

AMENDMENT – V TO MINUTES OF THE MEETING

TENDER FOR SUPPLY, INSTALLATION, COMMISSIONING AND VALIDATION OF LAB EQUIPMENTS AT PII, COONOOR

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Venue : HLL Biotech Limited, Chennai
Pre-bid Date : 07.03.2016 – 10.03.2016
Project : Revival of DPT Vaccines manufacturing facility
Issued on : 18th April'2016
Issued from : Head - Procurement - HBL

Agenda	
1.	Amendment - V to Pre-bid Meeting for Lab equipment's at PII, Conoor.

Tender for Supply , Installation, Commissioning and Validation of Lab Equipment's at PII, Coonoor
Queries on URS of Schedule no 13 – Euthanasia Chamber (Modified URS)

S.No.	Euthanasia chamber:
1	Process Requirement: Lab animal euthanization is a procedure by which laboratory animals are killed quickly and painlessly. The same is necessitated on termination of an experimental procedure or otherwise for ethical reasons, Euthanasia chambers are designed for this purpose where in regulated CO ₂ (approved inhalant euthanasia gas) will be used.
2	Technical specification
2.1	Type
2.2	Model
2.3	No of compartments
2.4	Total Dimension (Approximately)
2.5	MOC of the Chamber
2.6	Lid or Door
2.7	Control panel
2.8	Flow Meter for CO₂
2.9	Quantity
2.10	Power requirement
3	Specific Requirement
3.1	The design feature of the equipment shall preferably facilitate individual chamber operation or in groups there by optimizing CO ₂ usage.
3.2	Each compartment shall have an inlet and outlet valve with stopcock or vendor to specify
3.3	CO ₂ flow rate shall be adjustable through regulator
4	Other Requirement
4.1	Design of the equipment shall facilitate easy cleaning.
4.2	All bolts,nuts on the exterior part of equipment shall be preferably with caphead or capnut.
4.3	There shall be no crevices, so as to avoid dust accumulation.
4.4	All parts of the machine exposed must be resistant to standard disinfectants or vendor shall provide the name of specific disinfectants.
4.5	Vendor to submit detailed fabrication drawing for approval before fabrication (if applicable)
4.6	All inter connecting pipes and accessories are under the vendor scope
4.7	Training/Demo for the users on operation and cleaning to be provided.
5	Safety Requirements
5.1	Chamber to be leak proof.
5.2	Proper Earthing is necessary (if applicable)
5.3	Appropriate closure of all parts.
6	Documents
6.1	IOQ documents.
6.2	Operation and maintenance manual shall be provided along with IQ and OQ Documents during installation at site.
6.3	Warranty letter for 1 year from the date of supply.
6.4	List of standard spare parts with ordering information.
6.5	Calibration certificate of critical instruments with respect to the traceable national reference standard

instrument and their procedure.

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S. No. Queries on URS of Schedule no 25 – Anesthesia system:

25 Anesthesia System		
	Data sheet point description of the specifications	
	Point modified as/ comment	
2.1	Model: cGMP (Compact and Versatile) (Table top or mobile mode)	Table top or mobile
2.3	Relative humidity : NMT 55 %	This point to be Deleted
2.4	Oxygen flush volume: 15-35 liters per minute @ 55 psi.	Sufficient to flush out anesthetic agent from Chamber
2.6	Gas pressure requirements: 50-55 psi.	This point to be Deleted
2.8	Oxygen flush : Plunger actuated, Spring return volume	This point to be Deleted
2.10	Dimension (WXDXH) : (280 x 220 x 360)mm or Vendor to specify	Chamber Dimension (16-18 L X 8-12 W X 10.5 -12 H) Inches or vendor to specify
3	Material of Construction	
3.1	4.1 Body frame : c GMP Compliance	This point to be Deleted
3.2	4.2. Valves : c GMP Compliance	This point to be Deleted
3.3	4.3. Bolts and screws : Stain-less steel	This point to be Deleted
3.4	4.4. Vaporizer : SS	This point to be Deleted
4	Specific Requirements	This point to be Deleted
4.5	Vaporizer should be fitted on non-skid feet	
4.11	A stopcock within each branch of the circuit should provide independent control of each branch.	This point to be Deleted
4.14	One charcoal filter should be connect to the induction chamber (air tight). Another charcoal filter should be connect to end of the patient breathing circuit.	This point to be Deleted
4.15	Accessories required: <ul style="list-style-type: none"> • Mouse and rat-sized nosecones • Oxygen flow meter, oxygen flush valve, Precision vaporizer and oxygen hose assembly with threaded DISS connections. • 2 - Chambers (air tight) and charcoal filters. • Blue connector (Black tubing) 	Accessories required: <ul style="list-style-type: none"> • Mouse and rat-sized nosecones • Oxygen flow meter, oxygen flush valve, Precision vaporizer and oxygen hose assembly with threaded DISS connections. • 2 - Chambers (air tight) and charcoal filters.
5	Other Requirements	
5.3	Vendor to give code numbers for each component	This point to be Deleted
6	Regulatory aspects	
6.1	c GMP compliances	
New addition : Type of Vaporizer Equipment should be suitable for Isoflurane		Equipment shall comply with all safety requirements
New addition : Mounting : Mobile and Table top option anesthesia stand for the Vaporizer and flow meter		

For HLL Biotech Limited



18/4/16..

Head - Procurement