



PHARMA DEVILS
QUALITY ASSURANCE DEPARTMENT

CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF WATER SYSTEM

S.No.	Name of Instrument/ Measuring Devices	Instrument/ Measuring Devices ID	Utilization	Automation	Impact on product/Quality	Availability of control measures for any discrepancy	Detectability	Factor AxBxCxDxE	Non Critical /Moderate/ Critical
			(A)	(B)	(C)	(D)	(E)	AxBxCxDxE	
Multi Grade Filter									
1	Pressure Gauge		4	4	1	3	3	144	Non Critical
2	Pressure Gauge		4	4	1	3	3	144	Non Critical
Softener									
3	Pressure Gauge		4	4	1	3	3	144	Non Critical
4	Pressure Gauge		4	4	1	3	3	144	Non Critical
Hydro Pneumatic Pump									
5	Pressure gauge		4	4	1	3	3	144	Non Critical
6	Pressure Switch		4	4	1	3	3	144	Non Critical
7	Pressure Switch		4	4	1	3	3	144	Non Critical
RO									
8	Conductivity Meter		4	3	2	3	3	216	Moderate
9	Conductivity Sensor		4	3	2	3	3	216	Moderate
10	ORP Meter		4	3	2	3	3	216	Moderate
11	ORP Sensor		4	3	2	3	3	216	Moderate
12	Pressure Gauge		4	4	2	3	3	288	Moderate
13	Pressure Gauge		4	4	2	3	3	288	Moderate
14	Pressure Gauge		4	4	2	3	3	288	Moderate
15	Pressure Gauge		4	4	2	3	3	288	Moderate
16	pH Meter		4	3	2	3	3	216	Moderate
17	pH Sensor		4	3	2	3	3	216	Moderate
18	Temperature transmitter		4	3	2	3	3	216	Moderate



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19	Temperature transmitter		4	3	2	3	3	216	Moderate
20	Temperature transmitter		4	3	2	3	3	216	Moderate
21	Pressure Switch		4	3	2	3	3	216	Moderate
22	Pressure Switch		4	3	2	3	3	216	Moderate
23	Flow Meter		4	4	2	3	3	288	Moderate
24	Flow Meter		4	4	2	3	3	288	Moderate
25	Flow Meter		4	4	2	3	3	288	Moderate
DM									
26	Pressure Gauge		5	4	2	3	3	360	Critical
27	Pressure Gauge		5	4	2	3	3	360	Critical
28	Pressure Gauge		5	4	2	3	3	360	Critical
29	Resistivity Meter		5	4	2	3	3	360	Critical
30	Resistivity Sensor		5	4	2	3	3	360	Critical
31	Temperature transmitter		5	4	2	3	3	360	Critical
32	Flow Meter		5	4	2	3	3	360	Critical
Ultra Filtration									
33	Pressure Gauge		5	4	3	3	3	540	Critical
34	Pressure Gauge		5	4	3	3	3	540	Critical
35	Pressure Gauge		5	4	3	3	3	540	Critical
36	Pressure Gauge		5	4	3	3	3	540	Critical
37	Pressure Gauge		5	4	3	3	3	540	Critical
38	Digital Temperature Controller		5	4	3	3	3	540	Critical



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			(A)	(B)	(C)	(D)	(E)	AxBxCxDxE	
39	Temperature Sensor		5	4	3	3	3	540	Critical
40	Flow Meter		5	4	3	3	3	540	Critical
41	Flow Meter		5	4	3	3	3	540	Critical
42	Pressure Switch		5	4	3	3	3	540	Critical
Purified Water System									
43	Pressure Gauge		5	4	3	3	3	540	Critical
44	Pressure Gauge		5	4	3	3	3	540	Critical
45	Pressure Gauge		5	4	3	3	3	540	Critical
46	Digital Temperature Controller		5	3	3	3	3	405	Critical
47	Digital Temperature Controller		5	3	3	3	3	405	Critical
48	Temperature Sensor		5	3	3	3	3	405	Critical
49	Temperature Sensor		5	3	3	3	3	405	Critical
50	UV Meter		5	4	3	3	3	540	Critical
51	Hour Meter		5	3	3	3	3	405	Critical
52	Compound Gauge		5	2	4	3	3	360	Critical
53	Conductivity Meter		5	2	4	3	3	360	Critical
54	Conductivity Sensor		5	2	4	3	3	360	Critical
55	Flow Meter		5	2	4	3	3	360	Critical
56	Level Sensor		5	2	4	3	3	360	Critical
Raw Water Pump-1									
57	Pressure Gauge		4	4	1	3	3	144	Non Critical



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			(A)	(B)	(C)	(D)	(E)	AxBxCxDxE	
Raw Water Pump-2									
58	Pressure Gauge		4	4	1	3	3	144	Non Critical
Canteen Pump									
59	Pressure Gauge		4	4	1	3	3	144	Non Critical
Dosing Pump									
60	Dosing Pump		4	2	2	3	3	144	Non Critical
61	Dosing Pump		4	2	2	3	3	144	Non Critical
62	Dosing Pump		4	2	2	3	3	144	Non Critical
63	Dosing Pump		4	2	2	3	3	144	Non Critical
64	Dosing Pump		4	2	2	3	3	144	Non Critical
65	Dosing Pump		4	2	2	3	3	144	Non Critical
66	Dosing Pump		4	2	2	3	3	144	Non Critical
67	Dosing Pump		4	2	2	3	3	144	Non Critical
Engineering Lab Instruments									
68	Vernier Caliper		3	2	1	3	3	54	Non Critical
69	Vernier Caliper		3	2	1	3	3	54	Non Critical
70	Infrared Thermometer		3	2	2	3	3	108	Non Critical
71	Digital Insulation Tester		3	2	1	3	3	54	Non Critical
72	Digital earth Tester		3	2	1	3	3	54	Non Critical
73	Differential Pressure Meter		3	3	1	3	3	81	Non Critical



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			(A)	(B)	(C)	(D)	(E)	AxBxCxDxE	
74	Air Velocity Meter		1	3	2	3	3	54	Non Critical
75	PH Meter		3	3	2	3	3	162	Non Critical
76	Sound Level		3	3	2	3	3	162	Non Critical
77	Humidity Temperature Meter		3	3	2	3	3	162	Non Critical
78	LUX Meter		3	3	2	3	3	162	Non Critical
79	Multi Meter		3	3	2	3	3	162	Non Critical
80	Clamp Meter		3	3	2	3	3	162	Non Critical
81	TDS Meter		3	3	2	3	3	162	Non Critical
82	Humidity & Temperature Meter		3	3	2	3	3	162	Non Critical
83	Clamp Meter		3	3	2	3	3	162	Non Critical
84	Digital Thermometer		3	3	2	3	3	162	Non Critical
85	Measuring Tape		3	3	2	3	3	162	Non Critical
86	Measuring Tape		3	3	2	3	3	162	Non Critical

Prepared By:

(Signature/Date): _____

Checked By:

(Signature/Date): _____