

**Clarification-01 to Bidding Documents for “DISMANTLING AND BUYBACK OF DISMANTLED AC SYSTEM, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF CENTRALISED AIR CONDITIONING SYSTEM AT HVDC RIHAND and HVDC DADRI S/s”**

(Specification No.: Package A: 2002000171/OTHERS/DOM/K00 - NR3 RHQ -1 , Package B: 2002000172/OTHERS/DOM/K00 - NR3 RHQ -1)

S. No.	Clause Ref No	Existing Clause	Query	Response
1.	Technical Specification, Volume-II of bidding document	-	Architectural layout the Building Plan & elevation showing glass window & doors details for space to be air conditioned. Orientation of Building showing the direction.	Building and floor wise plan layout already submitted in <b>Amendment-01</b> .
2.		-	Whether under deck insulation done in the conditioned room. If not whether we want to do the same	Existing duct with existing insulation to be used and same is not within the scope of work
3.		-	Equipment load in control room and separately for office area	Bidder may kindly read <b>Amendment-02</b> for additional drawings and photographs.
4.		-	Occupancy load. (Control room separately for office area)	Bidder may kindly read <b>Amendment-02</b> for additional drawings and photographs.
5.		-	Fresh air changes per hour to be considered	For Control Area Fresh Air fan Capacity : 2500 m3/hr For Other Area fresh air fan capacity: 3250 m3/hr.
6.		-	Out-door design condition DBT & WBT for both areas	Our requirement has been already mentioned at scope of work and equipment specification.
7.		-	Inside Design Condition for control room & other offer area	Our requirement has been already mentioned at scope of work and equipment specification.
8.		-	Kindly clarify whether the chilled pump selected as common combined capacity ( 32 TR + 50TR) chiller. One working & one stand by.	2 nos. chiller (main and standby) shall be provided for complete HVAC system and which is already mentioned in BOQ.  Further, minimum margins shall be taken into account while estimating the refrigeration capacity and accordingly bidder shall satisfy himself for the adequacy of the margins based on his equipment.
9.		-	Whether incoming supply for AHU will be provided in AHU room by Purchaser. Such that AHU panel will be placed in the AHU Room. Incoming supply for Plant room will be provided in ground floor	AHU cabling shall be within the scope of bidder from AC plant room to AHU Room. Further cabling of all the associated equipment from MCC to respective equipment shall be within the scope of bidder.

10.	-	Whether acoustic insulation is required for AHU room & plant room.	Noise & Vibration level of all the equipment shall be as per CPWD specification therefore any acoustic insulation required such equipment in AC plant room or AHU Room shall be within the scope of bidder.
11.	-	Water proofing & making of drains for ground floor/ AHU room is required.	All the civil work required for proper functioning and successful commissioning of HVAC shall be within the scope of Bidder which includes water proofing or making drainage system in AHU and AC Plant room.
12.	-	Compressor are included as spare	Compressor as a spare shall be supplied by the bidder and same is within the scope of bidder.
13.	-	AHU Capacity given in the BOQ looks different from the Technical details shown.	The unit of AHU capacity as mentioned in text in BOQ for AHU may be read as "MINIMUM 18000 CMH and 28000 CMH". Unit of AHU is in CMH instead of CFM.  <b>Amendment-02 may please be read for the correction. Bidders may please find corrected item added at new line locations on the e-tendering portal and update unit prices for the said BoQ items, if they have already submitted their response.</b>
14.	-	BOQ you have mentioned as sets for Chiller, pumps cooling tower, AHU etc. Kindly request to change as Unit of Measurement as Nos.	Unit shall be in SETS which includes its associated accessories/equipment etc.