

Annexure - I**Technical Details for Butterfly Valves**

Enq. It. No.	BFV Size	TAG Nos	Fluid to be handled	Design Pressure	Test Pressure (Body)	Test Pressure (Door & Seal)	Design Temp	Max Flow	Operation *	Operation Time	End Connection	Connecting Pipe	Quantity
	NB			Kg/sqcm	Kg/sqcm	Kg/sqcm	Deg. C	m ³ /hr	H/E/M/M#	Seconds		OD X TK - mm x mm	Nos.
1	2600	CW-04,05,06,07	Sea Water	5.7	11.4	6.27	60	52878	E	50-60	Flanged (Weld neck)	2632 X 16	8
2	2200	CW-18	Sea Water	5.7	11.4	6.27	60	58240	E	50-60	Flanged	2232 X 16	2
3	2200	CW-09	Sea Water	5.7	11.4	6.27	60	58240	M	-	Flanged	2232 X 16	2
4	1200	CW-16	Sea Water	5	10	5.5	60	11713	E	50-60	Flanged	1219 X 12	1
5	900	CW-13,14,15	Sea Water	5	10	5.5	60	5857	E	30-50	Flanged	914 X 10	3
6	800	CW-08	Sea Water	5.7	11.4	6.27	60	5857	E	50-60	Flanged	813 X 10	2
7	800	ACW-02,04	Sea Water	8	16	8.8	60	4480	E	30-50	Flanged	813 X 10	4
8	800	ACW-32	Sea Water	8	16	8.8	60	4875	E	50-60	Flanged	813 X 10	2
9	800	ACW-10,11,12,13	Sea Water	8	16	8.8	60	4875	M	-	Flanged	813 X 10	8

* H/E/M/M# -Hydraulically Operated / Electrically Operated / Manually Operated / Manually operated with Limit switches

Notes:- Additional Items required with Butterfly Valves :

1) For Enquiry Item- 1,2 & 3 :-

Complete Foundation items (e.g. foundation plate & associated fasteners) required for erection of Valves.

2) For Enquiry Item- 1 (Centre Line Elevation = -2.85 m) :-

Complete Actuator stand assembly with extension shaft and associated couplings, keys & Hardware.