

## Lab Equipments

Sr. No.	Name of Machine (Capacity)	Identification No.	Location
1	Glass Reactor (10 Ltr.)	GLR-01	kilo Lab
2	Glass Reactor (20 Ltr.)	GLR-02	kilo Lab
3	Glass Reactor (50 Ltr.)	GLR-03	kilo Lab
4	Glass Reactor (100 Ltr.)	GLR-04	kilo Lab
5	Glass Reactor (100 Ltr.)	GLR-05	kilo Lab
6	Glass Pressure assembly (5 Ltr.)	GLRP-01	kilo Lab
7	Glass Extractor (50 Lit.)	GE-01	kilo Lab
8	Glass Fractionation Reactor (50 Ltr.)	GFR-01	Pilot Plant
9	Glass Fractionation Reactor (100 Ltr.)	GFR-02	Pilot Plant
10	Glass Fractionation Reactor (100 Ltr.)	GFR-03	Pilot Plant
11	Glass Distillation Unit (50 Ltr.)	GDU-01	Pilot Plant
12	Glass Distillation Unit (50 Ltr.) with Stirring	GDU-02	Pilot Plant
13	SS Reactor (125 Ltr.)	SSR-01	kilo Lab
14	SS Reactor (500 Ltr.)	SSR-02	Pilot Plant
15	SS Reactor (2000 Ltr.)	SSR-03	Pilot Plant
16	Wipe Film Evaporator (WFE)	ATFE-01	Pilot Plant
17	Auto Clave (25 Ltr.)	PV-03	Pilot Plant
18	Auto Clave (100 Ltr.)	PV-04	Pilot Plant
19	Circulation Pump (Oil)	CP-02	kilo Lab
20	Circulation pump (Hot Oil)	CP-01	Pilot Plant
21	Circulation Pump (ETP)	CP-03	ETP
22	Circulation pump ( Scrubber)	CP-04	ETP
23	Circulation Pump ( ETP Movable)	CP-05	Pilot Plant

24	Circulation Pump ( Cooling tower)	CP-06	Pilot Plant
25	Feed Pump	FP-01	Pilot Plant
26	Vacuum Pump KD-50	VP-04	Pilot Plant
27	Vacuum Pump KD-50	VP-05	Pilot Plant
28	Vacuum Pump KD-30	VP-06	Pilot Plant
29	Compressor	COM-01	Pilot Plant
30	SS Filter (volume 41 Lit.)	NF-01	kilo Lab
31	Filter (PPFRP) (110 Lit.)	NF-02 (PPFRP)	Pilot Plant
32	Filter (PPFRP)	NF-03 (PPFRP)	ETP
33	SS-Centrifuge (12")	CF-01 (SS)	kilo Lab
34	SS-Centrifuge (16")	CF-02 (SS)	Pilot Plant
35	Tray Drayer (6 Tray)	TD-01	kilo Lab
36	Tray Drayer -24 Tray	TD-02	Pilot Plant
37	Rotocon Vaccum Drayer (200 Kg)	RVD-01	Pilot Plant
38	PPFRP Reactor (2000 Lit.)	FRP-01	Pilot Plant
39	PPFRP Settling Tank (750 lit )	FRP-02	ETP
40	HDPE Tank (ETP) 5KL	T-01	ETP
41	HDPE Tank (ETP) 5KL	T-02	ETP
42	HDPE Tank (ETP) 2KL	T-03	ETP
43	Cooling Tower	CT-01	Pilot Plant
44	Gas Scrubbing Assembly (HDPE)	GS-01	Pilot Plant
45	M.S Lifting Structure - (Crane Type Arrangement)		Pilot Plant
46	Trolly-1 T. Capacity		Pilot Plant
47	Multi Mill	MM-0	Pilot Plant

**Lab Instruments list:**

1.	HPLC	HPLC-01
2.	Gas Chromatography (Shimadzu)	GLC-01
3.	Gas Chromatography (Cerus)	GLC-02
4.	Polarimeter	PM-01
5.	Melting point Apparatus	MP-01
6.	pH Meter	pHM-01
7.	Karl Fischer Titrator	KF-01