

<u>AMENDMENT – V TO MINUTES OF THE MEETING</u>

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

Document No. :

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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

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



	Tender for Supply , Installation, Commission
S. No.	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:

S.No.	Euthanasia chamber:			
1				
	and paints and paints and paints and paints	uthanization is a proceed		
	reasons Total	ted on termination of any		
	Process Requirement: Lab animal euthanization is a procedure by which laboratory animals are kill reasons, Euthanasia chambers are designed for this purpose where in regulated CO2 (approved in euthanasia gas) will be used			
2	reasons, Euthanasia chambers are designed for this purpose where in regulated CO ₂ (approved inhalar Technical specification			
2.1				
2.2	Type	Digital PLC LIMI I		
2.3		Digital PLC-HMI based system (or) Vendor to specify Table top (or) Vendor to specify		
2.4	No of compartments	Table top (or) Vendor to specify Single or 2 comments		
	Total Dimension (Approximately)	Single or 2 compartments or 4 compartments or vendor to specify Single chamber or 2 chambers or 4 chambers		
2.5	B500 64	Single chamber or 2 chambers or 4 chambers – Vendor to specify		
2.6	MOC of the Chamber	Thick transparent Applies I		
2.0	Lid or Door	Thick transparent Acrylic sheet or vendor to specify		
2.7		migod dol ville lift for door and all the		
/	Control panel	prevent CO2release.		
		Preferable option shall be touch screen color display with different modes like slow flow, fast flow, dwell with their representations.		
		modes like slow flow, fast flow, dwell with their respective time		
.8	Pel	period from the control panel or manual control with regulator		
.9	Flow Meter for CO2	Flow meter to control to		
	Quantity	Flow meter to control the flow of CO2 shall be provided 4 Nos		
10	Power recei			
	Power requirement	To be compatible with standard Indian power supply sockets (if applicable)		
	Specific Requirement	applicable) applicable)		
1	The design feature of the			
-	The design feature of the equipment shall preferably facilitate individual chamber operation or in groups Each compartment of the equipment shall preferably facilitate individual chamber operation or in groups			
2	Foot a optimizing CO2usage.	ndividual chamber operation or in groups		
3	The state of the s			
·	ch compartment shall have an inlet and outlet valve with stopcock or vendor to specify			
4 Other Requirement		- January		
	Design of the equipment about 5			
	Design of the equipment shall facilitate ea	sy cleaning.		
4.2 All bolts, nuts on the exterior part of equipment shall be p 4.3 There shall be no crevices, so as to avoid dust accumulated and parts of the machine expected.		dust accumulation		
1 1	All parts of the machine exposed must be	resistant to atom to the control of		
	name of specific disinfectants.	dust accumulation. resistant to standard disinfectants or vendor shall provide the		
	The substitution of the su			
P	All inter connecting pipes and accessories raining/Demo for the users on operation of	ng for approval before fabrication (if applicable)		
	raining/Demo for the users on any	are under the vendor scope		
S	Training/Demo for the users on operation and cleaning to be provided. Safety Requirements			
C	Chamber to be to all			
D	Chamber to be leak proof.			
1	Proper Earthing is necessary (if applicable)			
	spropriate closure of all parts			
D	ocuments			
10	OQ documents.			
O	perationandmaintenanceman			
W	arrantyletterfor1yoof	ovidedalongwithIQandOQDocumentadissis		
	arrantyletterfor1yearfromthedateofsupply.	ovidedalongwithIQandOQDocumentsduringinstallationat site.		
l ic	The of Stafford II share bode will			
	dibertia with ordering inf	Ormation		
	libration certificate of critical instruments	ormation. vith respect to the traceable national reference standard		



instrument and their procedure.

	render for Supply , Installation, Commissioning an	
S. No.	Tender for Supply , Installation, Commissioning and Queries on URS of Schedule no 25 – Apasthosis	validation of Lab Equipment's at PII, Coonoo
25	Queries on URS of Schedule no 25 - Anesthesia sys	stem:

25	Anesthesia System	
	Data sheet point description of the specifications	
	description of the specifications	Point modified as/ comment
2.1	Model: cGMP (Compact and Versatile) (Table top or mobile mode)	omment as/ comment
	mobile mode) (Compact and Versatile) (Table top or	Table top as well it
2.3	Relative humidite August	Table top or mobile
2.4	Relative humidity : NMT 55 %	This waste to the
	Oxygen flush volume: 15-35 liters per minute @ 55 psi.	This point to be Deleted
2.6	Gas processes	Sufficient to flush out anestheticagent from Chamber
2.8	Gas pressure requirements: 50-55 psi.	This state of the
0	Oxygen flush : Plunger actuated, Spring return volume	This point to be Deleted
2.10	Disco	This point to be Deleted
2.10	Dimension (WXDXH): (280 x 220 x 360)mm or Vendor to specify	
3	Vendor to specify (280 x 220 x 360)mm or	Chamber Dimension (16-18 L X 8-12 W X 10.5 -12 H
3.1	Material of Construction	Inches or vendor to specify
	4.1 Body frame : c GMD Compli	
3.2	The valves (: (all/ID ('omplies	This point to be Deleted
3.3	1 4.5. DOILS and screws : Stein less to	This point to be Deleted
3.4	T. Vapolizer SS	This point to be Deleted
4	Specific Requirements	This point to be Deleted
4.5	vaporizer should be fitted as a	10 pc beleted
4.11		This point to be Deleted
	provide independent control of each branch. One charcoal filter should be a should branch.	This point to be Deleted
1.14	One charcoal filter should be	point to be Deleted
	One charcoal filter should be connect to the induction chamber (air tight). Another charcoal filt	This point to be Deleted
	chamber (air tight). Another charcoal filter should be connect to end of the patient because if	The point to be Deleted
.15	connect to end of the patient breathing circuit. Accessories required:	
	Mouse and rat-sized nosecones Oxygon flam.	Accessorios
	• Oxygen flow mater	Accessories required:
	Oxygen flow meter, oxygen flush valve, Precision vaporizer and oxygen boss are all the precision of the	Mouse and rat-sized nosecones Oxygen flow resized.
	vaporizer and oxygen hose assembly with threaded DISS connections.	OAYUCII IIOW Meter Ayugan di
	*2 - Chamboro /cir.ti. t. o	vaporizer and oxygen hose assembly with threaded DISS connections.
	• 2 - Chambers (air tight) and charcoal filters.	• 2 - Chambarra / i iii
	Blue connector (Black tubing) Other Requirements	• 2 - Chambers (air tight) and charcoal filters.
3	Vendor to give	
	Vendor to give code numbers for each component Regulatory aspects	This water
1	Regulatory aspects	This point to be Deleted
	c GMP compliances	E-military -
W addi	ition : Type of Vaporizer Equipment should be suitable for tion : Mounting : Mobile and Table top option appetbasis	Equipment shall comply with all safety requirements
w audi	tion: Type of Vaporizer Equipment should be suitable fo tion: Mounting: Mobile and Table top option anesthesia For HLL Biotech Limited	or isoflurane sales, requirements
	top option allestnesia	stand for the Vaporizer and flow meter
	For HLL Biotech Limited	and motel

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