



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति  
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

Date:18.02.2026.

Pre-Bid Minutes

**Name of Work: HVAC Reconfiguration Comprising Dismantling and Re-deployment of Existing Air Handling Units with Capacity Augmentation, Provision of Ceiling Suspended Air Conditioning Units, and Ancillary Infrastructure and Interior Furnishing Works at IISER Tirupati, Yerpedu.**

Tender No: IISERT/Engg/2025-26/05 dated 14.02.2026

Attendees-

Prospective Bidders:

S.No.	Name	Agency Name	Mode
1	Mr. P. Vinay Kumar	M/s Integrated Cooltech Pvt.Ltd.	Online
2	Mr. Sudhakar	M/s Integrated Cooltech Pvt.Ltd.	Online
3	Mr. Srinivasulu	M/s. MJS AIRCON SYSTEMS.	Online

Representatives from Institute:

- Mr. Antony Joe CV, Assistant Engineer (Civil), IISERT.
- Mr. George Srujan V, Executive Engineer (Electrical), IISERT.
- Mr. V Srikanth, Technical officer (IT), IISERT
- Mr. T. Kesav Das, External Member, EE (Electrical), IIT Kanpur- Online.

The Following are the queries and respective clarifications in the Pre-bid meeting held on 18.02.2026 through Hybrid mode:

S.No.	Tender Page No.	Tender Condition	Query /Clarification Requested	Clarification
1	Page No. 10 Point No.3.2	In case the similar work done specified as eligibility work is for other than Govt (State,Central,PSU)agency/organisation, the Income tax return statement indicating the necessary details for the same shall be submitted for consideration.	For private Jobs proof can be order and completion certificate & proof of income tax statement?	Private works will be considered only if supported with Work Order, Completion Certificate, Invoice, and proof of payment reflected through ITR/Govt. tax document (TDS or equivalent). CA certification may be submitted. Additional document may be sought for verification by the committee if required.
2	Page No.12 Point No. 08	Bid Security/ Earnest Money Deposit (EMD): All other bidders should submit an EMD of Rs. 22,88,464.75/- in the form of DD/ NEFT /RTGS.	Is MSME exemption is applicable for EMD & Tender fee?	EMD exemption is not applicable for works contract.
3	Page No. 69 Point No.1(e)	The entire works in the Young Scientist Lab (UG block) to be carried out in a phased manner based on the shutdown availability and labs operation. Bidder to plan the works accordingly.	Allowed Working hours and days as we need work in occupied areas please let us know any areas that are not occupied. This will help us for our labour cost & time. In tender it is mentioned as execution to be done in phases.	All labs are occupied. No change in Tender condition.
4	Page No. 68 Pont No.1(C)	Dismantling of supply and return air ducts including inside lab area ducts and reutilizing the ducts in indoor sports complex. These ducts should be carefully removed in order to reutilise to the maximum possible extent.	Do we need to remove the ducts those cannot be reused as per design	Yes, all the ducting to be removed.
5	Page No. 69 Point No.1(f)	Vendor to inspect the existing used spare 3 nos 16 HP & 1 no 6 HP Daikin make VRV condensing units and to take up the required repairs including required PCBs etc .	Repair requirement for existing VRV units	The units were maintained in good condition under the AMC. However, they have remained idle for 6–8 months. Their current condition shall be jointly assessed at the time

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				of execution. If any major repair is required, it will be paid by the Institute.
6	Page No. 64 Point No.22	For materials other than bulk materials, a separate container or shed need to be installed at the campus and no space within the existing building will be given. The whole responsibility of loading unloading and security to the material is within the scope of the bidder.	Storage space provision	Contractor must arrange their own storage and protection of materials.
7	BOQ Item No.08	Supply, Installation, Testing and Commissioning of VRV Ductable Units comprising DX cooling coil, DIDW centrifugal fan with multi speed motor, insulated casing insulated rain pan, required PCB , The indoor units shall be suitable to work on cooling mode. The indoor units shall be suitable for operation on 220 ±6% volts, 50Hz, 1 phase AC power supply. The indoor unit shall be complete with pre filter & with wireless remote as per requirement .. This includes N2 pressure testing of the entire system covering Out door units, refrigerant piping and this indoor unit. the price included the fire retardant canvas connection , vendor to study the Lab areas and to design the suitable system and location of equipment so as to ensure that systems will	Confirm the model of outdoor unit	The VRV Ductable units should be compatible with existing outdoor units of Daikin make Model no: RXQ16ARY6

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		<p>have a proper service and maintenance access with good aesthetic appearance. Placement drawings should get approved by engineering In charge. 5.5 TR with external static of minimum 76 pascals, minimum air qty of 1925 cfm, as per OEM nominal capacity. unit to be suitable with existing Daikin make VRV condensing comprising of all accessories as per the specifications. The work should proceed as per the given schedule, in phases, considering shutdown availability and UG block lab operations. (Make will be same as of Outdoor) <b>Make: Daikin</b></p>		
8	BOQ Item No.16	<p>Lifting, Installation, Nitrogen testing , Vaccuming and Commissioning of existing above serviced Daikin make air cooled variable refrigerant flow modular type condensing units, supply and , outdoor units to be mounted with suitable Vibration Isolation pads to avoid vibrations. The quoted price shall be inclusive of all transportation, lifting, shifting from Research block to the sports block terrace etc as required for the following capacities.Nothing extra shall be paid. <b>Make : Daikin Model No.</b></p>	<p>Please confirm the outdoor unit model number?</p>	<p>The outdoor unit is Daikin make 16HP Capacity Model No. RXQ16ARY6 &amp; 6HP Capacity Model No. RXQ6ARY6.</p>

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9	BOQ Item no:12	Removing existing ducts from UG block terrace in a safe manner and shifting of these ducts to the new proposed location. Proper cleaning of those ducts and use them to the max extent possible in the new design. Agency has to clean the terrace area after removal of the ducts. Vendor to provide detailed sheet of usaged quantity along with drawings for exection. Executed quantity will be considered for the payment.	Please confirm “Executed quantity” will be considered for the payment	The total quantity of existing ducts removed will be considered as executed quantity.
10	Page No. 36 Form H	Declaration about site visit	Site visit required ?	Site visit is mandatory to access the scope of work
11	BOQ Item no:57.1	Providing and placing Desk Based Workstations with following specifications: Understructure, Screen and Cable management : Desk based system worktop supported on understructure made of MS Leg with arch share design as per the image in the specification of sleek section size 60 x 12 mm where Structure made from cold rolled steel,thickness min 1.2 mm. Epoxy powder coated spray paint, baked at temperature 200 C° coated of 70-80 micron thickness. Powder coating should be scratch resistance (cross hatch test 6x6 grid method). Screen :28mm thick offset Fully	Correction	Providing and placing Desk Based Workstations with following specifications: Understructure, Screen and Cable management : Desk based system worktop supported on understructure made of MS Leg with arch share design as per the image in the specification of sleek section size 60 x 12 mm where Structure made from cold rolled steel,thickness min 1.2 mm. Epoxy powder coated spray paint, baked at temperature 200 C° coated of 70-80 micron thickness. Powder coating should be scratch

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		<p>aluminium frame screen with Combination of Fabric Pinup &amp; marker board , and screen height of 360mm above the top.</p> <p>Wiremanagement: Completely concealed wiremanagement with vertical wire uptake from floor via MS power pole having removable cover one side and wire separator for data and wire separation (for both the sides of the table), segregates to horizontal cable tray below aluminium flipper with soft closure Epoxy powder coated spray color, baked at temperature 200 C°. Raceways contain the horizontal cable channel that fitted with a modesty panel tidily and effectively with appropriate depth. Epoxy powder coated spray paint, baked at temperature 200 C° coated of 80-90 micron thickness. Powder coating should be scratch resistance (cross hatch test 6x6 grid method) Worktop :Worktop Made of 25mm thick E-1 grade particle board finished with 2mm PVC edge banding. E1 grade laminate with zero urea formaldehyde emissions (&lt;or= 8mg/100 g oven dry board-perforated method) for better in-house air quality. This should comply with (EN 120-1992). The exposed edge of worktop shall be secured with 2mm</p>		<p>resistance (cross hatch test 6x6 grid method). Screen :28mm thick offset Fully aluminium frame screen with Combination of Fabric Pinup &amp; marker board , and screen height of 360mm above the top.</p> <p>Wiremanagement: Completely concealed wiremanagement with vertical wire uptake from floor via MS power pole having removable cover one side and wire separator for data and wire separation (for both the sides of the table), segregates to horizontal cable tray below aluminium flipper with soft closure Epoxy powder coated spray color, baked at temperature 200 C°. Raceways contain the horizontal cable channel that fitted with a modesty panel tidily and effectively with appropriate depth. Epoxy powder coated spray paint, baked at temperature 200 C° coated of 80-90 micron thickness. Powder coating should be scratch resistance (cross hatch test 6x6 grid method) Worktop: Worktop Made of 25mm thick E-1 grade particle board finished with 2mm PVC edge banding. E1 grade laminate with zero urea formaldehyde emissions (&lt;or= 8mg/100</p>



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		<p>thick PVC edge banding tape of approved colour. The height of Worktop shall be 740-760 mm from ground level. The particle board should be E-1 Grade with pvc edge banding. (the shade &amp; design of the laminate, edge banding, powder coating, fabric will be finalized by the engineer in charge)</p> <p><b>Linear Work station 1200Wx600Dx1050H</b></p>		<p>g oven dry board-perforated method) for better in-house air quality. This should comply with (EN 120-1992). The exposed edge of worktop shall be secured with 2mm thick PVC edge banding tape of approved colour. The height of Worktop shall be 740-760 mm from ground level. The particle board should be E-1 Grade with pvc edge banding. (the shade &amp; design of the laminate, edge banding, powder coating, fabric will be finalized by the engineer in charge)</p> <p><b>Item 57.1 corrected: Back-to-back workstation – 1200Wx1200Dx1050H mm each side with center partition.</b></p> <p><b>(The change in dimension shall be applicable in Specification page no.101)</b></p>

Sd/-  
**Executive Engineer(E)**  
IISER Tirupati