

**MINUTES OF PREBID MEETING FOR**

**TENDER DOCUMENT FOR SUPPLY, INSTALLATION, COMMISSIONING AND  
VALIDATION OF AIR COMPRESSOR SYSTEM AT INTEGRATED VACCINE COMPLEX,  
CHENGALPETTU**

**Tender No. HBL/IVC/TD/MECH/AIRCOMP/2014, Rev 02 published on 29<sup>th</sup> May 2014**

**Venue : HLL Biotech Limited, TICEL Biopark, Chennai**

**Project : INTEGRATED VACCINE COMPLEX**

**Date of the meeting : 10<sup>th</sup> June 2014**

**Attendees : See attached list of attendees**

**Distribution to : HLL Biotech Limited**

- All Concerned Persons

**NNE Pharmaplan India Limited**

- All Concerned Persons

**Vendors**

- To all the participating bidders

**Issued on : 12<sup>th</sup> June 2014**

Sl. No.	Amendments to the tender & clarifications towards pre-bid queries
1.	All the items in BOQ should be quoted inclusive of all applicable taxes & duties, insurance, transportation, material handling etc. Quoted price will remain firm during contractual period.
2.	Payment terms for tender remain unchanged.
3.	Separate Purchase order and Service Order will be issued to L1 bidder for supply and installation respectively.
4.	Vendors will be issued C form for necessary tax exemptions.
5.	Consortium and joint ventures are not allowed for participation in Tender.
6.	<p>Vendor should submit the bid in 2 envelopes (technical bid &amp; price bid) which will be placed inside the main envelope. Main envelope should be sealed &amp; super scribed with tender name , tender document number &amp; date of opening:-</p> <p>1<sup>st</sup> Envelope - technical bid containing signed &amp; sealed copy of tender, datasheets, URS, technical details, tender fee, EMD, Integrity pact, tender form (without mentioning the price), qualifying documents as per Section IX etc.</p> <p>2<sup>nd</sup> Envelope - price bid containing tender form and price bid</p>
7.	<p>Vendor should make their own arrangement security and storage required at site. However, space for storage will be provided by Client.</p> <p>Vendor should make their own arrangement for electricity required for execution at site.</p> <p>Water required for commissioning will be provided by Client.</p>
8.	Vendor should supply air compressor system with 400 cfm capacity after dryer and purge loss for designing should not be more than 15%.
9.	Vendor will perform Site Acceptance Test (SAT) as per the tender detail.
10.	Vendor will quote for two fixed speed and one VFD compressor for the tender in given price schedule.
11.	Vendors will supply the air compressor and dryer in separate skids.
12.	Vendor will supply air compressor and desiccant dryer of same make. Air receiver should be supplied as per specification mentioned in the tender.
13.	Defect liability period for tendered equipments will be 12 months from the date of handover or 18 months from date of installation, whichever is earlier.

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14.	<p>Technical bid submitted by bidder should also include the foundation details required for its equipments, GA drawings, P&amp;IDs, control system.</p> <p>Technical bid should also mention the utility requirements (quantity, pressure, flow rate etc.)</p>
15.	<p>The given tender is also consisting of <b>Sequence Controller, Monitoring and Data Retrieval System</b> in which air compressor system will be controlled, monitored and will also log operating data, alarms, troubleshooting actions etc. for a period of 30 days. The system should have port for USB Drive.</p> <p>Vendor will consider this as separate item and quote in the BOQ along with model no and all specification.</p>
16.	Inter stage pressure gauge is not required for the air compressor.
17.	<p>Vendor should consider Flow meter (FM) at the outlet of each dryer instead of flow meter transmitter.</p> <p>FM will be a vortex type. (Make: Rosemount, Forbes Marshall, Yokogawa )</p>
18.	Pressure Transmitter is required for the Air Receiver and same will be connected in <b>Sequence Controller, Monitoring and Data Retrieval System</b> .
19.	Online Dew point meter should be inbuilt in each Dryer and shall not be considered separately.
20.	All sampling valves should be Needle valve (MoC - SS 304).
21.	<p>Participated vendors confirmed that 1.0 micron filter at dryer outlet with Differential Pressure gauge (DPG) is part of air dryer. This filter should be supplied with bypass assembly.</p> <p>Hence, vendor should not consider the 1.2 micron filter mentioned before the Air receiver in their quote.</p> <p>However filter assembly installed after air receiver is updated as 1.2 micron and 0.45 micron filter in series with bypass assembly and its valves , with cartridge material of PTFE and housing in SS-304 construction suitable for 800 cfm at 8 to 10 Bar.</p> <p>Filter make for 1.2 micron and 0.45 micron filters: Parker, Dominic hunter, Sartorius, Pall.</p> <p>Hence 0.22 micron filter should not be considered in the scope of supply.</p>
22.	<p>All the inter-connecting piping will be of SS 304.</p> <p>MoC of Drain piping for Air compressor system should be of MS or GI.</p>
23.	Test procedure for measuring all parameters will be as per ISO standards.




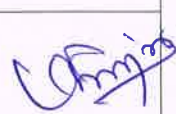


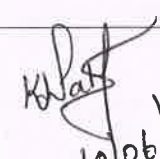
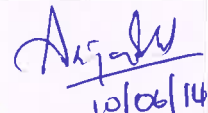

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24.	Noise level at 1 metre from the equipment should not be more than 76 decibel (dB).
25.	Training required for vendors should be for 2 days instead of 5 days mentioned in the URS.
26.	List of Spares required for two years will be provided by contractor. However, spares required during defect liability period will be supplied by contractor at free of cost.
27.	Henceforth, this minute of this pre-bid meeting will be part of the original tender document.

Issued by

Chief Executive Officer

LIST OF ATTENDEES

Project : INTEGRATED VACCINE COMPLEX  
 Date of Meeting : 10<sup>th</sup> JUNE 2014  
 Venue : HLL BIOTECH LIMITED, TICEL BIO PARK, TARAMANI  
 Subject : PRE-BID MEETING FOR AIR COMPRESSOR SYSTEM TENDER

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