



Corrigendum-1

Tender No. : . IITKGP/RAC/ATDC-1/2026 -27/1 DATED 28.04.2026

Name of the Tender: **Supply, Installation, Testing & Commissioning of 2X21TR Air Cooled Inverter Scroll Type water chilling AC at ATDC-1,E&EC Dept. of IIT Kharagpur**

Pre bid meeting held on 6TH May ,2026 at 11am in Meeting Room of RAC Unit, Old Building IIT Kharagpur.
Connection with the above mentioned tender and following changes have been made:

Sl. No.	Subject	Shall be replaced as
1.	<p>Outdoor design condition is 110°F (43.3°C) DB summer. However, the equipment data sheet asks for "Capacity of chiller at Ambient of 105°F" (40.6°C), & the user-provided data mentions "Ambient Air temperature : 35°C [Cooling]". The performance figures (COP 2.6, IPLV 5.1) are tied to an ambient that is unclear.</p> <p>Which ambient temperature shall be the rated capacity point? Must the chiller deliver 21 TR net cooling at 110°F / 105°F / 95°F (43.3°C /40.6°C/35°C) (as user suggests)?</p>	<p>The chiller cooling capacity should be rated at 35 Deg C ambient condition.</p>
2.	<p>Chilled water temperatures are written as "12°F/7°F", which is physically impossible for comfort cooling. The tender does not explicitly state leaving/entering water temperatures.</p> <p>Confirm chilled water design temperatures: Inlet 12°C/Outlet 7°C (standard). Is this correct?</p>	<p>Chilled water design temperatures: Inlet 12°C/Outlet 7°C</p>
3.	<p>Tender page 19 specifies "High-efficiency plate/shell & tube heat exchanger" and later "efficient plate heat exchanger". User specifies "High efficiency DX Shell & Tube Heat exchanger Evaporator".</p> <p>Clarify the acceptable evaporator type: shell-and-tube, brazed plate, or either? Specifically, is a DX shell-and-tube compulsory, or is a plate-type acceptable?</p>	<p>As per NIT</p>
4	<p>Tender says "The unit shall have electronic/solenoid expansion valve." This is ambiguous.</p> <p>Please confirm the type of expansion valve.</p>	<p>As per NIT</p>
5.	<p>Condenser fins shall have factory-applied coating equivalent to Blygold, with a valid certificate for ≥10,000 hours salt spray (ISO 21207, ASTM B117) endorsed by TUV. Many OEMs use their own coating brands (e.g., Daikin "Anti-Corrosion Treatment", Carrier "Weather Shield", etc.).</p> <p>Will an equivalent coating with a test certificate from an accredited lab (not necessarily TUV) be acceptable, provided it meets the same salt spray hours? Must the coating be applied at the OEM factory, or is site-applied coating acceptable?</p>	<p>As per NIT</p>
6	<p>Requirement: "Chillers supplier should be the manufacturer of compressors used in Chiller."</p> <p>Please confirm whether this means the chiller OEM must be the</p>	<p>As per NIT. However the following makes of the compressors are also acceptable- Copeland, Bitzer, Danfoss</p>

	original manufacturer of the scroll compressors installed in the unit (i.e., own compressor brand), or if the OEM must procure the compressor from a well-known compressor manufacturer (e.g., Copeland, Ditzler, Danfoss) and is responsible for its integration. This drastically limits eligible makes.	
7	<p>The scope includes "Buy Back for old existing water cooled Package AC, pumps, cooling tower, pipes etc." (Item 24), but no description of quantities, condition, or minimum buy-back value.</p> <p>Provide complete list of equipment to be dismantled and bought back, including make, model, year, and condition. Is there a minimum reserve price expected for the buy-back?</p>	As per NIT
8	<p>Payment is staged (70% supply, 20% installation, 5% ommissioning, 5% after DLP). No mobilization advance.</p> <p>Considering the capital-intensive nature of 2x21 TR chillers, is there any provision for mobilization advance?</p>	As per NIT
9	<p>Non-billable civil & electrical works: "Opening / Closing / Making hole in existing Masonry wall / Concrete / Glass structure & finishing it good."</p> <p>Quantity and nature of such non-billable works are unknown. Please provide site drawings/photos to assess the cost burden. What is the maximum permissible cost that the contractor is expected to absorb?</p>	As per NIT
10	<p>Refrigerant is not specified in the tender document. User indicates "The Chillers shall be charged with R410a / R32a Refrigerant."</p> <p>Confirm the acceptable refrigerant: R-410A or R-32? Note that R-32 is mildly flammable (A2L) and may require special safety measures.</p>	As per NIT
11	<p>Chiller shall have Eurovent / AHRI certification.</p> <p>Please confirm whether AHRI / Eurovent certification for Chiller is mandatory, or Chiller shall be tested as per AHRI.</p>	As per NIT.
12	<p>Time limit is 120 days. This includes supply of chillers (likely 8-10 weeks order delivery), dismantling old plant, civil work, piping, ducting, electrical, commissioning.</p> <p>Requesting to extended the time limit 150-160 days to account for OEM chiller manufacturing lead times (typically 10-12 weeks) and sequential decommissioning without disrupting lab operations / Considering the site readiness.</p>	As per NIT.
13	<p>Proposed OEM Inclusion</p> <p>We request the committee to consider Kehems as an approved OEM for the chillers. Kehems is a "Make in India" manufacturer with a factory in Indore and has been operating in India for over 25 years. (Briefing about OEM as attached)</p>	As per NIT.

All other terms & conditions remain unaltered.

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