



**KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED
BENGALURU**

**ANNEXURE 1
EQUIPMENT LIST**



Date: 23.09.23

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Doshi Consultant PVT Ltd

Sr.No	Process Equipment	Capacity	Qty	Vendor/Location	Tetaive delivery schedule	Remarks
UPSTREAM BLOCK						
1	Fermenter for Ceph-c & 7 ACA	250 KL	8	Pune /KAPL Ujjain site	March '24	
2	Fermenter for Enzyme production	25 KL	2	Chennai/KAPL Ujjain site	April .24	
3	Germinator for Ceph-c & 7 ACA	0.25 KL	6	Chennai/KAPL Ujjain site	April .24	
4	Primary Seed Fermenter for Ceph-c & 7 ACA	2.5 KL	6	Chennai/KAPL Ujjain site	April .24	
5	Secondary Seed Fermenter for Ceph-c & 7 ACA	25 KL	2	Chennai/KAPL Ujjain site	April .24	
6	Feeding Tank Vessels	60 KL	4	Pune/Mumbai/KAPL Ujjain site	April .24	
7	Feeding Tank Vessels	40 KL	4	Pune/Mumbai/KAPL Ujjain site	April .24	
8	Feeding Tank Vessels	20 KL	4	Pune/Mumbai/KAPL Ujjain site	April .24	
9	Feeding Tank Vessels	10 KL	2	Pune/Mumbai/KAPL Ujjain site	April .24	
10	Feeding Tank Vessels	5 KL	2	Pune/Mumbai/KAPL Ujjain site	April .24	
11	Feeding Tank Vessels	1KL	2	Pune/Mumbai/KAPL Ujjain site	April .24	
12	Media Mixing Vessels with agitator					
12.1	For Cepa C	100 KL	1	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
12.2	For Enzyme	10 KL	1	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
13	Harvest Tank for Ceph-c & 7 ACA with agitator	200 KL	1	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
14	Harvest Tank for Ceph-c & 7 ACA with agitator	100 KL	1	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
15	Harvest Tank for Enzyme with agitator	25 KL	1	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
16	Premate Tank for Ceph-c & 7 ACA With agitator	200 KL	1	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
17	Premate Tank for Ceph-c & 7 ACA With agitator	200 KL	1	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
18	Premate Tank for Enzyme with agitator	15 KL	2	Pune/Mumbai/Chennai/KAPL Ujjain site	May'24	
19	Micro filtration for Ceph-c & 7 ACA	240 Sq mtr	3	Vadodara/ Mumbai/Pune/KAPL Ujjain site	May'24	
20	Micro filtration for Enzyme	160 Sq mtr	1	Vadodara/ Mumbai/Pune/KAPL Ujjain site	May'24	
DOWN STREAM BLOCK						
21	Nano Filtration for Ceph-c & 7 ACA	2164 Sq mtr	1	Vadodara/ Mumbai/Pune/KAPL Ujjain site	May'24	
22	Ultra Filtration	500 Sq mtr	1	Vadodara/ Mumbai/Pune/KAPL Ujjain site	May'24	
23	Absorption Coloumn for Ceph-c & 7 ACA	50 KL	8	Pune/Mumbai/Hyderabad/KAPL Ujjain site	June'24	
24	Absorption Coloumn for Enzyme	25 KL	2	Pune/Mumbai/Hyderabad/KAPL Ujjain site	June'24	
25	Buffer tank with agitator for Ceph-c & 7 ACA	75 KL	2	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
26	Buffer tank with agitator for Enzyme	10 KL	1	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
27	Liquid collection Tank	25 KL	4	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
28	Elution tank	75 KL	4	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
29	Decolourisation Column	5 KL	6	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
30	Concentrated pooling tank	100 KL	3	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
31	Ultra Filtration suppotng tank	50 KL	1	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
32	Ultra Filtration suppotng tank	10 KL	2	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
33	SS Reactor for Enzyme	10 KL	2	Pune/Mumbai/Hyderabad/vadodara / KAPL Ujjain site	June'24	
34	Nano filtration supporting tank	50 KL	2	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
PHARMA BLOCK						
35	SS Reactor	25 KL	4	Pune/Mumbai/Hyderabad/vadodara / KAPL Ujjain site	June'24	

Sr.No	Process Equipment	Capacity	Qty	Vendor/Location	Tetaive delivery schedule	Remarks
36	Acid preparition tank	10 KL	2	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
37	ACID dosing tank	5 KL	4	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	
38	Storage tank	200 KL	4	Pune/Mumbai/Hyderabad/Chennai/ KAPL Ujjain site	June'24	