



**BHARAT HEAVY ELECTRICALS LIMITED**  
**PROJECT ENGINEERING MANAGEMENT**

DATE:- 29/01/2016

PROJECT : 1 X 800 MW WANAKBORI TPP  
PACKAGE : AIR CONDITIONING SYSTEM  
Enquiry No. : PE/PG/WAN/E-5124/2015 Dtd. 18.12.2015  
Due Date : 10:00 AM, 15/02/2016

**Annexure-I**  
**Pre-Bid Clarifications**

SL.NO	Reference Clause of Tender documents	Pre-Bid Query	BHEL REPLY
1	BHEL SPECIFICATION PE-TS-408-553-A001 VOLUME: II B SECTION: C1 REV.00 CLAUSE: 2.1.1	The following area as specified to be considered for AC system. Please furnish drawings <b>1. Operating Floor</b> a) All labouratory rooms b) Telephone exchange room c) Conference room d) Library <b>2. Control Tower</b> a) Shift in charge room b) Engineers room c) Computer room	Drawing for operating floor is already attached. Please refer drawing number PE-DG-408-100-M005 R0. Drawing with internal details for all these area shall be furnished to successful bidder during detail engineering stage.
2	BHEL SPECIFICATION PE-TS-408-553-A001 VOLUME: II B SECTION: C1 REV.00 CLAUSE: 2.1.1 REFERENCE DWG:- PE-DG-408-553-A001	Please refer <b>Service building</b> , where as number of floors specified as 0.0m,4.25m,8.5m,12.75m. That is 4 floors. Where as in P & I diagram there are 5 floor levels including floor at 17m level. Please clarify the number floors need to be considered for A.C system.	Service building is G+3 i. total 4 floors.

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29/01/16



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3	<p>DRAWING NO. PE-DG-408-640-C005</p>	<p>Please refer Architectural dwg for service building . In this drawing Fourth floor is shown at 17 m level . Please furnish dwg no. <b>PE-DG-408-640-C005</b>, if fourth floor is to be considered for AC system</p> <p>Control Tower: Number of AHUs mentioned as <b>3x 50%</b> for Central Control Room, Central Equipment Room, Conference Room, Shift Incharge Room, Computer Room etc at 17.0 M level</p> <p>Where as in P &amp; I diagram and in "Suggested Price Bid", AHUs mentioned as <b>2x50%</b>. Please confirm the configuration to be considered; <b>2x50% or 3x50%</b> (2W+1S).</p>	<p>Service building is G+3 i. total 4 floors.</p> <p>For control room 2x50 % AHU is applicable.</p>
4	<p>BHEL SPECIFICATION PE-TS-408-553-A001 VOLUME: II B SECTION: C1 REV.00 CLAUSE: 4.2.1.6</p>	<p>i) BHEL under heading" Design input criteria" specified as heat load calculation to be done" As per DCPL specification .no. K9213R-SPC-001, Volume: IIK/4, Section-I, Clause no. 5.01.00 TO Clause no. 5.09.00"</p>	<p>Min. equipment capacity is already defined in specification. Heat dissipation shall be furnished to successful bidder during detail engineering stage.</p>
5	<p>DCPL SPECIFICATION K9213R-SPC-001 SECTION: C 2A VOLUME: IIK/4 SECTION: 1 CLAUSE: 5.00.00</p>	<p>ii) As per DCPL specification Equipment load specified as "As actual". BHEL being EPC contractor, please furnish the equipment panel load to be considered for heat load calculation. Please note these parameters are very important for the areas like CER,CCR,UPS,SWAS ROOM,ELECTRICAL EQUIPMENT ROOM ETC which has major impact on tonnage of AC plant.</p>	

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29/01/16