



LIST OF EQUIPMENTS

SL NO.	EQUIPMENT	DESCRIPTION	NUMBER
PRODUCTION (INTERMEDIATE BLOCK)			
SS Reactors			
1	SSR-101	1.6 KL SS316 Reactor with Propeller stirrer	1
2	SSR-103	750 Lts SS316 Reactor with anchor stirrer and Having oil heating & Steam heating system maximum: working temperature 180 OC	1
3	SSR-104	1.0 KL SS316 Reactor with Anchor stirrer	1
4	SSR-105	1.6 KL SS316 Reactor with Anchor stirrer	1
5	SSR-106	1.0KL SS316 Reactor with Anchor stirrer	1
6	SSR-107	2.0 KL SS316 Reactor with Anchor stirrer	1
7	SSR-108	1.0 KL SS316 Reactor with Anchor stirrer	1
8	SSR-109	3.0 KL SS 316 Reactor with Anchor stirrer	1
9	SSR-111	3.0 KL SS 316 Reactor with Anchor stirrer	1
10	SSR-112	2.0 KL SS 316 Reactor with Anchor stirrer	1
11	SSR-113	3.0 KL SS 316 Reactor with Propeller stirrer	1
GL Reactors			
1	GLR-101	630 Lts GL Reactor with Anchor stirrer	1
2	GLR-102	630 Lts GL Reactor with Propeller stirrer	1
3	GLR-103	1.6 KL GL Reactor with Propeller stirrer	1
4	GLR-104	2.0 KL GL Reactor with Anchor stirrer	1
5	GLR-105	1.0 KL GL Reactor with Anchor stirrer	1
6	GLR-106	3.0KL GL Reactor with Anchor stirrer	1
7	GLR-107	1.6 KL GL Reactor with Propeller stirrer	1
Hydrogenators (Autoclave)			
1	HYD-101	1.0 KL SS 316 Hydrogenator with designed pressure 15 Kg	1
2	HYD-102	1.5 KL SS 316 Hydrogenator with designed pressure 18 Kg	1
SS Centrifuges			
1	SSCF-001	36" SS316 Centrifuge with flame proof motor and VFD controller	1
2	SSCF-002	36" SS316 Centrifuge with flame proof motor and VFD controller	1
3	SSCF-003	36" SS316 Centrifuge with flame proof motor and VFD controller	1

Rubber Lined Centrifuge

1	RLCF-001	36" MSRL Centrifuge with flame proof motor and VFD controller	1
---	----------	---	---

Sparkler Filters

1	SSFTR-001	SS316 Solid hold up capacity -10Kg	1
2	SSFTR -002	SS316 Solid hold up capacity -10Kg	1

SS Nutch Filters

1	SSNF-001	SS316 60Kg Capacity	1
2	SSNF-002	SS316 80Kg Capacity	1
3	SSNF-003	SS316 25Kg Capacity	1

PP Nutch Filter

1	PPNF-003	PP 50Kg Capacity	2
---	----------	------------------	---

Pressure Nutch Filter

1	SSPNF-001	SS316 150 Kg hold up capacity	1
---	-----------	-------------------------------	---

Driers

1	SSTD-001	Steam SSTD 100Kg (48 Trays) Capacity with flame proof motor: Maximum drying temperature: 90 to 100 OC	1
2	SSTD-002	Steam SSTD 100Kg (48 Trays) Capacity with flame proof motor: Maximum drying temperature: 90 to 100 OC	1
3	SSTD-003	Steam SSTD 200Kg (96 Trays) Capacity with flame proof motor: Maximum drying temperature: 90 to 100 OC	1
4	SSVTD-001	SSVTD 60Kg (24Trays) Capacity, Vacuum 550-600 mm/Hg	1

Fluid Bed Dryer (FBD)

1	FBD-001	SS316 500 Kg Capacity	1
---	---------	-----------------------	---

Multimill

1	SSMM-001	SS 316 200Kg /Hrs Capacity	1
---	----------	----------------------------	---

UTILITIES

Boilers

1	BLR-001	600 Kg Capacity steam generator boiler	1
2	WBLR-001	1.0 Ton Capacity steam generator boiler	1
3	TBLR-001	600 Kg Capacity oil boiler, working temperature: 200 OC	1

Generator			
1	DG-001	320 KVA Capacity	1
Chilling Plant			
1	CHP-001	17TR/Hr Capacity	1
2	CHP-002	20TR/Hr Capacity	1
Cooling Tower			
1	CTR-001	120TR/Hr Capacity	1
2	CTR-002	60TR/Hr Capacity	1
3	CTR-003	50TR/Hr Capacity	1
Fire Hydrant System			
1	FRHY	Electrical motor driven Jockey pump of vertical inline multistage type, capable to deliver 180 LPM at 80 MWC. The pump will be coupled to TEFC motor of 7.5HP with speed of 2900 rpm	1

API BLOCK (CLEAN ROOM = 100000 CLASS AREA)

Reactors			
1	SSRGMP-101	750 Lts SS316 Reactor with anchor stirrer	1
Centrifuge			
1	SSCFGMP-001	24" SS 316 Centrifuge with flame proof motor Trolley mounted	1
Vacuum Tray Dryer			
1	SSVTDGMP-001	SS 316 24 Trays Working Capacity 90 Kgs	1
Rotary Paddle Vacuum Dryer			
1	RPVDGMP-001	SS316 working Capacity 500Lts	1
Multimill			
1	SSMMLGMP-001	SS 316 200Kg/hrs Capacity	1
Blender			
1	SSBLDRGMP-001	SS 316 Double cone Blender working capacity 500 Lts	1
Sifter			
1	SSSFTRGMP-001	SS 316 24 Vibro sifter single mesh with flame proof motor	1
Weighing Scale			
1	WSDGMP-001	SS-314 100Kg Capacity Digital electronic display flame proof	1

QUALITY CONTROL (LABORATORY INSTRUMENTS)

1	HPLC	WATERS-510, 486 UV DETECTOR, ISOCRATIC, MANUAL INJECTION WITH COLUMN OVEN	1
2	HPLC	WATERS-e2695 SEPARATIONS MODULE, QUATERNARY GRADIENT AUTO SAMPLER, AUTO INJECTOR, COLUMN OVEN WITH WATERS 2998 PHOTODIODE ARRAY DETECTOR	1
3	HPLC	SHIMADZU PROMINENCE-i, LC2030C 3D PDA SYSTEM	1
4	GC	CHEMITO-7610, MANUAL INJECTION	1
5	UV	SHIMADZU-1601	1
6	STABILITY CHAMBERS	THERMO LAB 2Trays 400Lts capacity, temperature range- 20OC to 60 OC, Humidity 40% RH to 98% RH	1
		THERMO LAB 2Trays 600Lts capacity, temperature range- 40OC to 80 OC, Humidity 25% RH to 75% RH	1
7	ANALYTICAL BALANCE	PRECISA (Capacity-1mg to 200gm)	1
8	MELTING POINT	CAMPBELL Manual	1
9	pH METER	UTECH (Digital)	1
10	HOT AIR OVEN	ADVANTECH (2 trays) 5Kg capacity	1
11	VACUUM OVEN	SERVELL (2 trays) 3 Kg capacity	1

PILOT PLANT

All Glass Line Assembly (AGL)

1	AGL/PL-101	100 Lts AGL with hot and cold reaction maximum working temperature range 80 to 90 OC	1 No
2	AGL/PL-102	50 Lts AGL with oil heating system (Distillation unit)	1 No
3	AGL/PL-103	100 Lts AGL with oil heating system (Distillation unit)	1 No

Hydrogenator (Autoclave)

1	HYD/PL-001	SS 316 5.0Kg Capacity designed pressure 5 Kg	1 No
---	------------	--	------

Centrifuge

1	SSCF/PL-001	16" SS 316 Centrifuge and flame proof motor	1 No
---	-------------	---	------

Vacuum Tray Dryer

1	SSVTD/PL-001	SS 316 12 Trays Working Capacity 45 Kgs	1 No
---	--------------	---	------

Multimill

1	SSMML/PL-001	SS 316 50Kg/hrs Capacity	1 No
---	--------------	--------------------------	------