

AMBEDKAR UNIVERSITY DELHI
LOTHIAN ROAD, KASHMERE GATE
DELHI-110006

F.NO./AUD/100.122/CD/2017-18

February 5,2019

Name of Work :- HVAC works of Main Block at AUD, Karampura Campus.

NIT No. :- 1 OF 2019

Minutes of Pre- Bid Meeting

The Pre-Bid meeting for the above work was held on 04/02/2019 at 11:00 AM in the Committee Room No.2, AUD, Lothian Road Kashmere Gate Campus. The following were present:-

Ambedkar University Officials.

1. Shri N.K. Verma, Co-Director (Tech.)
2. Shri Gaurav Saxena, Project Engineer (Electrical)

Bidders

1. Shri. Piyush Yadav, AB3S Delhi.
2. Shri Mayank Gaba, Bluestar Inda.
3. Shri Ashish, Bliss Refrigeration.
4. Shri Sunil Rathi, Daikin Air Conditioners.
5. Shri Piyush Rawat, Unique Engineers.
6. Shri Rajbir Singh, HTL Aircom.
7. Shri Brij Bhambiri, The cooling labs.
8. Shri Mandeep Goyat, Hitachi Ltd.

Reply to Written Queries by Vendors are as under:-

Sr. No.	Queries Raised	Clarification/Remark.
M/S Blue Star:- Reference MG/PCPD/IIT-D/19-20/041 dated 4/02/2019		
1.	Include the name of Blue Star in the List of Approved as it qualifies in the technical specifications.	(i) M/S Blue Star was asked to submit the engineering data sheet of their machines with the calculations, to establish that their equipments can meet the COP requirements at 100% and 50 % loading. M/S Blue Star agreed to submit the engineering data sheet immediately. (ii) As per the tender document


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		the variable refrigerant flow system units i.e. both ODU's & IDU's should be of the same manufacturer. M/S Blue Star informed that while the outdoor units are being manufactured by them but Indoor Cassette AC's are being imported by them from GREE (CHINA). It was informed that since M/S Blue Star does not meet the tender requirement, therefore they can be considered as an Approved Make in the tender.
M/S Bliss Refrigeration Pvt. Ltd Ref No. BRPL/AUD/20190204/001 dated 4/02/2019.		
Sr.	Query Raised	Clarifications/Remarks
2.	Requested that for EMD for NSIC registered contractor shall be exempted.	EMD to be submitted as per tender conditions and no exemption of EMD is permitted.
3.	Clarify only local disconnect panel is required with Outdoor Unit instead of any panel.	Local Disconnect panel is not included in the SOQ Item No. 1. However MCCB for individual unit along with cables from the existing local disconnect panels to the units are to be provided by the contractor as a part of the SOR Item No.1.
4.	Kindly add rigid UPVC drain pipe instead of CPVC as per industrial practise. Also clarify the density of drain pipe to be provided.	CPVC pipe as per SOQ Item No. 7 will be provided for drains. The pipes shall be as per IS 15778 and IS 12235 specifications with a density of 1450Kg/Cubic Meter.
5.	BOQ item No.13 :- Kindly clarify the application of this item as BOQ item no.12 is also duct insulation.	It was clarified that SOQ item No. 12 is for thermal insulation of duct for indoor application and SOR Item No. 13 is for thermal insulation of duct for outdoor application.
6.	Additional makes of pipes for some items:- a. Copper Pipe Rajco/Mexflow. (As these are approved makes for copper pipe as OEM standards. b. Nitrile Rubber Refrigerant Insulation :- Aflex and K-Flex	a. For copper Pipes the makes included in SOQ as well as List of Approved makes in the tender are acceptable. b. It was agreed by all the bidders that the out of three makes mentioned in Tender Document only ARMAFLEX is

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		manufacturing the Nitrile Insulation Therefore alternative makes of Aflex and K-Flex are also approved for use in the work.
7.	Page 24 of NIT POINT 11(A) :- It is mentioned that the warranty shall be 12 months from the date of completion but on page 24 for OEM certificate it is mentioned warranty of two years from completion.	It may be noted that the defect liability of 12 months, after satisfactory completion of the work, shall cover the complete HVAC system including the high side and low side equipments. However, the warranty on machines as per clause-12 on page 94 of tender document will be in the form of an assurance certificate from OEM on all machines (High Side Equipments) Covering a period of 24 months.
8.	Kindly clarify the payment terms for the subject tender. AS the work is to be executed as per CPWD specifications. Thus payment shall also remain as per CPWD norms.	It is an Item rate tender and payments will be made to the contractor as per the progress of work. Further the contractor can take Secured Advance for material brought to site as per tender conditions.
9.	Enquired for GST applicable in the project.	All the rates quoted in the tender document are inclusive of all the taxes as well as GST and nothing will be paid extra on account of taxation.
M/S Hitachi :- reference letter no. AUD/JCHIN/SM/02 dated 4/02/2019.		
Sr.	Query Raised	Clarifications/Remarks
10.	Requested to reduce the COP of 5 at 50% and 3.4 at 100 Loading.	Higher COP of 6.85 at 50% loading and 3.4 at 100% loading is for achieving higher energy savings. Bidders can achieve the desired COP through combination of units of various capacities. Therefore Tender condition will remain unchanged.
11.	Requested that up to 14 HP, one compressor should be there and up to 24 HP a single module of ODU should be there.	As per the tender conditions all the circuits will have 2 units for 24 HP and 28 HP for achieving higher efficiency. Tender condition shall remain unchanged.

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Reply to Verbal Queries of Vendor are as under:-

M/S Samsung India Electronics :-		
Sr.	Query Raised	Clarifications/Remarks
1	It is requested to include the name of Samsung India Ltd in approved make list.	Samsung India has requested for reduction in COP as its equipments may not be able to meet the COP requirements as per Tender Documents. Since higher COPs have been adopted for achieving higher energy savings therefore COP cannot be changed. Accordingly, M/S Samsung cannot be included in the approved Manufacturers list.
2	To allow higher capacity module in tender.	Modules/Units of appropriate capacity have been approved in tender document having higher efficiency. Therefore Tender condition will remain unchanged.
AB3S,Delhi		
Sr.	Query Raised	Clarifications/Remarks
3	Tonnage capacity criteria min only one work completion is asked against the 80%, 60% and 40% format.	Refer to Corrigendum No.1 for modifications.


 Co-Director (Tech.)


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