



| S. No.   | Clarifications on queries  |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
|----------|--|--|------------------------|-----------|-----------|---|-------------|--|--|---|----------------|--------|--------|---|-----------------|------------------------|------------------------|---|----------------|------------------------|------------------------|---|-----------------------------|-----------------------|-----------------------|
|          | <b>Tender for Supply , Installation, commissioning and Validation of Lyophilisers at HLL Biotech limited, Chengalpattu : NPI-120310-EQP-S1-TD-06</b>   |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| <b>A</b> | <b>Discussion on Tender Enquiry Document: NPI-120310-EQP-S1-TD-06</b>  |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
|          | <b>General Discussion Points</b>   |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 1.       | The last date for the tender submission has been extended till <b>31<sup>st</sup> October 2014; 16:00 hrs</b> and the tender opening will be on <b>31<sup>st</sup> October 2014; 16:30 hrs</b>   |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 2.       | It was clarified that Tender fee is USD 525 (Inclusive of 5% VAT)  |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 3.       | EMD is mandatory as per Tender clause No.18  |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
|          | Vendors has asked for changes in the payment terms, accordingly following decision has been taken<br><br>Payment for Imported Goods:   |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 4.       | <ul style="list-style-type: none"> <li>a) (i) Advance – Tender term holds good (10% against submission of Advance BG and PBG)</li> <li>(ii) On approval of Design Qualification – 10% of the net DAP price against Pro-forma Invoice</li> </ul> <p>80% of the payment shall be made in the currency through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country as specified in the contract in the following manner:</p> <ul style="list-style-type: none"> <li>b) On Receipt of Goods at site – Tender term holds good (70% of the net DAP price upon submission of shipment documents specified in the tender document)</li> <li>c) and d) (Payment on IQ and OQ report) to be omitted</li> <li>e) On validation and Final Acceptance Certificate by Purchaser – Tender term holds good (Balance 10% against 'Final Acceptance Certificate')</li> </ul> |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 5.       | AutoCAD Format of the room layout is attached as annexure. Vendor to place the GA drawings of the Lyophilisers and submit the same along with the technical bid.   |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 6.       | Vendors to provide the technical specification and GA drawing of compatible Mobile transfer cart for loading and unloading of vials from lyophilizer.  |  |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 7.       | <p>Following are the utilities considered for Lyophilisers, Vendor to design the equipment accordingly,</p> <table border="1"> <thead> <tr> <th>Sl. no</th> <th>Utility</th> <th>F1-LYO-01</th> <th>F1-LYO-02</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electricity</td> <td colspan="2">Single (220 V) &amp; 3 phase (420 - 440 V)</td> </tr> <tr> <td>2</td> <td>Compressed air</td> <td>10 CFM</td> <td>10 CFM</td> </tr> <tr> <td>3</td> <td>WFI at 80 deg C</td> <td>2.5 m<sup>3</sup>/hr</td> <td>2.5 m<sup>3</sup>/hr</td> </tr> <tr> <td>4</td> <td>Purified water</td> <td>2.5 m<sup>3</sup>/hr</td> <td>2.5 m<sup>3</sup>/hr</td> </tr> <tr> <td>5</td> <td>Cooling water @ 30 to 35 °C</td> <td>26 m<sup>3</sup>/hr</td> <td>37 m<sup>3</sup>/hr</td> </tr> </tbody> </table>   | Sl. no                                 | Utility                | F1-LYO-01 | F1-LYO-02 | 1 | Electricity | Single (220 V) & 3 phase (420 - 440 V) |  | 2 | Compressed air | 10 CFM | 10 CFM | 3 | WFI at 80 deg C | 2.5 m <sup>3</sup> /hr | 2.5 m <sup>3</sup> /hr | 4 | Purified water | 2.5 m <sup>3</sup> /hr | 2.5 m <sup>3</sup> /hr | 5 | Cooling water @ 30 to 35 °C | 26 m <sup>3</sup> /hr | 37 m <sup>3</sup> /hr |
| Sl. no   | Utility  | F1-LYO-01                              | F1-LYO-02              |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 1        | Electricity  | Single (220 V) & 3 phase (420 - 440 V) |                        |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 2        | Compressed air   | 10 CFM                                 | 10 CFM                 |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 3        | WFI at 80 deg C  | 2.5 m <sup>3</sup> /hr                 | 2.5 m <sup>3</sup> /hr |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 4        | Purified water   | 2.5 m <sup>3</sup> /hr                 | 2.5 m <sup>3</sup> /hr |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |
| 5        | Cooling water @ 30 to 35 °C  | 26 m <sup>3</sup> /hr                  | 37 m <sup>3</sup> /hr  |           |           |   |             |  |  |   |                |        |        |   |                 |                        |                        |   |                |                        |                        |   |                             |                       |                       |

| S. No. Clarifications on queries |   |                                |                    |           |
|----------------------------------|---|--------------------------------|--------------------|-----------|
|                                  | 6 | Pure steam @ 3 bar             | 240 kg/hr          | 300 kg/hr |
|                                  | 7 | Soft water for ring water pump | 10 LPM             | 10 LPM    |
|                                  | 8 | Nitrogen                       | Report Requirement |           |

| S. No. Clarifications on URSs |   |  |    |                                       |               |
|-------------------------------|---|--|----|---------------------------------------|---------------|
| <b>B</b>                      | <b>URS: F1-LYO-01-02</b>  |  |    |                                       |               |
| <b>6</b>                      | <b>Specific revision in the URS</b>   |  |    |                                       |               |
|                               | URS Point number and excerpt* / description of the specification *  | Point modified as / Comment  |    |                                       |               |
| 6.1                           | 4.1.1 a. <b>F1- LYO 01</b> : Minimum Ice condenser capacity should be 150 kg or its nearest standard with performance of 120 kg/24 hour | a. <b>F1- LYO 01</b> : Minimum Ice condenser capacity should be 150 kg or its nearest standard with performance of 100 kg/24 hour                                    |    |                                       |               |
| 6.2                           | 6.6.11.3 Compressors should be two stages.  | Reciprocating type or screw type compressor shall be used (Vendor to confirm)  |    |                                       |               |
| 6.3                           | <b>URS Annexure - 2</b><br><b>List of components and make for Lyophilizer</b>   | <b>Included:</b> <table border="1" style="margin-left: 20px;"> <tr> <td>29</td> <td>Compressor (Reciprocating/screw type)</td> <td>Kobelco/mycom</td> </tr> </table> | 29 | Compressor (Reciprocating/screw type) | Kobelco/mycom |
| 29                            | Compressor (Reciprocating/screw type)   | Kobelco/mycom  |    |                                       |               |

For HLL Biotech Limited



Chief Finance Officer



List of Attendees

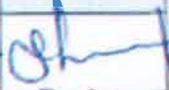



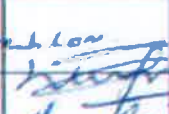
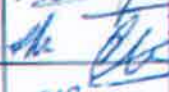

Date: 26 September 2014  
 Client: M/s HLL Biotech Limited  
 Venue: M/s HLL Biotech Limited, Chennai  
 Project: Integrated Vaccine Complex, at Chengalpattu  
 Subject: Pre-Bid Meeting of Lyophilizers for IVC

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List of Attendees

Date: 28 September 2014  
 Client: M/s HLL Biotech Limited  
 Venue: M/s HLL Biotech Limited, Chennai  
 Project: Integrated Vaccine Complex, at Chengalpattu  
 Subject: Pre-Bid Meeting of Lyophilizers for IVC

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|        |                             |                |             |                             |   |
|        |                             |                |             |                             |   |
|        |                             |                |             |                             |   |
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|        |                             |                |             |                             |   |

