IHUB-DATA
International Institute of Information Technology
Hyderabad

Notice Inviting Tender (NIT) under Two-Cover Bid System

For supply of

Supply, Installation, Testing & Commissioning of Cold Aisle Containment in Data Centre
IHub-Data office,
International Institute of Information Technology
Hyderabad.

Tender No.: IHUB-Data/Purchase/2021-22/07; Date: 10 March, 2022
Sealed quote should reach to the below address on or before 31 March 2022, by 3pm.

Chair
IHUB-Data Purchase Committee
IIIT Hyderabad
Professor CR Rao Rd, Gachibowli, Hyderabad,
Telangana 500032, India.

INTRODUCTION

The IHUB-Data (henceforth referred to as the Purchaser), IIIT Hyderabad is planning to procure Cold Aisle Containment and installed, tested and commissioned at Data Centre. Bids are invited from bidders in two-cover format, as per the bill of quantity (BoQ) in Annexure-1.
1. BIDDER’S ELIGIBILITY CRITERIA

1.1) Bidder should be an OEM or its authorised vendor. The bidder should submit documentary proof that he is authorised by the OEM to supply the equipment.

1.2) The bidder should have a track record of having previously supplied similar equipment to Central/State Government or other reputed firms. Purchase order copies of previous installations are required along with customer contact details.

1.3) In the technical bid, the bidder should clearly demarcate the responsibilities between the OEM and the bidder. Complete details of the same have to be submitted in the technical bid. However, for complete supply and installation, the bidder shall be responsible.

1.4) The bidder has to provide an undertaking on the official letter-head of the company that it has not been blacklisted by any department or undertaking of the Central or State Government department/Public Sector Undertakings (PSU)/Public Sector Enterprises (PSE)/Banks in India.

1.5) The bidder (along with the OEM) should be in a position to demonstrate their competence and capability (with sales office and service centre based in Hyderabad), as a team, to deliver all the services expected during the period.

2. SUBMISSION OF BID

2.1) The offer should be in the two-bid system in a two-cover format – i.e., “Technical bid” and “Commercial bid”. Last date of submission 31 March, 2022 before 3pm.

2.2) Technical bid must contain only the technical details. This part must not include price offered by the bidder. The price must be mentioned only in the commercial bid part.

2.3) Late or delayed tenders shall be summarily rejected.

2.4) Bidder(s) must submit their PAN issued by Income Tax authorities, TIN, and a copy of the PAN / TIN with the bid.

2.5) Bid document(s) and all enclosures must contain the name and address of the bidder, as well as the signature and seal of the authorised representative of the bidder.

2.6) The Bank/RTGS details on the letter-head of the bidder(s) must be submitted along with the tenders (technical bid). A copy of the cancelled cheque should also be attached.

3. TECHNICAL BID

The technical bid should contain the following:

3.1) Overall compliance statement indicating adherence to each and every clause in the terms and conditions, as per Annexure-II.
3.2) Detailed technical description of the products and datasheets for the specific configuration options quoted.

3.3) A letter from the OEM authorizing the bidder to bid for this tender.

3.4) It is mandatory that the Bill of Quantity (BoQ) adequately covers all necessary equipment. The bidder is required to indicate, by filling in Annexure-I, whether each line item in the BoQ is quoted.

3.5) Technical proposal should contain un-priced detailed BoQ.

3.6) Part numbers for all the quoted products should be specified.

4. COMMERCIAL BID

4.1) The commercial bid should contain details of the prices for each of the subsystems (including the software licenses), clearly mentioning the rate and the quantity. Price quoted should be inclusive of all taxes, delivery and installation charges at IHUB-Data, IIIT, Hyderabad.

4.2) Price must be offered only in the prescribed priced bid format for all the line items (Annexure III).

4.3) Price should include all discounts applicable to research institution

4.4) Prebid Meeting date: 28 March 2022

5. INSTALLATION

The total solution consisting of supply and installation, as per the PO (Purchase order), should be completed within ___ weeks after receiving firm PO from IHub-Data.

6. WARRANTY AND OEM SUPPORT CONTRACT

6.1) The bidder/OEM shall be fully responsible for the warranty period.

6.2) Preventive maintenance and repairs supplied by the bidder are the responsibilities of the bidder.

6.3) OEM support contract should be for a period of ___ years from the date of acceptance of the equipment.

6.4) While the support contract is valid, the bidder/OEM shall attend to all the problems on site and shall replace the defective parts at no extra cost to the purchaser within 2 working days after reporting the issue.
6.6) Performance security guarantee through any nationalized bank in India for 10% of the total purchase order amount shall be given by the selected bidder to the Purchaser (DD favoring “IIIT-H DATA I-HUB FOUNDATION”). Format of the performance security guarantee will be given by the purchaser at the time of issuing the purchase order.

6.7) OEM/bidder shall clearly specify the conditions over which the service obligations will be void. Detailed document regarding warranty conditions and applicability should be submitted along with bid with a declaration of accepting the warranty conditions of the purchaser.

7. GUIDELINES

7.1) Regarding any clarification on technical aspects or any other issue, a pre-bid meeting will be held on a date and time will communicated through email, if any, may only be submitted to the email ID dy.manager@ihub-data.iiit.ac.in before the pre bid meeting. No queries will be entertained after the pre-bid meeting.

The changes in the tender, if any, made after pre-bid meeting, would be published on the IHub-Data website https://ihub-data.iiit.ac.in/.

7.2) Delayed and/or incomplete tenders are liable to be rejected.

7.3) The technical bid should not contain any price information. Non-conformance will result in disqualification.

7.4) All pages of the technical bid should be duly signed by the bidder.

7.5) The bidders are requested to go through the terms and conditions detailed in this document, before filling out the tender. Agreeing to the terms and conditions of the tender document (by signing all pages of the copy of the tender document) is a mandatory requirement.

7.6) Award criteria: the two-cover system will be followed; the technical and commercial bids will be opened:

(i) Commercial bids of technically qualified bids alone will be taken up for further processing. Decision of IHub-Data will be final and binding.

(ii) IHub-Data will award the contract to the bidder whose technical bid has been determined by the Purchase Committee to meet technical evaluation criteria, and who has offered the lowest evaluated bid price.

7.7) IHub-Data reserves the right to accept or reject any bid, and to cancel the tender process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for the IHub-Data action.

7.8) The Director/Academic Head, IHub-Data, IIT Hyderabad reserves the right to modify the technical specifications or the required quantity at any time.

7.9) Any disputes will be under jurisdiction of Hyderabad
The bid must be addressed to “The Chair, IHub-Data, IIT Hyderabad Purchase Committee” and the hard copy should be submitted via post or in person to – “IHub-Data Purchase Committee, IIT Hyderabad Professor CR Rao Rd, Gachibowli, Hyderabad, Telangana 500032”. In addition soft copy should be emailed to dy.manager@ihub-data.iiit.ac.in

7.11) Contact: any queries or requests for clarification must be directed (through email only) to dy.manager@ihub-data.iiit.ac.in

8. COMMERCIAL TERMS AND CONDITIONS

8.1) The commercial bid should contain, among other things, payment terms, warranty, installation, and commissioning charges. These charges will be paid only after successful supply, installation and acceptance.

8.4) Price should be quoted per unit and the total amount for the required quantity should also be quoted.

8.5) Offer should be valid for 60 days from the date of submission.

8.6) EMD for Rs. 2,50,000 should be submitted in a separate cover along with the technical and commercials bids (total 3 covers to be submitted).

8.7) EMD of unsuccessful bidders will be returned back after tending.

9. PAYMENT TERMS

9.1) Payment terms 50% after delivery, 25% on Installation / acceptance / submission of bank guarantee and warranty certificate and balance 25% on handing over.

9.2) The performance security guarantee deposit will be returned after successful completion of one year after installation.
ANNEXURE –I

Technical Specifications

Cold Aisle Containment (CAC) Technical Specifications:

CAC SLIDING DOUBLE DOOR:

1. Sliding double door with Top hung for entering Cold Aisle (Containment area) using Fire retardant UL-V-0 certified Polycarbonate transparent plastic sheet with 4 mm thickness.

2. Rigid and fastened to floor (raised), Box pipe Aluminium section of thickness 1.2 to 1.8 mm which would be acting as support member to the entire door structure assembly.

3. Aluminium 6063 alloy used for door framing and support structure will hold total thickness of 1.6mm with Black powder coating (RAL 7032 texture) supported with chromicizing process which will ensure durability in long run.

4. D type handles for easy grip and helps in smoother operation to user.

5. Customized door sizing available, dimensions of which will be designed with reference to racks available on site.

6. Total door opening with approximate width of 1150mm to 1200 mm (+/- 5% tolerance). available. Door leaf to be open at left and right side as per clearance at site. In case of Pull/push door, door will be pulled & pushed in & out direction of the aisle, the door will open in outer direction of aisle while opening & will be pushed towards aisle while closing.

7. Fire retardant UL-V-0 certified Polycarbonate sheet with thickness of 4 mm and total transparency of 95% to 98% to be used as it will provide the viewing into Cold aisle containment.

8. The door will have semi-automatic opening and closing mechanism, the operation will be supported with use of spring based pneumatic pump.

9. One door when opened the second door will automatically open and when the applied pressure is released both the doors will get back to its original position.
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Dual DOOR SOFT CLOSING KIT:

1. Automatic closing by using spring and air braking (pneumatic pump) to achieve smooth closing using air cylinder.
2. Door opening shall be manual. Door can be varied to certain extent. Door shall open up to 1200 mm and shall have hold open function when opened to 1200mm, this feature won’t be available in pull/push door.
3. The door opening mechanism will be such that, if one door leaf is opened with certain pressure by user, simultaneously the other door leaf will have an opening effect due to metal string and ball bearing attachments, this doors will hold itself at open position as it has locking feature at door ends. And also will close itself automatically regaining its actual position when user applies certain pressure in opposite direct to which door is willing to close.
4. The soft closing kit will have operating feature to manually adjust the speed of door closing and opening based on user requirement based on pressure applied for door opening.

Dummy Rack Panel / Vertical panel

1. Fire Retardant panel at location where rack is absent / for future use. UL V-0 Multiwall polycarbonate 6 mm sheet.
2. Customized Dummy rack panels will also be used besides the door structure to block the air passing within the containment from cold aisle to hot aisle and vice versa (this arrangement is subjected to site requirement), not is case of JWC BKC site.
3. Dummy panels mounted will be in accordance to the rack for the said cold aisle enclosure with support taken from the top panel frame and false floor.
4. Aluminium Frame with silver Anodized / Powder Coated (RAL 7032 texture) along the perimeter. Each 600 or (100 to 580) mm width by length as per site HAC height but not more than 2500. Transparency.
5. The dummy panels will have drill free operation only at place where rack is absent, in order to place panels beside door structure fixing of dummy panel will totally depend on site condition and nature of air flow.
6. Vertical panels will be mounted below top panel, the dimension of same will be 600mm W x 152mm H, the sheet will be of 3mm polycarbonate sheet along with aluminium framing.

Top Panel

1. Customized 3 mm ULV-0 Polycarbonate sheet, 90% to 98% transparency rate, sized in accordance to the rack for the said cold aisle enclosure with supported with L frame aluminium section and frame later fixed to true ceiling or grid ceiling. Aluminium patented section on perimeter with powder coating. (RAL 7032 texture)
2. Cold aisle containment will start from the front of the racks. Racks shall be placed in accordance as per air flow.
3. Polyurethane (PU) foam/rubber sleeves with 10mm overlap on rack. The panel mounted will hold continuous length as per the aisle designed which will be in line with rack placements across the cold aisle, irrespective to any hinderance created due to presence of pillar or column in between.
4. Panel will be structured exactly above rack height level which will help to block air and create barrier between cold / hot air maintaining its segregation and avoiding any sort of short cycling, which will in return increase the cooling efficiency, upholding the life of HVAC units.
CAC designed aluminium section can be used to cater multiple requirements such as the section used will act as a supporting element to hold the dummy panels, can be used as a reference frame for internal HAC lighting, will majorly provide drill free and time saving panel

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<tr>
<th>Description</th>
<th>Qty</th>
<th>Unit</th>
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<tr>
<td>Openable or Sliding Double Door for entering Cold Aisle (Containment area) using ULV-0 polycarbonate sheets with 4 mm thickness as a viewing structure. Aluminium Frame with Black Powder Coating with door opening of around 1120 to 1200 mm (+/- 5%)</td>
<td>2</td>
<td>Nos</td>
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<td>Spring and Gas based door closing kit for sliding door closing attachment. This shall be attachment for soft close the door after the same has been opened manually</td>
<td>2</td>
<td>Nos</td>
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<tr>
<td>Customized Fire Retardant Rigid UL V-0 Plastic 3 mm sheet cut in accordance to the rack for the said cold aisle enclosure with support taken from the false ceiling. Transparency high.</td>
<td>80</td>
<td>SQ.FT</td>
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### Racks Technical Specifications:

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<tr>
<th>Sl. No</th>
<th>Description</th>
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<tr>
<td><strong>1</strong></td>
<td>TECHNICAL SPECIFICATION FOR 42U SERVER RACK:</td>
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<td>Racks manufactured out of steel sheet punched, formed, welded and Powder coated</td>
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<td>Rack should be from ISO 9001:2008 Certified Company &amp; UL Listed</td>
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<td>Standard for Racks configuration will be welded frame with side panel and vented top cover</td>
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<td>Rack should have Front Single Perforated Door &amp; Rear Dual Perforated Doors.</td>
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<td>Rack should have provision to mount racks on Floor</td>
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<td>Rack should be 42U (1U = 44.45 mm) in Height.</td>
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<td>It should be 600MM Wide 1200MM Deep &amp; 800MM Wide 1000MM Deep and Overall height should not exceed 2020 MM.</td>
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<td>Rack should Conforms to DIN 41494 or Equivalent EIA /ISO / EN/CEA Standard</td>
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<td>Rack should have Adjustable mounting depth,</td>
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<td>Rack should have 4 No Adjustable, 19” verticals with Punched 10mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.</td>
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<td>Rack should have Numbered U positions,</td>
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<td>Rack should have 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)</td>
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<td>Powder coated finish with seven Tanks pretreatment process meeting IS</td>
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<td>Rack should have Proper Grounding &amp; Bonding</td>
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<td>Rack should have 4Fan module Mount Provision on top Cover</td>
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<td></td>
<td>2 No's of power distribution unit, 1Ph, 230V, 32A, 50/60Hz, Zero U standard with 20 X C13 &amp; 4 XIEC 19, 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black / Inlet Plug Not Installed</td>
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<td>Rack should have provision for cable entry Exit from Both top &amp; Bottom.</td>
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<td>Rack should have 2 Packet of mounting hardware, Pack of 20.</td>
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<td>Sl.No</td>
<td>Criterion</td>
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<tr>
<td>1</td>
<td>Letter from OEM that the bidder is authorised to supply the equipment</td>
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<td>2</td>
<td>Whether the bidder has supplied similar equipment to Govt institutes or reputed firms and whether documentary proof attached</td>
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<td>3</td>
<td>Declaration that the bidder is not blacklisted by any Govt entities in India</td>
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<td>4</td>
<td>Detailed technical specifications and datasheets for all line items</td>
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<td>5</td>
<td>Terms for hardware/software licensing, updates and support clearly stated</td>
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<td>6</td>
<td>BoQ compliance sheet filled in and a copy of masked commercial bid attached</td>
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ANNEXURE -III: Price Bid Form

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<tr>
<th>Sl.No</th>
<th>Product ID</th>
<th>Description</th>
<th>Qty</th>
<th>Unit Price (INR)</th>
<th>Taxes (%age ___)</th>
<th>Total Price (INR) incl. taxes</th>
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All the vendors should quote using the above format only else will be disqualified.