

TENTATIVE UTILITY CONSUMPTION						Date :- 11-03-2024
COMPRESSED AIR - N.L.)						
SR.NO.	CODE	DISCRIPTION	COMPRESSED AIR - NL Consumption - CFM	Required Pressure (Kg/cm ²)	Purpose	
GROUND FLOOR						
OINTMENT SECTION						
1	UG4	Ointment Mfg. Plant (Batch Size:100kg)	10	6	For plant	
2	UG4 - A	Ointment Manufacturing Plant - For Temperature Control Module (Steam line)	2	6	For Modulating Temperature Control Valve	
3	UG6	Fill/ Seal machine	15	6	-	
4	UG8	Cartoning machine	2	6	-	
5	UG -C	Condensate recovery system	10	6	-	
6	UG -D	Unloading Bay	2	2	For General Pupose	
7	UG -E	Herbs processing	2	2	For External Cleaning	
8	UG -F	Pulverising & Sifting 1	2	2	For plant	
9	UG -G	Pulverising & Sifting 2	2	2	For plant	
10	UG -H	Workshop (Inside the room)	2	2	For General Pupose	
UTILITY - BOILER SECTION						
11	UG-U1	For Boiler - 1 (Capacity : 750KG/Hr)	5	6	For Operation	
12	UG-U2	For Boiler - 2 (Capacity : 750KG/Hr)	5	6	For Operation	
13	UG-U3	For Online Boiler Efficiency Monitoring System	5	6	-	
FIRST FLOOR						
QC & MICRO SECTION						
14	UF1	Instrument Room	2	2	-	
15	UF2-1	Wet Lab	2	2	-	
16	UF2-2	Wet Lab	2	2	-	
17	UF3	Wet & Hot Zone	2	2	-	
18	UF4	Chemist room	2	2	-	
19	UF5	Media preparation	2	2	-	
20	UF8	Sterility test	2	2	-	
OPHTHALMIC SECTION						
21	UF9	Unit Preparation (Autoclave)	5	6	For Cleaning	
22	UF11	Manufacturing vessel - 100 liters	5	6	For Operation	
23	UF11-A	Manufacturing Vessel - For Temperature Control Module - Steam line	2	6	For Modulating Temperature Control Valve	
24	UF13	Aseptic Filling & Closing machine	10	6	For Operation	
25	UF14	Contact parts preparation - Equipment Autoclave	15	6	For Operation	
26	UF14-A	Equipment Autoclave - For Temperature Control Module - Steam line	2	6	For Modulating Temperature Control Valve	
27	UF-B	Boiler Feed Water Tank make-up On-Off Piston Actuated Valve with Solenoid Valve	5	6	For Piston Actuated Valve	
28	UF-C	Inspection & Labelling machine	5	6	Provision	

SR.NO.	CODE	DISCRIPTION	COMPRESSED AIR - NL Consumption - CFM	Required Pressure (Kg/cm ²)	Purpose
SECOND FLOOR					
Mothertincture section					
	US3	Filling line - 5 (odour liquid)			
29	US3.1	Semi Automatic four head filling machine	10	6	-
30	US3.2	Labelling machine	5	6	-
	US4-1	Filling line - 3			
31	US4-1.1	Automatic four head filling machine	10	6	-
32	US4-1.2	Automatic single head screw capping machine	10	6	-
33	US4-1.3	Labelling machine	5	6	-
	US4-2	Filling line - 4			
34	US4-2.1	Filling machine	10	6	-
35	US4-2.2	Capping machine	10	6	-
36	US4-2.3	Labelling machine	5	6	-
Back Potency Section					
	US9	Filling line 1			
37	US9.1	Automatic four head filling machine	10	6	-
38	US9.2	Automatic single head screw capping machine	10	6	-
	US10	Filling line 2			
39	US10.1	Automatic four head filling machine	10	6	-
40	US10.2	Automatic single head screw capping machine	10	6	-
41	US10.3	labelling machine	5	6	-
42	US7.4	Tray Drier -1 - For Temperature Control Module - Steam line	2	6	For Modulating Temperature Control Valve
43	US7.5	Tray Drier -2 - For Temperature Control Module - Steam line	2	6	For Modulating Temperature Control Valve
Tablet Section					
44	US15	RMG (Rapid mixture Granulator) - 600 ltrs	40	6	Process Control
45	US16	FBD (Fluid Bed Dryer) - 250 kgs	15	4	Process Control
46	US19	Octagonal Blender - 1200 litres	25	6	Process Control
47	US20	Compression - 1 (45 station - double rotary)	15	8	-
48	US22	Compression - 2 (75 station - double rotary)	15	8	-
49	US25	Blister packing machine	15	6	-

SR.NO.	CODE	DISCRIPTION	COMPRESSED AIR - NL Consumption - CFM	Required Pressure (Kg/cm ²)	Purpose
	US26	Bulk Packing line			
50	US26.1	Air ject cleaner system with worm arrangement	10	6	-
51	US26.2	Single head screw type capping machine	8	6	-
52	US26.3	Induction sealing machine	10	5	-
53	US - A	Trituration Room	5	6	Provision
54	US - B	Bottle washing	5	6	
55	US - C	Inspection Cum Quarantine	5	6	
56	US - D	Packing Hall (Blister / Bulk)	5	6	
57	US - A	Herbs Store	2	2	
SERVICE FLOOR					
58	USR1	Filter Wash	5	6	-
59	USR3	WFI Plant - 150 LPH	15	7	
60	US16	APU - FOR FBD - For Temperature Control Module - Steam line	2	6	For Modulating Temperature Control Valve
61	USR4	WFI storage tank - 300L - For Temperature Control Module - Steam line	2	6	
62	USR5	Pure Steam Generator - 100kg/hr	15	7	
63	USR5	Pure Steam Generator - 100KG/Hr - For Temperature Control Module - Steam line	2	6	For Modulating Temperature Control Valve
64	USR3	WFI plant - 150 LPH- For Temperature Control Module - Steam line	2	6	
65	USR6	Purified water plant - 2000 liters	25	6	
66	USR6	PW storage tank - 1000L - For Temperature Control Module - Steam line	2	6	For Modulating Temperature Control Valve
67	USR -A	Herbs store	2	2	Provision
TERRACE FLOOR					
68	PSR1	Pressure Reducing Station (PRS1) (pressure 10.5 to 6.0 bar)	5	6	For PRV Control
69	PSR2	Pressure Reducing Station (PRS2) (pressure 10.5 to 3.5 bar)	5	6	
SOLVENT STORAGE - ANCILLARY BUILDING					
70	USS1	Raw Materia Store	10	8	-
71	USS2	Blending Room	10	8	-
Total Consumption			518		
Total no. of user points			71 Nos.		
Peak Consumption (Kg / cm ²)			300 CFM		
Proposed Compressor Capacity - 2 Nos.			200 & 200 CFM @ 8.5 to 10 kg/cm ²		
Air receiver capacity			3000 CFM		
Proposed compressor & receiver location			On First Floor		
NOTE :- CONSUMPTIONS & PRESSURES ARE APPROXIMATE , MAY VARY AS PER THE EQUIPMENTS / PROCESS REQUIREMENT.					