

Bulk Drug & Intermediate Manufacturing Plant

S No	Equipment/ Machinery	Qty	Capacity	MOC	Make
1	Centrifuge	1	48"	SS 316	Chemo Fab Industries, Mumbai
2	Tray Dryer	1	96 trays	SS 316	Prism Pharma Machinery, Ahmadabad
3	Tanks	4			
3.1	Tank A		1 kl	SS 316	
3.2	Tank B		0.8 kl	SS 316	
3.3	Tank C		3 kl	SS 316	
3.4	Tank D		3 kl	SS 316	
4	Pumps	7	5m ³ / hr	SS316 + PVDF	Johnson Pumps and Anticorrosive Equipment Pvt. Ltd.
5	Hoist	1	1 ton	MS	S Crane Engg Works, Mumbai
6	PP FRP Filter	1	---	PP FRP	EPP Composite Pvt Ltd, Mumbai

FIRST FLOOR

S No	Equipment/ Machinery	Qty	Capacity	MOC	Make
7	Reactors	4			
7.1	Reactor A		1.5 kl	SS 316	
7.2	Reactor B		1.5 kl	SS 316	
7.3	Reactor C		2.5 kl	SS 316	
7.4	Reactor D		2 kl	SS 316	
8	Reactors MSGL	2			
8.1	Reactor MSGL A		1.6 kl	MSGL	Swiss Glasscoat, Anand
8.2	Reactor MSGL B		1.6 kl	MSGL	Swiss Glasscoat, Anand
9	Tanks	2			
9.1	Tank A		450 litre	SS 316	
9.2	Tank B		720 litre	SS 316	
10	SS Column	1	3.5 m packet height	SS 316	

SECOND FLOOR

S No	Equipment/ Machinery	Qty	Capacity	MOC	Make
11	Reactor MSGI	1	3 kl	MSGI	Swiss Glasscoat, Anand
12	Condensers	5			
12.1	Condenser A		2 m3	SS 316	Kinam Engineering, Mumabi
12.2	Condenser B		6 m3	SS 316	Kinam Engineering, Mumabi
12.3	Condenser C		5 m3	SS 316	A to Z Sheet Metal Works

12.4	Condenser D		5 m3	SS 316	A to Z Sheet Metal Works
12.5	Condenser E		5 m3	SS 316	A to Z Sheet Metal Works
13	Day Tanks	6			
13.1	Day Tank A		1000 litre	MS	A to Z Sheet Metal Works
13.2	Day Tank B		750 litre	MS	A to Z Sheet Metal Works
13.3	Day Tank C		750 litre	SS 316	A to Z Sheet Metal Works
13.4	Day Tank D		500 litre	SS 316	A to Z Sheet Metal Works
13.5	Day Tank E		500 litre	SS 316	A to Z Sheet Metal Works
13.6	Day Tank Agitator F		1000 litre	SS 316	Ankleshwar
14	Vacuum Pump	1	5 mm Hg	----	Patkar Vacculab, Mumbai
15	Sparkler Filter	1	14" X 10 plates	SS 316	The Bombay Engineering Works

A. GMP with Clean Room facilities- Controlled Operation.

<u>GROUND FLOOR & FIRST FLOOR</u>					
S No	Equipment/ Machinery	Qty	Capacity	MOC	Make
1	Reactors	2			
1.1	Reactor A		2 kl	SS 316	Dipesh Engineering, Mumbai
1.2	Reactor B		2.5 kl	SS 316	Dipesh Engineering, Mumbai
2	Reactor	1	3 kl	MSGL	Swiss Glasscoat, Anand
3	Condensers	2			
3.1	Condenser A		3 m3	SS 316	Uma Chem Pharma, Boisar
3.2	Condenser B		10 m3	SS 316	Uma Chem Pharma, Boisar
4	Tanks	4			
4.1	Tank A		500 litre	SS 316	Uma Chem Pharma, Boisar
4.2	Tank B		500 litre	SS 316	Uma Chem Pharma, Boisar
4.3	Tank C		800 litre	SS 316	Uma Chem Pharma, Boisar
4.4	Tank D		800 litre	SS 316	Uma Chem Pharma, Boisar
5	Centrifuge	2	48" and 36"	SS 316	Chemo Fab Industries, Mumbai
6	Tray Dryer	2	48 and 96 trays	SS 316	Prism Pharma Machinery, Ahd
7	Fluid Bed Dryer	1	160 kg	SS 316	The Bombay Engineering Works
8	Octagonal Blender	2	1000 lt	SS 316	The Bombay Engineering Works
9	Vibro Screen	2	30"	SS 316	The Bombay Engineering Works
10	Multimill	1	3 HP	SS 316	The Bombay Engineering Works

- Utilities.

S No	Equipment/ Machinery	Qty	Capacity	Make
1	Boiler	1	2 TPH Multi fuel	Thermax Limited, Pune
2	RO Plant	1	2m3 / hr	Hi Tech Sweet Water Technology
3	Chilled Brine Plant	1	17.5 TR @ -15° C	Krislokhar Chillers,

4	Cooling Tower	1	150 m ³ / hr	Himgiri Cooling Towers, Mumbai
5	Air Compressor	1	23 cfm	Anest Iwata
6	Tripple Effect Evaporator*	1	12 KLD	Raheja Eco Tech Pvt Ltd
7	Steam Accessories	Lot	----	Thermax Limited, Pune
8	Tank Farm	13		
8.1	Tank A		20 kl (MS)	
8.2	Tank B		20 kl (MS)	
8.3	Tank C		10 kl (MS)	
8.4	Tank D		5 kl (MS)	
8.5	Tank E		1 kl (MS)	
8.6	Sintex Water Tank		3 kl	Sintex
8.7	Sintex Water Tank		5 kl	Sintex
8.8	Sintex Chemical Tank		3 kl (qty- 2)	Sintex
8.9	Sintex Chemical Tank		5 kl (qty- 4)	Sintex
8.10	Sintex Chemical Tank		3 kl (qty- 2)	Sintex
9	Pumps	8	5 – 150 m ³ hr	Antico, Jhonson & Kriloskar
10	Electrical Panels	Lot	----	Pyrotech and Vikas Controls
11	DG Set	1	125 kVA	UNDER NEGOTIATION
12	Storm Water Tank	1	125 kl	RCC, Civil

AIR HANDLING UNIT & FILTRATION LEVEL

S No	Facilities	Filtration In Micron		Return Air Filtration in Micron	Exhaust Filtration in Micron
		Room Level	System Level		
1	Clean Room 1 25 ± 2 Deg C.	0.3 Micron HEPA (EU-13)	05+10 Micron (EU09 +EU-04)	10 Micron (EU-03)	20 Micron (EU-03)
2	Clean Room 2 25 ± 2 Deg C.	0.3 Micron HEPA (EU-13)	05+10 Micron (EU09 +EU-04)	10 Micron (EU-03)	20 Micron (EU-03)
3	Reactor- GMP Atm.	-	05+10 Micron (EU09 +EU-04)	10 Micron (EU-03)	20 Micron (EU-03)
4	Micro Lab 25 ± 2 Deg C.	0.3 Micron HEPA (EU-13)	05+10 Micron (EU09 +EU-04)	-	-
5	Intermediate Plant Atm.	-	05+10 Micron (EU09 +EU-04)	-	-
6	Raw Material Dispensing & Sampling 25 ± 2 Deg C.	0.3 Micron HEPA (EU-13)	05+10 Micron (EU09 +EU-04)	10 Micron (EU-03)	20 Micron (EU-03)