



BHARAT HEAVY ELECTRICALS LIMITED  
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-1-Oct-20

CORRIGENDUM- 06

<b>PROJECTs</b>	<b>:</b>	<b>5X800 MW YADADRI TPS</b>
<b>PACKAGE</b>	<b>:</b>	<b>AIRCONDITIONING SYSTEM</b>
<b>ENQUIRY NO</b>	<b>:</b>	<b>PE/PG/YAD/E-6487/2020 Dated 11.08.2020</b>
<b>SUBJECT</b>	<b>:</b>	<b>DUE DATE EXTENSION</b>

Type of Corrigendum			
Technical Corrigendum -	<input checked="" type="checkbox"/>	Commercial Corrigendum -	<input type="checkbox"/>

Bidders are requested to go through the following changes:

1. Reply of pre-bid queries is enclosed.

All the other terms and conditions of the tender enquiry remain unchanged. All the bidders are requested to quote accordingly.

Yours faithfully,

For and on behalf of BHEL

Upendra Chaudhary  
Manager/BOP



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**Bidder Query:- Sub section C2 Customer Specification**

- a. **Clause 6.11: Insulation:** Specifications call for entire Chilled water pipeline including valves, chillers and pumps to be insulated with 39 mm thick aluminium foil faced nitrile rubber. However, the thickness available with the manufacturers is 32 mm (max.) for pipe sizes upto 100 mm dia. Moreover as per ASHRAE standards, not more than 32 mm thickness is required for aluminium foil faced material upto 100 mm dia pipes. For higher pipe sizes the thickness of insulation shall be 38 mm instead of 39 mm. Kindly clarify and confirm.

**BHEL Reply: Bidder to follow technical specification requirement.**

- Bidder Query:- b. Clause 3.12: Electrical work:** MCC, Local starter panels and PDBs and Local push button stations shall not be in our scope of supply. Kindly confirm.

**BHEL Reply: MCC & local push button stations is excluded from bidder's scope, Please refer "Electrical scope matrix between BHEL & Vendor" Section-I, Sub-Section C-3. However, Local starter panels, PDB's as indicated in the technical specifications shall be in bidder's scope.**

- Bidder Query:- c. Clause 3.01.07 & 6.05: Cooling towers:** a) There is a contradiction between specifications at both the clauses. One says cross/ counter flow, the other says Cross flow type. Kindly clarify.
- b) Distribution headers shall be PVC (FRP lined) instead of GI.
- c) Internals shall be of GI and not SS.
- d) All Cooling Towers with Direct driven electric motors instead of gear box.

**BHEL Reply: a) Cooling Tower Induced draft cross/counter flow type shall be acceptable. However, same shall be finalized during detail engineering based on end customer's acceptance.**

**b) Distribution headers shall be as specified in the technical specification.**

**c) Internals shall be as specified in the technical specifications.**

**d) Bidder to follow technical specification.**

- Bidder Query:- d. Clause no. 3.07.00: Smoke exhaust Fans:** Fan motors shall be designed for 300 deg C temperature for 2 hours as per standard manufacturing practice. Kindly confirm.

**BHEL Reply: Bidder to follow technical specification requirement as indicated in Cl. No.3.07.00.**

- Bidder Query:- e. Clause no.6.15: False ceiling:** The same shall not be in our scope. Kindly confirm.

**BHEL Reply: Please refer Section-I, Sub-section C1 Cl. No.8 regarding the scope of false ceiling.**

**Bidder Query:- 2. Sub section C4: Technical Specification (C&I portion)**

- a. You have provided the IO summary for Ventilation system. However, the mentioned ventilation system is not in our scope of supply and hence it is assumed that the IO summary for the same is just for reference purposes and not to be considered in our scope. The IO summary for Air conditioning system shall not form part of our scope of supply. Kindly confirm.



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**BHEL Reply:** Please note that as per technical specification, a common PLC system has been envisaged for the Ventilation and Air Conditioning system. The IO summary of the ventilation system has been provided for estimation of the PLC system (which is in bidder's scope). Further the IO List for the air conditioning system shall be decided by the bidder.

Corrigendum