

REPLIES TO PREBID QUERIES			
S. No	Tender Specs/Clause	Query	Reply
1	For #2 Water Chilling Unit of 165 TR,	Please advice if the equipment needs to be AHRI Certified?	For 240TR, the chiller should be AHRI certified, and for 165TR chiller its not required. Please follow as per BOQ.
2	For #2 Water Chilling unit of 165 TR	Please advice if the condenser inlet and outlet temperatures need to be 37.78 deg C and 36.4 deg C? We recommend the condenser inlet temperature to be 32 deg C and the delta should be 4 deg C	Condenser IN/OUT temperature will be 32.2/36.4deg C.
3		Please confirm the max pressure drop in the evaporator (5m) and Condenser (7m)? Can it be changed to 10m in the evaporator and 10m in the condenser?	Max pressure drop for Chiller remains same as max 5m and for condenser shall be max 10m.
4		Please clarify if the BMS integration could be on Modbus/ RS 485 or Modbus / TCP IP?	The BMS integration would be on TCP IP.
5		For non-chemical water treatment system, is there an option of choosing a different vendor?	Please follow tender makes only.
6		Capacity control from 20% to 100% (Page 33) of the tender document. Please note, the multiple compressor chillers with vfd can be staged from 15% - 100%, however single compressors on vfd can be staged from 25% - 100%. Please advice if modification can be done on this.	Ok Please follow 25% to 100%.
7		As per tender documents, AHRI certification requirement is not mentioned for 165 TR Chiller . We request you to include the same for 165 TR Chiller .	Only 240TR should be AHRI certified and not required for 165TR.
8		COP of chiller - Current COP 5.4 is mentioned in the tender. We request you to consider minimum 6.1 COP keeping in consideration efficiency and power savings.	Ok keeping efficiency in consideration, revise COP will be minimum 5.8 now.
9		Please clarify that chilled water In/out for 165 TR chiller is 32.2 degC / 36.4 deg C or 32.2 Deg C / 37.78 Deg C	Please follow IN/OUT for 165 TR as 32.2/36.4degC.
10		We request you to to consider Maximum permissible pressure drop for both Evaporator and condenser 10 meters as per CPWD guidelines.	Evaporator remain same as per BOQ and condenser will be max10m.
11		We request you to consider minimum IKW/TR of 0.66 for both the chillers	Please follow as per BOQ.
12		6.. Request you to consider " Chillers must get tested at AHRI Certified test bed at 100% Load condition to test COP. " .	Not required, but you should submit your data.

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13		We request you not to allow GB stamping . Heat exchangers (Evaporator and condenser) should be with ASME (U) stamping only.	Please delete GB stamping, and Follow ASME stamping only.
14		Kindly clarify if Water cooled Screw chillers are required with / without marine water boxes .	These are required Without marine box.
15		We request you to exclude Mono screw type compressor for the Chillers	Follow as per BOQ/tender.
16		We request you to accept the Sound pressure level at 1 m distance for 100% load upto 85 dbA. In tender, sound pressure mentioned is 84 dbA .	85dbA is acceptable.
17		We request you to consider capacity control from 25% to 100% in place of 20% to 100 % .	Ok
18		12. As per Page no 4, Clause no 7, Solvency certificate needs to be submitted .	Yes
19		Kindly confirm if we can submit a Solvency certificate issued in favour of another Organization by the Bank of required amount .	As per tender
20	As per Page no 24, Clause no 30.3	Arbitration procedure seems to be Sole as the statement says " The Director of the Institute shall appoint one person as the sole arbitrator.. We request you to consider Mutual Arbitration .	As per tender
21	Terms of payment	We request you to share Terms of Payment . Additionally, we request you to release 30% interest free advance payment .	Follow as per tender
22	WATER CHILLING UNIT WITH VFD (SCREW TYPE)>11 Compressor Pg No.34	Since compressor is considered heart of the chiller, hence for better serviceability and maintenance please accept compressor shall be same make as Chiller OEM.	Follow as per tender
23	WATER CHILLING UNIT WITH VFD (SCREW TYPE)> 4. Evaporator Pg No.35- Evaporator shall be manufactured, tested and stamped in accordance with ASME/GB Pressure Vessel Code.	To ensure ASME compliance, Please accept mandatory ASME (U) Stamping on both evaporator and condenser.	Follow as per tender

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24	II. WATER CHILLING UNIT WITH VFD (SCREW TYPE)>11 Certification Pg No.44- The Rotary Screw Chilling machine must be ARI certified.	As per program scope under AHRI Standards 550/590 (I-P) or 551/591 (SI) for Water-Cooled Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle (WCCL), Water Cooled Chillers below 200 TR are optional for participants to certify. Hence, we shall provide AHRI Certification on Water Cooled Chillers for 200 TR and above. Kindly accept. Source: https://www.ahrinet.org/certification/ahri-certification-programs/water-cooled-water-chilling-and-heat-pump-water-heating-packages-using-vapor-compression-cycle-wccl	Below 200TR AHRI certification not required.																				
25	1. Page. No 33 of NIT Point No. 2:-	Kindly Clarify if single compressor VFD Screw Chiller Models are acceptable for both 165 and 240 TR.	Multi/single both acceptable.																				
26	2. Page. No 35&37 of NIT Point No.4&5 and BOQ item No1 and 2 :-	Chillers are manufactured in accordance with ASME standards only. ASME Stamped chillers have more delivery time as compared to standard chillers. Thus we request you to kindly exclude the ASME / GB Stamping.	Please delete GB stamping, and Follow ASME stamping only.																				
27	Page. No 44 of NIT Point No.12:-	Kindly clarify weather factory testing of both 165 TR and 240 TR chillers will be done . Also clarify the no.of points on which factory tetsing will be done.	Factory testing may be carried out or Authentication undertaking of the OEM for test report would be taken.																				
28	Payment Terms:-	Since Payment terms are mentioned in NIT and all the work will be carried out as per CPWD norms so we are proposing payment terms as per CPWD Standard.	<table border="1"> <thead> <tr> <th>S.No.</th> <th>Stage of work</th> <th>Machinery & Equipment</th> <th>All other items</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>After Initial inspection (wherever specified) & delivery at site in good condition on pro-rata basis</td> <td>60%</td> <td>70%</td> </tr> <tr> <td>II</td> <td>On completion of pro-rata installation</td> <td>10 %</td> <td>20 %</td> </tr> <tr> <td>III</td> <td>On commissioning and completion of successful running in period</td> <td>5 %</td> <td>5 %</td> </tr> <tr> <td>IV</td> <td>On completion of major seasonal test</td> <td>5 %</td> <td>5 %</td> </tr> </tbody> </table>	S.No.	Stage of work	Machinery & Equipment	All other items	I	After Initial inspection (wherever specified) & delivery at site in good condition on pro-rata basis	60%	70%	II	On completion of pro-rata installation	10 %	20 %	III	On commissioning and completion of successful running in period	5 %	5 %	IV	On completion of major seasonal test	5 %	5 %
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29	Extension Time	Also we request you to kindly extend the bid submission date for a week i.e. till 31st July 2023.	Extended to 31/7/2023 by 3PM																				