

MINUTES OF THE MEETING

PRE BID MEETING OF TENDER FOR SUPPLY, INSTALLATION, COMMISSIONING AND VALIDATION OF MICROFILTRATION SYSTEM AT PASTEUR INSTITUTE OF INDIA, COONOOR

Document No.:

NPI/110831/EQP/TD/03

Venue

HLL Lifecare Limited, Chennai

Date

31.07.2014

5

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Project

Revival Of DPT group of Vaccine Manufacturing Facility-PII, Coonoor

Attendees

See attached list of attendees

Issued by

CEO HBL

Issued on

4th Aug 2014

Issued from

NNE Pharmaplan India Limited, Bangalore

Agenda

Pre-bid Meeting for supply, installation, commissioning and validation of Microfiltration system at PII,Coonoor



S. No.	Tender for supply, installation, commissioning and validation of Microfiltration system at PII,Coonoor - T Doc No: NPI-110831-EQP-TD-03 Discussion Tender Enquiry Document: NPI-120310-EQP-TD-03										
Α											
	General Discussion Points										
1	There is no changes in terms & conditions of this Tender Enquiry Document: NPI-110831-EQP-TD-03										
. No.	Clarifications on URSs										
В	URS: - D-MFS 01, T-MFS 01										
	URS Point specificati	number and e on *	Point modified as/Comment/Inclusion								
1.	2.1 Operating Conditions: Temperature range: 0-40°C during process and 134 °C during SIP				2.1 Operating Conditions: Temperature range: 0-40°C during process and 121°C during SIP						
		Specifications	2.3 Vessel Specifications TABLE 2								
_	S.No.	Description	Purpose	MOC	S.No.	Description	Purpo	se	MOC		
2.	1	Top Closure	Flat Lid	SS316L	1	Top Closure	Torispheri		SS316L		
	5	Jacket	Hollow type; For temperature control	SS304	5	Jacket	Spiral typ		SS304		
	2.4 Vessel	design Specif	2.4 Vessel design Specifications TABLE 3								
3.	S.No.	Description	Purpose		S.No.	Descripti	ion	Purpos	e		
	1	Geometric volum	e 500L		1	Geometric v	olume Ve	endor to s	pecify		
4.	A. Dosing unit for feed/buffer/saline: Fermentor broth shall be transfer to feed tank of the system with the fixed piping with the help of sterile nitrogen/ sterile air through a sterile valve assembly.			A.Dosing unit:- i.For Buffer:- Reusable sterilizable SS housing with 0.22µm liquid filter (Code 7 type) with sterile valve assembly, which is to be sterilized along with vessel. ii.For Feed: Fermentor broth shall be transfer to feed tank of the system with the fixed piping with the help o sterile air through a sterile valve assembly.							
5.	D. Air Filters: Inlet Air filters: Reusable and sterilizable SS housing with 0.2/0.22µm sterile filter (Code 7) with manual diaphragm valve, which is to be sterilized along with vessel. Exhaust Air filters: Exhaust filter with manual diaphragm valve				 D. Vent Filters: Reusable sterilizable SS housing with 0.22µm sterile filter (Code 7 type) with manual diaphragm valve, which is to be sterilized along with vessel. 						
6.	F. Flush bottom valve : It should be zero dead leg type valve attached directly to the bottom of the vessel. The diaphragm shall be of PTFE type.				F. Vessel bottom valve : Diaphragm valve to be provided at the vessel outlet.						
7.	G. Feed Line:				G. Feed Line: Flow switch & Temperature sensor point Included						
8.	H. Permeate Line:				H. Permeate Line: Electromagnetic flow meter for measuring the flow of conductive fluids in process applications [point Included]						
9.	I. Retentate Line:				I. Retentate Line: • pH sensor [point Included]						



S. No.	Clarifications on queries							
10.		•	rried out along with the ump	J. CIP(Clean in Place): Manual CIP of the vessel and Auto CIP for cassettes to be carried out along with the associated pump.				
11 _s	Inlet air filter a	zation in Place) nd vent filter with ve at the filter ho	n associated manual	 K. SIP (Sterilization in Place): Inlet air filter and vent filter with associated manua diaphragm valve at the filter housing drain. – [Poin Deleted] 				
12.	membrane: Membrane ma		the microfiltration ent polymer with above se.	L. General characteristics of the microfiltration membrane: Membrane made up of equivalent polymer with above characteristics is optimal for use. [Point Deleted]				
13.	a 10" industria data trends as parameters etc	l touch screen la Graphs, synopt c).	ntroller and SCADA with arge HMI (Displaying ic view of running	N. Controller: PLC Based Controller with a min. of 10' touch screen HMI (Displaying data trends as Graphs, synoptic view of running parameters ,POP-up message during sequence etc).				
14.	 Sterilizing filter (0.2/0 manual dia Lower side was Port for ter Port for ph 	te Spray ball/s ass grade hydropho 0.22 µm filter) w aphragm valve all/ Bottom Cor mperatureindica I transmitter		P. Nozzles Schedule: Top Head Plate GMP type Spray ball/s assembly- static type - 360° 2No.s Sterilizing grade vent filter (0.22 µm ,Code7 type) with SS housing and manual diaphragm valve. Lower side wall/ Bottom Connection: Port for temperature indicator -Deleted Port for pH transmitter -Deleted Vessel bottom port				
15.		uggested capa working volume	city e) / 500L (Gross Volume)		4.1 Desired/ suggested capacity 400 L Vessel (working volume)			
	6.4 Level of in	strumentation		6.4 Level of instrumentation				
	Parameter	Purpose	Type of control and Instrumentation	Parameter	Purpose	Type of control and Instrumentation		
16.	Temperature	Monitor and control the temperature	RTD sensor and temperature indicator & controller on the tank and SIP drain	Temperature	Monitor ,indicate ,record and control the temperature	Temperature sensor		
	Flow rate	Monitor the rate of flow of retentate	Electromagnetic flow meter	Flow rate	Monitor,indicate and record the rate of flow of retentate and permeate	Electromagnetic flow meter		



essel Spe No. Des	mentioned positions Tecription					point no. 2,8,16			
essel Spe No. Des	ecifications T	ABLE 2		2.3 Vessel Sp		point no. 2,8,16			
No. Des	Closure				ecifications				
No. Des	Closure					2.3 Vessel Specifications TABLE 2			
1 Тор	Closure	Purpose			scription	Purpose MOC			
			MOC	1 To	Closure To	orispherical Lid SS31 6L			
5 .		Flat Lid	SS316L	5		piral type; For SS30			
	Jacket Hollow type; For temperature control		SS304	Note:- Jacket to be provided at the bottom of the					
		•		also.					
H. Permeate Line: 6.4 Level of instrumentation					H. Permeate Line: Electromagnetic flow meter for measuring the flo of conductive fluids in process applications - Deleted 6.4 Level of instrumentation				
perature	Monitor and control the temperature	temperatur & controlle	re indicator er on the	Temperature	record and	RTD sensor and temperature indicator & controller and SIP			
ductivity	To measure the conductivity during CIP	Conductivity sensor		control the temperature drain Conductivity- deleted					
	rameter perature ductivity	rameter Purpose Monitor and control the temperature the conductivity during CIP	rameter Purpose Type of construmentation Purpose Monitor and control the temperature temperature To measure the conductivity during CIP Conductivity	rameter Purpose Type of control and Instrumentation Monitor and control the temperature Monitor and control the temperature To measure the conductivity during CIP Conductivity sensor	perature Monitor and control the temperature ductivity To measure the conductivity during CIP Type of control and Instrumentation Type of control and Instrumentation RTD sensor and temperature indicator & controller on the tank and SIP drain Parameter To measure the conductivity during CIP 6.4 Level of in Parameter Parameter Fameter Conductivity sensor	of conductive fluids in proper devel of instrumentation Type of control and Instrumentation Parameter Monitor and control the temperature with conductivity during CIP Purpose Type of control and Instrumentation RTD sensor and temperature indicator & controller on the tank and SIP drain To measure the conductivity during CIP Of conductive fluids in properties of conductive fluids in properti			

For HLL Lifecare Limited

Chief Executive Officer

nne pharmaplan^o

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List of Attendees

Date:

31 July 2014

Client:

M/s. HLL Lifecare Limited, Chennai

Venue:

M/s. HLL Lifecare Limited, Chennal

Project:

Revival of DPT Vaccine Manufacturing Facility

Pre Bid Supply, Installation, Commissioning And Validation

Subject:

Of Microfiltration Systems

Name	Company	Signature
Rength. M.c	ALL	4.
Dr. B. Sundaraw	\$11 c	39 mm 301-
Vinay Kumar. K.S.	PIPL	29 mm 30/7
SHRETAS. SRIDHARAN	PIPL	1400
Deepu Navi	Merck Millipan	
Ponraj Pomusany	Herek Millyone	The
Dinesh krishnan		EE
Shilpa Rao	GE HC NNE Pharmaplan	Sulpetas
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