



**HLL BIOTECH LIMITED**  
(Subsidiary of HLL Lifecare Limited)  
(A Government of India Enterprise)

**MINUTES OF THE MEETING**  
**PRE BID MEETING OF TENDER DOCUMENT**

**FOR SUPPLY, INSTALLATION OF ANIMAL CAGES AND RACKS INTEGRATED VACCINES COMPLEX, CHENGALPATTU**

**Document No.:** NPI-120310-EQP-S1-TD-26 DATED- 05.04.2016

**Venue :** HLL Biotech Limited, Chennai

**Date :** 12.04.2016

**Project :** Integrated Vaccines Complex, Chengalpattu

**Attendees :** See attached list of attendees

**Issued by :** SENIOR MANAGER PROCUREMENT

**Issued on :** 16.04.2016



**Queries on Data sheet - Schedule no I – Guinea pig cages and Racks for Guinea pig cages**

<b>Technical Specification- SS Pan, Feed hopper , Water Bottle and Water bottle holder</b>		
<b>S.No</b>	<b>Data sheet point</b>	<b>Modified as</b>
3.3	<b>Cage body construction:</b> The floor dimension of the Guinea pig pan shall be 800 mm X 800 mm X 250 mm (LXWXH). The upper edges (perimeter) shall be wider than the lower edges (perimeter) meaning there shall be a slight inclination of the side walls of the cage expanding on the outside essentially to facilitate stacking and access to the cage.	<b>Cage body construction:</b> The floor dimension of the Guinea pig pan shall be 775 mm X 775 mm X 250 mm (LXWXH). The upper edges (perimeter) shall be wider than the lower edges (perimeter) meaning there shall be 2 Inches inclination of the side walls of the cage expanding on the outside essentially to facilitate stacking and access to the cage.
	Card holder shall be provided with SS 304 quality sheet at front side of the pan	Card holder shall be provided with SS 304 quality sheet at front side of the pan and 2 hooks for hanging the cage ID Card shall be provided to the water bottle holders on either sides of the pan.
	3 handles shall be provided with 8mm SS Rod 1 at front and 2 at the sides of pan	2 collapsible handles shall be provided with 8mm SS Rod on either sides of the pan
3.4	<b>Feed Hopper :</b> 2 hanging feed hoppers shall be provided with rounded edges made of SS 304 18G	<b>Feed Hopper:</b> In the cage either sides at the center 2 hanging feed hoppers shall be provided with rounded edges made of SS 304 18G and shall be at a height of accessible for Guinea pigs.
3.8	<b>No of SS Pans:</b> 846 nos	<b>No of SS Pans:</b> 900 nos
	<b>No. of feed hoppers:</b> 1800 nos	<b>No. of feed hoppers:</b> 1800 nos
3.9	<b>No of Water Bottles :</b> 1800 nos	<b>No of Water Bottles :</b> 1800 nos
<b>Technical Specification- Rack for keeping Guinea pig SS Pans</b>		



S.No	Data sheet point	Modified as
4.1	<b>Capacity:</b> Each Cage rack should hold 4 Guinea pig pans (SS) pans of above said Guinea pig pan dimensions	<b>Capacity:</b> Each rack should hold 4 cages (1 cage per row ) 3 rows per rack for cage dimension of 775 mm X 775 mm X 250 mm (LXWXH), The top cage shall be placed on the top row making it a 4 row cage stacking.
4.2	<b>Dimensions:</b> Vendor to specify. Sufficient spacing to be considered for placement of Guinea pig pans	<b>Dimensions:</b> Vendor to specify. Sufficient spacing to be considered for placement of Guinea pig pans (Approx size of the rack : 900 X 900 X 1800 in mm (LXWXH)
4.5	<b>Wheels :</b> 4 nos for each rack with superior quality polyurethane wheels. 2 wheels shall be provided with brakes.	<b>Wheels :</b> 4 nos for each rack with superior quality polyurethane castor wheels. 2 wheels shall be provided with brakes. Wheel Dimension shall be 4 inch x 1.25 inch and Clamp of the wheel shall be a SS 304
4.9	<b>No of guinea pig racks:</b> 150 nos	<b>No of Guinea pig racks:</b> 160 nos
<b>Specific Requirements- Racks</b>		
7.2	10 % of total number of polyurethane wheels shall be provided as spare for replacement	Total 64 wheels shall be provided (32 wheels with brakes and remaining 32 wheels without brakes)
<b>Specific Revision in the Data sheet</b>		
1	Rack pipe dimension	1.25 inch x 1.25 inch
2	Pipe thickness	16 Gauge
3	Angle dimension	1.25 inch x 1.25 inch
4	Angle thickness	16 Gauge
5	Type of Guinea pig racks	All Guinea pig racks shall be dismantle type
6	Extra 1800 Nos of silicone gaskets for water bottles shall	be considered



**Table-3: Annexure - Schedule I – Guinea pig cages and cage racks modified as follows**

Block	Area	Room No	No. of SS Pans	No. of cage Racks	Room Area (Approx) m2	Room Height (m)
Animal House	Quarantine	G1G026	16	4	16	2.7
	Breeding Area	G1G027	32	8	24	2.7
		G1G028	36	9	28	2.7
		G1G029	36	9	28	2.7
		G1G030	36	9	28	2.7
		G1G031	36	9	26	2.7
		G1G032	36	9	26	2.7
		G1G034	36	9	26	2.7
		G1G035	36	9	26	2.7
		G1G036	36	9	28	2.7
	Weaning Area	G1G050	36	9	26	2.7
		G1G051	40	10	30	2.7
		G1G052	36	9	28	2.7
	Testing Area	G1G058	36	9	28	2.7
		G1G059	36	9	28	2.7
		G1G060	40	10	30	2.7
		G1G061	36	9	26	2.7
Sick Animal room	G1G096	4	1	17	2.7	
<b>Total</b>			600	150		
Additional for replacement			300	10		
<b>Total Guinea pig cages and cage racks</b>			<b>900</b>	<b>160</b>		



Queries on Data sheet - Schedule no II – Mice cages and Racks for mice cages

This schedule has been modified in to 2 sub schedules as Schedule II (a) and Schedule II (b)

Schedule II (a) – Mice cages and Cage racks for Testing

Schedule II (b) – Mice cages and Cage racks for Breeding

Queries on Technical Specification- Cages (Cage Bottoms, Cage top grill and water bottles)		
S.No	Data sheet point in tender document	Modified as or (New addition)
3.5	<b>Spacing between Cage grills :</b> 4 mm	<b>Spacing between Cage grills :</b> Mice cages for Testing : 6 mm Mice cages for Breeding : 4 mm And cage grill rod thickness shall be 2 mm
3.7	<b>Water Bottle :</b> 250 - 300 ml bottle and autoclavable	<b>Water Bottle capacity and quantity :</b> <b>Water bottle for testing cages :</b> 250 - 300 ml bottle & 3000 Nos <b>Water bottle for breeding cages :</b> 150 - 200 ml bottle & 1728 Nos Water bottles shall be autoclavable
3.8	<b>MOC of water bottle :</b> Poly carbonate transparent wide mouth water bottle with gasket	<b>MOC of water bottle :</b> Poly carbonate transparent wide mouth water bottle with silicone gasket
3.11	<b>Cage Dimensions:</b> 410-430 mm X 270-282 mm X 120 - 150 mm ( L X W X H )	<b>Cage Dimensions:</b> <b>Testing cage :</b> 1000 cm <sup>2</sup> bottom floor space (Approx. size of the cage top dimension 500 x 340 x 140 mm (LXWXH) or Vendor to specify <b>Breeding cage :</b> 368 cm <sup>2</sup> bottom floor space (Approx. size of the cage top dimension 290 x 220 x 140 mm (LXWXH).



3.12	<b>Quantity :</b> 5490 nos of cages, cage top grills and water bottles each	<b>Quantity :</b> <b>Testing cages quantity :</b> 3000 nos of cages, cage top grills and water bottles each and with the same extra quantity of water bottle silicone gaskets as spares shall be considered <b>Breeding cages quantity :</b> 1728 nos of cages, cage top grills and water bottles each and with the same extra quantity of silicone gaskets for water bottles shall be considered
<b>4 Queries on Technical Specification- SS Mice Cage Racks</b>		
4.1	<b>Capacity:</b> To hold 30 Cages of above said cage dimensions	<b>Capacity:</b> <b>Testing cage :</b> To hold 25 cages of above said testing cage dimensions <b>Breeding cage :</b> To hold 48 cages of above said breeding cage dimensions
4.3	<b>MOC :</b> Superior finish SS 304 – Fabricated by 1"x1"16 swg steel square pipe and SS angles shall be provide to keep Cages (1.25"x1.25"x16 swg angle). The SS rack shall be made of AISI non magnetic, alkaline and chemical resistant stainless steel sheet SS 304 quality and shall be rust proof	<b>MOC :</b> Superior finish SS 304, The SS rack shall be made of AISI nonmagnetic, alkaline and chemical resistant stainless steel sheet SS 304 quality and shall be rust proof Pipe Dimensions : 1.0 Inch x 1.0 inch with 16 Gauge thickness Angle Dimensions : 1.0 Inch x 1.0 inch with 16 Gauge thickness
4.4	<b>Wheels :</b> 4 nos for each rack with superior quality polyurethane wheels. 2 Wheels shall be with brakes	<b>Wheels :</b> 4 nos for each rack with superior quality polyurethane castor wheels. 2 wheels shall be provided with brakes. Wheel Dimension shall be 4 inch x 1.25 inch and Clamp of the wheel shall be a SS 304
4.5	<b>Pattern and spacing of cages in the cage rack:</b> 6 X 5 pattern i.e., 6 slots per row / 5 rows. After accommodating cages, a minimum 10 cm space to be provided between each cage row or 26 cms space	<b>Pattern and spacing of cages in the cage rack:</b> <b>Testing cage rack:</b> 5 X 5 pattern i.e., 5 slots per row / 5 rows. (Total 25 cages / Rack) After accommodating cages, sufficient space to be provided



	between each row	between each cage row or space between each row as per CPCSEA guidelines. <b>Breeding cage rack:</b> 8 X 6 pattern i.e. 8 slots per row / 6 rows.(Total 48 cages / Rack) After accommodating cages, sufficient space to be provided between each cage row or space between each row as per CPCSEA guidelines.
4.7	<b>Quantity:</b> 135 Nos	<b>Mice cage rack Quantity:</b> <b>Testing cage racks :</b> 85 Nos <b>Breeding cage racks :</b> 27 Nos
5	<b>Queries on Specific Requirments – Cages</b>	
5.4	The polycarbonate material shall be of food grade quality	The polypropylene material shall be of food grade quality
6	<b>Specific Requirments- Water bottle</b>	
6.8	The polycarbonate material of water bottle shall be of food grade quality	
7	<b>Specific Requirments- Racks</b>	
7.1	Racks shall be supported by polyurethane wheels for free movement with brakes	<b>Rack Wheels :</b> 4 nos for each rack with superior quality polyurethane castor wheels. 2 wheels shall be provided with brakes. Wheel Dimension shall be 4 inch x 1.25 inch Clamp of the wheel shall be a SS 304
7.2	10 % of total number of polyurethane wheels shall be provided as spare for replacement	Total 44 wheels shall be provided (22 wheels with brakes and remaining 22 wheels without brakes)
7.4	Single Sided rack with frame support on the rear end.	Deleted
<b>Specific modification to the data sheet</b>		
1	Type of Mice racks	All Mice cage racks shall be dismantle type
Table-3: Annexure modified as follows		



<b>Table-3: Annexure Schedule II (a) - Mice Testing cages and cage racks</b>						
<b>Block</b>	<b>Area</b>	<b>Room No</b>	<b>No. of cages</b>	<b>No. of cage Racks</b>	<b>Room Area (Approx) m2</b>	<b>Room Height (m)</b>
<b>Animal House</b>	<b>Quarantine</b>	G1G024	100	4	12	2.7
		G1G025	100	4	12	2.7
	<b>Weaning Area</b>	G1G053	250	10	28	2.7
		G1G054	225	9	24	2.7
	<b>Testing Area</b>	G1G063	250	10	26	2.7
		G1G064	275	11	30	2.7
		G1G065	250	10	28	2.7
	<b>Challenge Area</b>	G1G076	250	10	25	2.7
		G1G077	250	10	28	2.7
	<b>Sick Animal Room</b>	G1G096	50	2	17	2.7
<b>Total</b>			<b>2000</b>	<b>80</b>		
<b>Additional for replacement</b>			<b>1000</b>	<b>5</b>		
<b>Total Mice Testing cages and Racks</b>			<b>3000</b>	<b>85</b>		
<b>Table-3: Annexure Schedule II (b) - Mice Breeding cages and cage racks</b>						
<b>Block</b>	<b>Area</b>	<b>Room No</b>	<b>No. of cages</b>	<b>No. of cage Racks</b>	<b>Room Area (Approx) m2</b>	<b>Room Height (m)</b>
<b>Animal House</b>	<b>Breeding Area</b>	G1G037	384	8	28	2.7
		G1G038	384	8	28	2.7
		G1G039	384	8	24	2.7
<b>Total</b>			<b>1152</b>	<b>24</b>		
<b>Additional for replacement</b>			<b>576</b>	<b>3</b>		
<b>Total Mice Breeding cages and Racks</b>			<b>1728</b>	<b>27</b>		





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Discussion on commercial aspects of tender enquiry document No: NPI-120310-EQP-S1-TD-26 Dated- 05.04.2016

**Section XXIII - SCHEDULE OF FISCAL ASPECTS**

As per the tender document			Amendment to the tender document
Sr.No	Particulars	Description	Modified as
1	Submission of completed tender	26.04.2016 at 15:30 Hrs	02.05.2016 at 15:30 Hrs
2	Opening of Techno-commercial Bid	26.04.2016 at 16:00 Hrs	02.05.2016 at 16:00 Hrs
3	Delivery	3 (Three) Months from date of issue of Notification of Award	Delivery period for Schedule I – Guinea pig cages and cage racks and Schedule II (b) – Mice Breeding cages and racks shall be supplied within 4 (Four) months from date of issue of Notification of Award
			Delivery period for Schedule II (a) – Mice testing cages and racks shall be supplied within 5 (Five) months from date of issue of Notification of Award
4	Installation	1 (One) Month from the delivery of the equipment at site	1 (One) Month from the delivery of the equipment at site

For HLL Biotech Limited

Authorized Signatory

