

To: Offerors  
From: Contracting Officer   
Date: September 02, 2015

Subject: Answers to the Questions asked by offerors for "Replacement of Old Chillers for Lahore Consulate" (RFQ#4422901) during and after site visit on August 24, 2015

1. Q: Please confirm that the origin of chiller should be from **USA/UK/Germany** only and that chiller from no other origin will be accepted.

Ans: Yes, chillers only from USA, UK and Germany origin are acceptable.

2. Q: Please elaborate the meaning of "**floor mounted with 100% makeup air, dehumidification**" as stated in technical details of chiller?

Ans: These are not chiller specs. Please treat this as "not applicable" and will be removed from the SOW. This requirement is for air handling unit which is not part of the requirement.

3. Q: Please elaborate the meaning of "**Nominal air flow: 42000 cfm**" as stated in the technical detail of chiller?

Ans: Same as answer of question 2. AHU specs.

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Ans: Same as answer of question 2. AHU specs.

5. Q: Please provide the detail of **BMS System (MODBUS/BACNET etc.)?**

Ans: Barber - coleman, Network 8000. GCM

6. Q: Kindly share chiller and pumps pipe layout plane.

Ans: Layout is not possible however contractors has physically visited site. Piping is 5" Dia.

7. Q: Please clear chilled and condenser head pressure PSI/Bar?

Ans: Chilled water pump Head pressure is 97 ft. and Condenser pump pressure is 60 ft.

8. Q: Please provide approved make/Brand or Origin for pumps?

Ans: Pumps should be equivalent to existing PULLEN, Made in England.

09. Q: Provide safety valve size, Type and expansion tank schedule with approved manufacturer?

Ans: No need to change

10. Q: What is the actual required cooling capacity of chiller?

Ans: 83 ton (as mentioned in the SOW)

11. Q: Changed the plant room piping works for chilled water side & condenser water side? Please confirm.

Ans: No need to change all pipes. Vendor shall change only according to pump fitting with existing system.

12. Q: Brands name of local items like pumps, MS piping, Valves etc.

Ans. AP Aurora heavy duty sealed pump (International standard), Pak steel MS pipe or imported (No Chinese) available in Pakistan, heavy duty butterfly valves (Nibco or equivalent) .

13. Q: Pumps head pressure is written 60 and 97 bar which seems wrong?

Ans: Yes this is wrong, it should be 60 and 97 ft.

14 Q: What about Gauges?

Ans: All pressure and temperature gauges will be replaced.

15 Q: What about Pumps foundations?

Ans: All foundations will be rebuilt with vibration control barrier.