

Equipment Specification Data Sheet

Equipment Name: Water Purifier with RO + UV

Document No.: DS-ROV 01

Revision: 00

Project No.: 120310

Project Name: Integrated Vaccines Complex,
Chengalpattu


Block Code	Block Name	Identification No.	Capacity	Quantity
G1	Animal house	G1-ROV 01, 02	-	2


NNE Pharmaplan India Limited


Name	Designation	Signature	Date
Prepared by			
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Checked by			
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HLL Biotech Limited

Name	Designation	Signature	Date
Reviewed by			
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Equipment Specification Data Sheet		
HLL Biotech Limited, Chennai		
nne pharmaplan®	INTEGRATED VACCINES COMPLEX, CHENGALPATTU	
	Equipment Name	Water Purifier with RO and UV
	Project #	120310
	Document #	DS-ROV 01
		
1	Process requirements	
1.1	Purified water produced by Water purifier used in Quality control block for Media Preparation, Media plate preparation and Equipment cleaning including glass wares.	
2	Equipment ID	
2.1	G1-ROV 01	
2.2	G1-ROV 02	
3	Technical Specification	
3.1	Capacity	Out put: 25 Litre/ Hour
3.2	Output Conductivity, micS/cm	< 1
3.3	Output TOC, ppb	< 5
3.4	Output Bacterial count, cfu/ml	< 10 cfu/10 ml
3.5	Feed water specifications	Vendor to be specify
3.6	Throughput/recovery	>30%
3.7	Silica Rejection	> 99%
3.8	Feed water Available	Client to be specify
3.9	Feed water line size , NB	Vendor to be specify
3.10	Mounting accessories	Vendor to be specify
3.11	Automation	Fully Auto with possibility with manual override
3.12	Pretreatment system	To be determine and recommended by vendor after testing the water quality at site
3.13	Interconnecting piping	To be provided by vendor (MOC:PP/PTFE)
3.14	Storage tank Capacity	50 Lit.
3.15	Storage tank MOC	SS 316 L (Client should specify)
3.16	DQ,IQ,OQ	Protocol preparation and Execution required from vendor
3.17	O&M Manual	Required
3.18	P&ID with component list	Required
3.19	Maximum allowable time for	24 Hours
3.20	Data transfer/Acquisition	RS 232

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3.21	Raw/UPS Power requirement	To be specified by vendor for Generation and transfer pump in P&ID	
3.22	Lead time	12 Weeks	
3.23	Installation and qualification timelines	4 Weeks	
3.24	Spare parts list	To be provided with offer	
3.25	Alarm	Shall generate alarm during no flow, poor quality throughout or operational errors List of possible alarms and registry shall be provided with the offer	
3.26	Data integrity and archival/retrieval	Required	
3.27	Colour display for input and output water specifications	Required	
3.28	Warranty period /Defects liability period	To be specify by the vendor	
3.29	Annual Maintenance Contract	To be specify by vendor if they undertake this	
3.30	Space requirement for the s	To be specify by the vendor	
4	Material of Construction		
4.1	Storage tank	SS 316 L (Client should specify)	
5	Specific Equipment requirement		
5.1	The equipment shall be compatible for cleaning with all standard disinfectants.		
5.2	Training/demo for users on operations shall be provided.		
5.3	The apparatus shall be closed container to avoid external contaminant.		
5.4	Easy and convenient to operate		
5.5	The apparatus shall be autoclavable		
6	Other requirement		
6.1	The equipment must be easy to clean and shall be compatible for cleaning with all standard disinfectants		
6.2	Training for the users must be provided.		
7	Regulatory aspects		
7.1	CE certification		
8	Safety requirements		
8.1	Appropriate closure of all parts.		
8.2	On power failure equipment should come in fail safe condition		

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9	Documents		
9.1	Following documents, but not limited to these, are expected from the vendor as part of the supply package in hard copy as well as editable electronic file		
9.2	IOQ Protocol.		
9.3	Operation and maintenance manuals shall be provided along with IQ and OQ documents during installation at site		
9.4	Calibration certificate of critical instruments with respect to the traceable national reference standard instrument and their calibration procedure.		
9.5	Warranty Letter for Minimum 1 year.		
9.6	Vendor should provide list of standard spare parts with ordering information.		
9.7	Vendor should provide list of change parts (if applicable) with ordering information		
10	Timelines		
10.1	Not Applicable		
	NOTE: Accurate size and technical specification need to be mentioned by the vendor		
11	Preferred List of Makes		
11.1	EUREKA FORBES, KENT		

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TABLE NO: 1					
Equipment ID	Block Name	Room Name	Room No	Room dimension in mm	Room height in mm
G1-ROV 01, 02	Animal house	-	-	-	-
Table-2: Change Log					
Date	Name	Revision	Section	Change/Comment	
29-10-2015	Niharika Ruhela	00a	-	New document	
Table-3: Annexure					
Not applicable					

