly notify along with the justification / reasons well in advance to the Director IUAC for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. **The decision of the IUAC Director will be final and binding on the bidder/ supplier / contractor.**

15. IUAC reserves the right to reject one/ all the bids or cancel the tender without assigning any reasons thereof.

16. **Preference to make in India:** It is mandatory for bidders to quote items having local content minimum 20%. Refer revised Public Procurement (Preference to Make in India), Order 2017, No. P-45021/2/2017-PP (B.EII) dated 16.09.2020 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India as notified from time to time. (Submit duly filled Declaration of Content as per Annexure G). The Declaration of Content once submitted in the Technical Bid will be final. Submission of Revised Declaration of Content will NOT be accepted. As per O.M. of DPIIT, Ministry of Commerce and Industry, Govt. of India No. P-45021/102/2019-BE-II- Part (1) (E-50310) Dated 04.03.2021, Bidders offering Imported products will fall under the category of Non-Local Suppliers. They cannot claim themselves as Class-I or Class-II Local Suppliers by claiming the services such as Transportation, Insurance, Installation, Commissioning, Training and After Sale Service Support like AMC/ CMC etc. as Local Value Addition.

17. No deviation from the stipulated terms and conditions will be allowed. Tender will be unconditional.

18. Any dispute arising out of this tender will be subjected to jurisdiction of New Delhi / Delhi only.

19. **Correspondence :** All the correspondence in respect of bid / contractual obligation shall be made to "The Administrative Officer (S&P), Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi – 110067". E-mail: iuacstores@gmail.com, Telephone: +91-11-24126018, 24126022.

20. Submission of Bid: The bid (Single bid system) complete in all respect shall be submitted in sealed envelope. The indent no. 1176 shall be mentioned on the envelop. The bids may be submitted by hand at IUAC reception or by post.

21. **Last date for submission :** The last date for submission of the bid is **04/12/2026 at 3.00 pm.**

(Signature of bidder along with official seal)

Name of the Bidder

Scope of Work **Annexure – B**

1. **Introduction :** IUAC intends to replace the old leaking / repaired AHU Chilled water type cooling coils of (AHU-HCI (2 nos- First floor), AHU Ph-II- (Ground floor), AHU-UPS-Pel (First floor) by removing the old cooling coils and installation of new AHU cooling coils (AHU cooling coils shall be provided by IUAC) in place of old cooling coils as per requirements.

2. **The scope of work briefly covers :**

a) **Removal of thermal insulation.**
b) **Disconnection of piping connections by unbolting of flanges, cutting of pipes by gas cutter / cutting wheels.**
c) **Removal by unscrewing of AHU filter section channels / puf panels.**
d) **Unscrewing of blank off around coils.**
e) **Removal of coil from it's position and shifting to the nearby place.**
f) **Installation of the coil support over condensate tray as per requirements.**
g) **Shifting of cooling coil from the UB-1 to the AHU.**
h) **Installation and fixing of same in position in AHU.**
i) **Piping connections by threaded pipe nipple and welded flange joints, pipe, bends etc. as per requirement.**
j) **Fixing of side blank off as per requirement.**
k) **Fixing / repair / modification of PUF panels in coil & filter section as per requirements.**
l) **Installation of filter channels / section.**
m) **Leak testing of welded / threaded joints as per requirements.**
n) **Thermal insulation of piping, bends, flanges, valves etc. as per requirements.**
o) **Removal of Cooling coils, piping scrap and insulation of malba from the site .**
p) **Malba shall be safely disposed at the place designated by the local bodies as per their norms.**

3. Dismantling and Safe Disposal of malba away from IUAC Site : Transportation and disposal of dismantled materials in compliance with applicable local environ-mental and safety regulations. The safe disposal of scrap items away from the site to be done within 15 days of dismantling work or else Rs. 10,000 per week will be levied as holding charges.

3. BUY BACK offer of AHU scrapped cooling coils / M.S. Scrap is on as is where is basis. This item should be quoted separately in BOQ, failing which the Bid may be rejected.

NOTE: IUAC will not provide any GST bill/invoice towards the Buyback of the items. IUAC will only issue Gate Pass for buy back items. Bidder has to consider this while quoting amount against credit towards Buy back.

4. Final evaluated cost will be considered for price comparison among the participating bids only.

5.Every bidder has to mandatorily quote all items in BOQs.

6. Minor civil works associated with this should be included in the work.

7. The installation team should comprise of a Technical Supervisor, experienced and approved welder(s), pipe fitter, grinder, helpers etc.,

8. Preparation of piping layout drawing including support details and the same should be got approved by IUAC before fabrication and 2 copies of as built drawings & one soft copy both in solid works and in pdf to be submitted. Works shall be allowed only after approval of drawings.

9. Manufacturer's Material & Test certificates for all the equipment/material including MS Pipe, MS Fittings etc., should be submitted to us before starting execution of works by the contractor. Without submission of test certificates and approval from our end, work will not be allowed.

10. All the works will be done as per the technical specifications mentioned in Annexure-B.

11. All rates should be quoted by the bidder item wise (in BOQ / Annexure-G) after carefully going through the technical specifications & scope of work.

12. No deviations from scope of work & technical specifications will be acceptable.

13. **The works are only indicative and all the activities / materials needed for completion of the works, but might have not mentioned explicitely in NIT, have to be accounted for by the bidder at the time of quoting.**

14. Bidder should take into account all the implicit items not specified here-in, but are essential for completion of the work. The costs of such items should be in-built in the costing of the item rates. If the items are not taken into account, they should be clearly brought out in the Technical Bid (Part-A) of the bid document.

15. While carrying out the works all precautions have to be taken to ensure no defacing / damage occurs to adjacent area / equipment etc., In case of any damage occurs, the same has to be rectified/repaired free of cost by contractor.

16. Supports shall be made of Equal angles of 50x50x6 mm thickness / C-channels of ISMC 100 (100x50) / ISMC 75 (75x40mm), box made out of 2 nos. of ISMC 100 (100x50) welded together, MS plates of size 150x150x12 mm thickness or various sizes with a thickness of 10/12 mm, Anchor fasteners of 12 mm as required as per the requirement or as per the design. One coat of red oxide painting and two coats of synthetic enamel painting should be done on all the supports.

17. Basis of Payment: **The quantities shown on the price schedule are only tentative and the actual measurements will only be known after the exact design & drawing is finalized by the successful bidder with due approval of the owner.**

18. **Kindly note that payment shall be made as per the actual quantities installed and not on the basis of items supplied. The final payment will only be made on the basis of the actual work / quantities executed and for this a joint measurement by IUAC Engineer-In-charge and the contractor will have to be taken. The responsibility and the facilitation for taking the measurements will rest with the contractor. It is entirely contractor's responsibility to take dimensions, sizes from site, design the system and take IUAC's Engineer's approval before actually proceeding with supply and installation of the same at site.**

19. Civil Works: Civil work 'if any' will be in bidder's scope and quoted rates to cover for the same. This also includes removal and disposing off the debris/malba outside IUAC at MCD designated place.

20. Codes and Standards: All the design/material/workmanship/fabrication shall conform to the prevalent latest Indian/ equivalent Foreign Standards, Local statutory rules, safety standards, Indian Electricity Act and Indian Electricity rules as amended from time to time.

21. Storage and living accommodation: The contractor will be responsible for storage of material/ equipment at site and necessary locking; safety and security arrangement will have to be made by the successful bidder at his cost. Safety of all the materials stored and responsibility of the same shall entirely be that of the bidders.

22. IUAC does not provide any living accommodation.

23. Inspection: Material should be offered for inspection and testing at factory before dispatch to site wherever applicable.

24 Documents to be furnished by Vendor after award of contract:

24.1 Activity Bar chart

24.2 Design, Technical details, Make & Model of all the items (BOQ) offered to supply.

24.3 Schematic piping diagram.

24.4 Piping supports drawing.

24.5 Manufacturer's material certificate, test reports & manuals should be submitted in original for pipes, fittings, anti- corrosive insulation material.

24.6 Any other relevant documents if required.

Technical Specifications :

1. MS Pipes: The MS pipes shall be ERW Black (<=150mm shall be as per IS 1239, PTI, Heavy Class and >=200 mm as per IS – 3589, 6 mm thick), beveled ends.

2. Flanges: The flanges SORF, BS-10, Table - F. Flanges may be tack welded into position, but all final welding shall be done with joints dismounted. 3 mm thick gaskets shall be used with all flanged joints. The gaskets shall be fiber reinforced rubber as approved by the Engineer-In-Charge/ the associated personnel. Counter flanges for butterfly valve shall be provided by successful bidder.

3. Fittings: All fittings should confirm to ASTM A234, GR WPB, Sch.40, ANSI B 16.9. All integral branch off shall be stub connected. All fittings shall be tested to a pressure of 15 KSC.

4 Bolts: All bolts shall be as per IS: 1367 CL 4.6 with dimensional standard as per IS:1364 and length to suit.

5 Nuts: All nuts shall be as per IS: 1367 CL 4.0 with dimensional standard as per IS:1364 and Hexagonal.

6 Gaskets: All gaskets shall be as per CAF IS:2712 GRW/3 with dimensional standard of ANSI B 16.21 150# and 3 mm thick Ring Type.

7 Butterfly Valves: All butterfly valves shall be as per IS 13095:2020 with CI body, SS-304 disc (CF8), Black Nitrile Liner, AISI 410 shaft, lever operator and PN -16 pressure rating.

8 Welding:
Welding operations shall confirm to Chapter V of the code of Refinery piping ANSI B31.3 - latest edition.

- ➢ All pipe ends shall be prepared V-end & tac welded before final welding.
- ➢ The welder will be pre-qualified by us based on the 180-degree face and 180 deg root bend test of the samples to be test welded by him in our presence and in 45-degree position and the test result will be furnished by the bidder from a Govt. approved test house.
- ➢ All expenditure to be incurred on the pre-qualification of the welder will be borne by the bidder including the cost of samples and arrangements made thereof.
- ➢ Welding work will be allowed only after completion of welder test and submission of test report.
- ➢ Welders and welding procedures shall be certified as per section IX of ASME Boiler and pressure vessel code - latest edition.
- ➢ The electric current for welding will be DC straight polarity (electrode negative).
- ➢ All pipes shall be butt welded as per ANSI B16.25.
- ➢ The welding electrode to be used will be only Adore/Advani/ IOL.

9 Testing of the Piping: In general, tests shall be applied to piping before connection of equipment and appliances. In no case shall the piping, equipment or appliances be subjected to pressures exceeding their test ratings.

The tests shall be completed and approved before any insulation is applied. Testing of segments of pipe work will be permitted, provided all open ends are first closed, by blank offs or flanges. After tests have been completed the system shall be drained and flushed 3 to 4 times and cleaned of all dust and foreign matter. All strainers, valves and fittings shall be cleaned of all dirt, fillings and debris.
All piping shall be tested to hydraulic test pressure of at least one and half times the maximum operating

pressure but not less than 10 kg/cm2 for a period of not less than 12 hours. All leaks and defects in the joints revealed during the testing shall be rectified to the satisfaction of the Engineer-In-Charge, without any extra cost.

All the piping systems shall be tested in the presence of the Engineer-In-Charge or their authorized representative. Advance notice of test dates shall be given and all equipment, labor, materials required for inspection, and repairs during the test shall be provided by the contractor. A test shall be repeated till the entire systems are found to be satisfactory to the above authority. The tests shall be carried out for a part of work if required by Engineer-In-Charge in order to avoid hindrance in the work of the insulation contractor.

The contractor shall provide all labor and materials to make provision for removing water and throwing it at the proper place, during the testing or/and after the testing to avoid damages to employer or other contractors' properties. Any damages caused by the contractor to the employer or other contractors' properties, shall be borne by the contractor.

10 Pipe Supports: It should be made of structural steel & include G.I. clamps, anchor fasteners, wooden blocks, insulation pad. Supports will be installed at no larger than 3 meters and as per the design calculations to be furnished by you and consisting of C-channels, Angles, I section etc. of 6 mm minimum thickness. Extra support should be provided at bends & fittings like valves to avoid undue stress at pipes. The support columns have to be appropriately grouted using 1:2:4 concrete mix. The fabrication of hangers, anchors and materials shall conform to the requirements of chapter "Fabrication of pipe hangers, supports, anchors, Sway bracing and piping B31.3-latest issue.

11 Painting:
All exposed metal surface of pipes, fittings and supports must be applied with one coat of red-oxide primer & two coats of Epoxy paint of Approved shade. The surface to be painted shall be cleaned thoroughly before painting.

Anti-Corrosive protection for all underground sections: The bituminous wrap of 3 mm thick should be hot applied for corrosion protection conforming to IS: 10221.

List of Approved Makes:

S. No.	Equipment/Item/Material	Approved Manufacturer
1	MS ERW Black Pipe	Tata / Jindal Hissar.
2	Support Steel	Tata / Jindal Hissar.
3	Butterfly Valves	Advance/ Audco
4	Anchor Fasteners	Cannon / Hilti / Fisher
5	Filler Wires	Adore / BOC / L&T
6	Paint / Primer / Thinner	Asian/Nerolac/Dulux

NOTE:

a) IUAC reserves the right to add or delete the approval list of makes for certain items, if found not compatible with the system. In case the make of any item is not mentioned, the same should be of well-known reputed ISI. Above makers of materials are approved subject to their meeting the tender specification & site requirements.

b) The contractor shall supply ISI marked material as per of the makes/brands indicated above. In case, the firm is not manufacturing ISI marked material for any of the brands, first quality material shall be accepted.

c) The samples of the material shall in either case have to be got approved from the Engineer-in-charge.

d) Material where no make/brand has been mentioned, in this case ISI marked samples shall be submitted by the contractor for approval of Engineer.

e) Contractor will be responsible to ensure the quality of products listed in approved list of makes/brands. Contractor will have to replace the defective and sub-standard materials at his own cost.

Annexure - C

PROFILE OF THE TENDERER
(To be given on Company Letter Head)

1	**Name of the Firm / Organization**	
2	**Address**	
3	**Telephone No. / Mobile No. & Name of the Contact Person**	
4	**E-mail ID**	
5	**Month and Year of establishment**	
6	**Name of proprietor / partners/director**	
7	**No. of years of experience in this field, with Reference, Certificates**	
8	**Annual Turnover during the last three years (Enclose copies of Audited Financial Duly certified by CA)** **2022 – 23** **2023– 24** **2024 – 25**	
9	**Whether the firm is a Tax Assessee ? If so, please give the details of PAN and the copies of ITR files for the last three financial years**	
10	**Name of the OEM and address**	

Signature of the Tenderer & Seal

Annexure – D

DECLARATION OF LOCAL CONTENT

(To be given on Company Letter Head)

To,
The Director,
Inter University Accelerator Centre
Aruna Asaf Ali Marg
New Delhi- 110 067

Subject: - Declaration of Local Content

Tender Reference No: _____

Name of Tender/ Work:_____

1.Country of Origin of Goods being offered: _____

2. We hereby declare that items offered has _____% local content.

3. Details of the Location at which the Local Value Addition is made _____

4. Details of Local Content

* "Local Content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

Bidders offering Imported products will fall under the category of Non-Local Suppliers. They cannot claim themselves as Class-I or Class –II Local Suppliers by claiming the services such as Transportation, Insurance, Installation, Commissioning, Training and After Sale Service Support like AMC/ CMC etc. as Local Value Addition.

"*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law."

Yours faithfully,

(Signature of the bidder, with Official Seal)

Note: Preference shall be given to local suppliers as per revised Public Procurement (Preference to Make in India), Order 2017, No. P-45021/2/2017-PP (B.E-II) dated 16.09.2020 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India. (Submit duly filled Declaration of Local Content for the same). The Declaration once submitted in the Technical Bid will be final. Submission of Revised Declaration will NOT be accepted.

Annexure -E

(Undertaking to be given on Bidders/ Company Letter Head)

I / We (bidder) hereby give an undertaking that:

1. I / We have not been blacklisted / on holiday list / debarred during last three years by any Govt. Department / Govt. Autonomous Body/Institution, etc.

2. I / We do not have any dispute with any of the Govt. Departments / Govt. Autonomous Bodies/Institutions, etc.

3. I / We have never been certified as 'Unsatisfactory Performer" for the said services provided to the Govt. Departments / Govt. Autonomous Bodies / Institutions;

4. I / We have not submitted any fake/forged certificates/ documents and later, if any such 'Certificates / Documents' found to be fake / forged or contains wilful wrong / incorrect information, suitable legal actions may be initiated against me / us / agency and the agencies / bidders shall be debarred from tendering with the Institute.

5. I / We shall not withdraw my / our bid after opening of Technical Bid and if done so, the IUAC and the agencies / bidders shall be debarred from tendering with the Institute.

Place:

Date:

Seal and Signatures of the Authorized

Person of the Agency

Annexure - F

BID SECURING DECLARATION FORM
(To be submitted by MSME / NSIC on Company's Letterhead)

Tender No. Date:

To:
The Director
IUAC
New Delhi-110067

I / We, the undersigned, solemnly declare that:

I / We understand that, according to your conditions of this Tender document, bids must be supported by a Bid-Securing Declaration in lieu of Bid Security Deposit.

I / We unconditionally accept the condition of this Bid Security Declaration that I / We will automatically be disqualified / suspended from bidding for any contract with IUAC, New Delhi for a period of two years starting from the last date of receipt of this bid / tender, if
I / We are in a breach of our obligation(s) under the bid conditions, if I / We:

(a) withdraw / modify / amend / impair / derogate, in my respect from our Bid during the period of bid validity specified in the Tender Notice.
(b) having been notified of the acceptance of our Bid by IUAC, New Delhi during the period of bid validity,
    (i) fail or refuse to execute the Contract, or
    (ii) fail or refuse to furnish the Performance Security, in accordance with terms and conditions of the tender/bid.

I / We understand this Bid-Securing Declaration shall expire if I / We are not the successful Bidder, upon the earlier of
    (i) our receipt of your notification of the name of the successful Bidder;
or
    (ii) Forty-five days after the expiration of the validity of my / our Bid.

Name and Signatures of the Bidder:

Registered Address of the Company:

Company seal

Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid.

Bill of Quantity **Annexure – G**

S. No.	**Description of Items** **(The quoted price shall include DSITC of all the items mentioned below and detailed Scope of Work and Technical Specifications, NIT)**	Qty.	Unit Price	Total Cost
1	Dismantle of old and replacement by installation of new AHU Cooling Coils **(AHU cooling coils will be provided by IUAC)** as per attached scope of works and details as per following : **AHU- Sub Station** : Fins Length-48", Filns Height-47", Fins depth-6.5". Header-2.5"	1 nos		
1.1	**AHU- HCI :** Fins Length-96", Fins Height-60", Fins depth -6.5", Header-4"	2 nos		
1.2	**AHU-2/PH-2 :** Fins Length-70", Fins Height-48", Fins depth -6.5", Header-3"	1 nos		
2	Fabrication only (MS pipe only will be provided by IUAC) including bends, reducers, supports by MS electrode arc welding of following pipe sizes: 4" NB	3 RM		
2.1	3" NB	3 RM		
2.2	2" NB	7 RM		
3	Supply and fixing of Flanges by welding of SORF, BS-10, Table – F, 150 lb (including gaskets, nuts, bolts, washers) of following sizes : 4" NB	8 Nos		
3.1	3" NB	4 nos		
3.2	2" NB	20 nos		
3.3	1.5" NB	3 nos		
4.	Providing and fixing of 4" NB, Butterfly valve, PN-16, S.S. Disc, S.S.pin, after cutting in existing insulated pipe line.	2 nos		
5	Supply and fixing (by screws) of G.I. Sheet, 22 G thick, Blank off around 4 nos of above AHU cooling coil for stopping of bypass of air.	3 sqm		
6	**Thermal Insulation** by providing and fixing of 2" thick EPS of density 28 kg/cum, CPRX coating on MS pipe (size-2.5"-4" NB as above, flanges, butterfly valves) and inside of EPS section, 18 G wire lacing at a distance of 500 mm, 250 micron thick polythene sheet with 2" overlapp on joints, and aluminum cladding of 24 G with 2" overlapp on joints. Pipe Size - 4"NB	3 RM		
6.1	Pipe Size - 3"NB	3 RM		
6.2	Pipe Size - 2"NB	8 RM		
6.3	Butterfly Valves – 4" NB	2 nos		

S. No.	**Description of Items** **(The quoted price shall include DSITC of all the items mentioned below and detailed Scope of Work and Technical Specifications, NIT)**	Qty.	Unit Price	Total Cost
6.4	Butterfly valves – 2" NB	12 nos		
6.5	Balance Valve / 3 way valve – 2" NB	2 nos		
7.	**Dismantle and refixing of (fabrication and labour work only) ,** Insulated MS Pipe-2" NB (dismantle rate only, refixing rate is in quoted item – 3.3)	7 RM		
7.1	Butterfly valves, Size: 2" NB	7 nos		
7.2	Balancing valve, Size – 2" NB	1 nos		
7.3	3-way valve, Size: 2" NB	1 nos		
8	Industrial Glass thermometer of 0-60 degree C. with MS heavy long threaded Socket and brass Thermowell suitable for installation on M.S. Pipe line.	8 nos		
9	Pressure Gauge 6" Dial, 0-7 kg/cm2. with threaded S.S. Socket, S.S. Ball Valve (Shenco), S.S. U-tube, M.S. Heavy long threaded Socket welded on pipe etc.	8 nos		
10	Supply and fixing of AHU cooling Coil support (4 Nos) HDG (Hot deep Galvanised) Channel – 100 x 50 x 7.5	18 M		
11	Buy back offer of AHU cooling coils as following: 10.1 - **AHU- Sub Station** : Fin Length-48", Fins Height-47", Fins depth-6.5", Rows-6, Circuits-38 nos, Header-2.5", Tube dia : 1/2"	1 nos		
11.1	**AHU- HCI :** Fins Length-96", Fins Height-60", Fins depth -6.5", Rows-6, Circuits-48 nos, Header-4", Tube dia : 1/2"	2 nos		
11.2	**AHU-2/PH-2 :** Fins Length-70", Fins Height-48", Fins depth -6.5", Rows-6, Circuits-38 nos, Header-3", Tube dia. : 1/2"	1 nos		
12	Buy back offer for M.S. Scap	150 kgs		
13	Disposal of malba (insulation, cement etc) out of the site.	Lot		
14	Total (Excluding GST)			

NOTE:

1. It is entirely contractor's responsibility to take dimensions, sizes, quantity from site, design the system, and take IUAC's engineer's approval before actually bringing the material to site.

2. In case of ambiguity in specifications mentioned in BOQ/Data Sheet/ Scope of work/Technical specification, the superior of all will be applicable. IUAC Engineer-In-charge

decision will be final.

3. Kindly note that final payment shall be made as per the actual quantities installed. For this a joint measurement of the IUAC and the contractor will have to be taken. The responsibility and the facilitation for taking the measurements will rest with the contractor.
4. Statutory charges, if any, must be specifically indicated by the bidder.
5. Transportation and disposal of dismantled materials in compliance with applicable local environmental and safety regulations. The safe disposal of scrap items away from the site to be done within 15 days of dismantling work or else Rs. 10,000 per week will be levied as holding charges.
6. IUAC will not provide any GST bill/invoice towards the Buyback of scrapped MS piping etc...IUAC will only issue Gate Pass for buy back items. Bidder has to consider this while quoting amount against credit towards Buy back.
7. Final evaluated cost will be considered for price comparison among the participating bids only. Every bidder has to mandatorily quote all items in BOQs.

Signature of the Bidder

Name
Seal of the Company