

MINUTES OF MEETING		
Bright Pharma Engineering Pvt. Ltd	Date:- 22 /08/2022	
Serial No.:- As per below sheet	P.O. No.:- 4511003730	P.O. Date :- 31.08.2021
Place: - M/s. Indian Immunologicals Limited., Survey No. 281-284 & 321, Biotech Park Phase III, Karakapatla Markook Mandal, Siddipet, Dist- Telangan-502281, India.	Project: KH08 block Viral Antigen Project.	
<b>Subject:- commissioning and qualification of manufacturing vessels at KH08 block.</b>		
Person Present Of Bright Pharma Mumbai, INDIA and M/s. Indian Immunological Limited. Karkapatla		
<b>Name / Signature(Bright Pharma)</b>	<b>Name / Signature(IIL)</b>	
Mr. Rahul Yevale 	Mr. Madhukar.V 	
	Mr. K. Sreenivasa Chari 	
	Mr. Thrinath Kumar. K 	
	Mr. Veerabhadra rao.CH 	
	Mr. P. Ramakrishna 	
	Mr. G. Balaji 	

MOM points of Antigen Project	
MOM Points	Comments
Mr. Rahul Yevale. Visited to M/s. Indian Immunological Limited. karakapatla 01/06/2022 to 22/08/2022 for Installation and commissioning of process vessels in Antigen Project Block.	Ok
IQ Done for 17 Vessels (BSL3 / 07 Vessels) and (BSL2 / 10 Vessels)	Found Satisfactory.
OQ Done for 16 Vessels and found satisfactory.	Found Satisfactory.
All Process checked i.e. Semi Auto/Auto/SIP/PLT/Auxiliary checked and found satisfactory.	Found Satisfactory.
OQ pending for 01 Vessels from BSL2 / Inactivation Vessel	Due to cooling line not available
Inactivation Vessel 01 no's Angle Valve and Temperature sensor not working properly need to send Bright Pharma for rectification of issue.	Ok Bright will rectify the issue and send back to IIL.
Mixing Vessel 02 no's Charging hole clamp not fixing properly, need to send Bright Pharma for rectification of issue.	Ok Bright will rectify the issue and send back to IIL.
All Printers (15No's), pH and DO sensors Installed and handover to IIL persons.	OK
Replacement of 03 no's of Dot Matrix printers with laser jet Printers.	Ok, Bright will Replace the Printer, please send 03 no's

<b>MOM points of Antigen Project</b>	
<b>MOM Points</b>	<b>Comments</b>
	Dot matrix printer to Bright Pharma
Required 3 Nos of D links	Ok, Bright will provide.
Required HMI Manual	Ok, Bright will provide.
Required Updated DQs (FS) as discussed	Ok, Bright will provide.
Program Backup required of all vessels (in vessel one CD)	Ok, Bright will provide.
DQ and IQ and GA P&ID Bright sign pages required.	Ok, Bright will provide.
SCADA Installation and qualification is pending	Bright Pharma will complete the SCADA installation and qualification as soon as possible
Inactivation Vessel BSL2 OQ not done due to Utilities not available	Bright Pharma will complete the Inactivation vessel OQ as soon as possible
Holding Vessel 1000Ltrs not Installed and related spares handed over to IIL(Spares list as per sheet attached)	Bright pharma shall complete commissioning and qualification whenever IIL give the communication.
Support required from Bright pharma if any discrepancy observed during trial runs or during actual production process	Ok, Bright will provide.

<b>Sr. No.</b>	<b>Vessel Name</b>	<b>Vessel Sr. No.</b>
1	Harvest Vessel-800Ltrs	IIL/HV-800/001/2021-22
2	Holding Vessel for Inactivated Viral Harvest -1000Ltrs	IIL/HV-1000/001/2021-22
3	Inactivation Vessel-800Ltrs	IIL/IV-800/001/2021-22
4		IIL/IV-800/002/2021-22
5		IIL/IV-800/003/2021-22
6	Media Holding Vessel-600Ltrs	IIL/MHV-600/001/2021-22
7		IIL/MHV-600/002/2021-22
8	Media Preparation Vessel-100Ltrs	IIL/MPV-100/001/2021-22
9	Media Preparation Vessel-250Ltrs	IIL/MPV-250/001/2021-22
10	Media Preparation Vessel-600Ltrs	IIL/MPV-600/001/2021-22
11	Mixing Vessel-100Ltrs	IIL/MV-100/001/2021-22
12	Mixing Vessel-200Ltrs	IIL/MV-200/001/2021-22
13		IIL/MV-200/002/2021-22
14	Reservoir Vessel - 600Ltrs	IIL/RV-600/001/2021-22
15		IIL/RV-600/002/2021-22
16	SS Vessel for Buffer Collection & Storage Vessel-100Ltrs	IIL/SSV-100/001/2021-22
17		IIL/SSV-100/002/2021-22
18	SS Vessel for Buffer Collection & Storage Vessel-500Ltrs	IIL/SSV-500/001/2021-22

**SPARES Related to Holding Vessel submitted to IIL, while installing the holding vessel, the spare parts shall be provided by IIL to bright pharma.**

<b>Sr No</b>	<b>Detail</b>	<b>Make</b>	<b>Qty</b>
1	LX 310 Printer	Epson	1
2	Rupture disk	BS&B	18
3	FX5-8AD	Mitsubishi	1
4	Vessel Lamp Din Spanner	Bright	2
5	Pneumatic Tube 6mm	Festo	2
6	Male Post AB17041	Metenova	1
7	Impeller	Metenova	1
8	Knuckle Port dummy	Bright	1
9	PID valve connector	Gemu	1
10	AB05PFR2PVH4	PALL	1
11	Load Cell	Precia	3
12	Load cell plate	Bright	3
13	Jacket Valve PAV01/04/05	Avcon	3
14	FR Assy with PDV02	Janatic and Avcon	1
15	3C X 0.5 Cable	NA	10 Mtr
16	3C X 1.5 Cable	NA	10 mtr
17	Analogue output card(FX5-4DA-ADP)	Mitsubishi	1