



MINUTES OF THE TENDER PREBID MEETING DATED 2014-06-19
FOR WATER COOLED BRINE CHILLERS INTEGRATED VACCINES
COMPLEX (IVC) OF HLL BIOTECH LIMITED

Document No. HBL/IVC/HVAC/CHILLER/2014-15/02 Rev.00
PUBLISHED ON 2014-05-29

Venue: Training Hall, HLL WHD Office, Chennai.

Project : Integrated Vaccines Complex

Date of the meeting : 19th June 2014

Attendees : See attached list of attendees

Distribution to : HLL Biotech Limited
All Concerned Persons
NNE Pharmaplan India Limited
All Concerned Persons
To All Participating vendors
See attached list of attendees

Issued by : Chief Executive Officer

Issued on : 24th June 2014

Agenda : Pre-bid meeting for Design, Supply, Installation, Testing and Commissioning of Water Cooled Brine Chillers.

S. No	Queries raised by Vendors to Tender Document	Clarification
A.	Technical	
I.	Water Cooled Brine Chiller	
1.	Inlet & Outlet Water Temperature for Condenser	NNE & HBL Informed that the Inlet & Outlet water temperature for condenser shall be consider as 32-36 Deg.C instead of 32-37 Deg.C as given in the Tender.
2.	Chilled Brine Inlet Outlet Temperature for Evaporator	NNE & HBL Informed that the Inlet & Outlet Brine temperature shall be 0 to -5 Deg.C.
3.	Type of Compressor	HBL & NNE Clarified that the as mentioned in Technical Data sheet vendor shall consider Semi-Hermetically/Hermetically Sealed/Open type Screw compressor for Brine chiller. Also it was informed that the type of compressor should be Twin Screw as mentioned in the tender document.
4.	Compressor Mounting is independent from the unit chassis and installed on flexible and anti-vibration block.	HBL & NNE informed Compressor shall be mounted on skid with proper anti vibration blocks. However, Vendor should ensure that there will not be any vibration in the System.
5.	Noise Level	HBL & NNE informed vendors that maximum permitted Noise level is 80 dB as mentioned in the Technical Data Sheet.
6.	Foundation Detail	HBL & NNE informed that the vendor has to submit the Foundation details along with Technical Bid.



TECHNICAL & COMMERCIAL QUERIES AND
CLARIFICATIONS



7.	Technical Data Sheet and Utility Requirements	HBL & NNE informed vendor has to submit the Chiller Selection Data Sheet and Utility Requirements along with Technical Bid. The same will be verified by HBL from AHRI.
8.	Electronic Type Pressure & Temperature Gauges	HBL & NNE informed Vendor this item shall be as per their manufacturing standard having CE certification.
9.	Location of Chiller	HBL & NNE informed that that Chiller location is at Ground Floor of Utility Block.
10.	Starting Current of the Chiller	Vendors expressed their concern about the Starting current at rated voltage and frequency shall not exceed 2 times of full load current is not possible and requested to increase this from 2 to 3. HBL & NNE agreed on this point and informed vendors to Consider maximum Starting current at rated voltage and frequency shall not exceed 3 times of full load current.
11	Arrangement of Pressure & Temperature sensors.	HBL & NNE informed vendors that the arrangement of Pressure & Temperature sensor shall be installed in such a way that the sensors will be removed without draining the refrigerant.

12	<ul style="list-style-type: none"> i) Optimization of the condensing pressure with floating set point based on the outside temperature and the thermal load in order to limit power consumption. ii) Periodic fan start-up when the unit is shut down in order to prolong the operating life of the fans iii) Machine-Operator Interface outside air entering/leaving temperature. iv) On/off mode based on the outside temperature. Set point reset based on the outside air temperature or the return brine water temperature 	<p>HBL & NNE informed that this arrangement is not required as the requirement is for Water Cooled Brine Chiller.</p>
13	Insulation Material	<p>HBL & NNE informed that the Nitrile Rubber Insulation shall be consider. However, Vendor has to ensure that the no condensation takes place on Insulation.</p>
14	Flow Monitor	<p>HBL & NNE informed Vendor that Flow monitor mentioned in the data sheet is to be referred as Flow Switch.</p>

15	Spare Part List	HBL & NNE Clarified that the required Spare Part List shall be quoted separately. However, the same will not be considered for Tender Evaluation.
16	AHRI certification	Vendor informed that the AHRI certificate is not applicable in case of Brine Chiller. HBL & NNE agreed on that and instruct that vendor has to match the requirement as mentioned in the Data Sheet.
17	DX Brine Chiller (Query raised by Vendor through Mail)	DX type Brine chiller are also accepted but Vendor has to match the requirement as mentioned in the Tender.
18	FAT	HBL & NNE Informed that the FAT will be performed for all 3 Chillers as per the list of testing's stated in the tender document.
B	Chiller Plant Manager	
1.	Philosophy of Plant Manager	<p>Plant Manager philosophy is to optimize the complete chiller plant. The complete input / output summary and software integration points are mentioned in the tender document. However vendor is sole reasonability to ensure that the required points to be consider in plant manager design and ensure that the complete plant consists of following components.</p> <ol style="list-style-type: none"> 1. Chiller – 100TR x 3Nos. 2. Primary Pump – 3Nos +1No.(Spare) 3. Secondary Pump - 3Nos +1No.(Spare) 4. Condenser Pump - 3Nos +1No.(Spare) 5. Cooling Tower - 3Nos +1No.(Spare) 6. Chiller Motorized and Balancing valves.

2.	Communication Cable for Plant Manager	Control cable shall be of OLFLEX CLASSIC 110 SY and Gland shall be SKINTOP_MS_SC-M similar to LAPP Make. The cable between Plant manager and chiller shall be shall be considered as 500RMT. Approved Make: Universal / Polycab / Gloster / RPG / CCI.
C.	Commercial	
1.	Advance Bank Guarantee Validity	HBL informed that Advance Bank Guarantee shall be valid until the Completion of work.
2.	USD Conversion in Indian Rupees	HBL informed that USD conversion rate in Indian Rupees shall be consider as on the date of price bid opening.
3.	Placing of Purchase / Service order	Those vendor who wish to place the Supply order to their principle office situated in other countries, The vendor shall submit the request letter along with full details of the principle supplier during submission of technical bid.
4.	Payment Terms	Vendors requested to change the Payment Terms. However, HBL informed that the Payment will remain same as per the Tender document.
5.	Warranty	HBL informed that the warranty of the equipment shall be 24 Months from the date of issuing the final acceptance certificate. If any component of the equipment needs to be change during this period, the same components shall be liable for warranty for 24 Months after getting replacement.
6.	Authorised Indian Representative	HBL informed that Tenderer has to be an authorised Indian representative of all the tendered equipment.



TECHNICAL & COMMERCIAL QUERIES AND
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7.	Time Extension for Submission of Bid	The date of submission of tender document is extended till 05 th July 2014 , 16:00 Hrs. The date of opening of technical bid is on 05th July 2014, 16:30 Hrs.
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For HLL Biotech Limited

Chief Executive Officer

LIST OF ATTENDEES

Project : INTEGRATED VACCINES COMPLEX
 Date of Meeting : 19th JUNE '14
 Venue : HLL BIOTECH LIMITED, TICEL BIO PARK, TARAMANI
 Subject : PRE-BID MEETING FOR WATER COOLED BRINE CHILLER

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