Item No.	Valve Number (KKS)									Valve Description	Manufacturer / Country of Origin	Design Condition		Fluid Medium	Valve Type	Nominal Valve Size	Valve Rating	Body Material	End Connection	Valve Operation	Reference P&ID	Remarks
	Level 0 (Total Plant)	Level 1 (System Code)			Level 2 (Equipment Code)			Level 3 (Component Code)				Press	Temp									
	G	F_3	$F_1F_2F_3$	F_M	A_1A_2	A_M	A_N	B_1B_2	B_N			(barg)	(°C)	(-)	(See Item 2.6 of Instrn Sht)	(DN)	(LB)	(-)	(See Item 2.10 of Instrn Sht)	(See Item 2.11 of Instrn Sht)		
5238	0	0	PBC	34	AA	861	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 1	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5239	0	0	PBC	34	AA	862	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 2	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5240	0	0	PBC	34	AA	863	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 3	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5241	0	0	PBC	34	AA	864	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 4	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5242	0	0	PBC	34	AA	865	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 5	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5243	0	0	PBC	34	AA	866	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 6	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5244	0	0	PBC	34	AA	867	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 7	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5245	0	0	PBC	34	AA	868	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 8	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5246	0	0	PBC	34	AA	869	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 9	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5247	0	0	PBC	34	AA	870	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 10	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5248	0	0	PBC	34	AA	871	N/A	N/A	N/A	SODIUM HYPOCHLORITE GENERATOR D ROW 4 DRAIN VALVE 11	HERSHEY	10	40	NAOCL	BALL	40	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0005	
5249	0	0	PBC	41	AA	101	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A INLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	200	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	WITH BRACELETS, THE HEIGHT OF VALVE IS +3,000M, VALVE HANDLE SS316
5250	0	0	PBC	41	AA	102	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A OUTLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	250	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5251	0	0	PBC	41	AA	801	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A DRAIN VALVE	GEMU	10	40	NAOCL	DIAPHRAGM	125	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5252	0	0	PBC	41	AA	301	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A MAGNETIC FLAP LEVEL METER ROOT VALVE 1	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5253	0	0	PBC	41	AA	302	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A MAGNETIC FLAP LEVEL METER ROOT VALVE 2	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5254	0	0	PBC	41	AA	303	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A PRESSURE TYPE LEVEL TRANSMITTER ROOT VALVE	GEMU	10	40	NAOCL	BUTTERFLY	80	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HAND SHANK	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5255	0	0	PBC	42	AA	101	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK B INLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	200	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	WITH BRACELETS, THE HEIGHT OF VALVE IS +3,000M, VALVE HANDLE SS316
5256	0	0	PBC	42	AA	102	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK B OUTLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	250	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5257	0	0	PBC	42	AA	801	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK B DRAIN VALVE	GEMU	10	40	NAOCL	DIAPHRAGM	125	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5258	0	0	PBC	42	AA	301	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK B MAGNETIC FLAP LEVEL METER ROOT VALVE 1	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5259	0	0	PBC	42	AA	302	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK B MAGNETIC FLAP LEVEL METER ROOT VALVE 2	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5260	0	0	PBC	42	AA	303	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A PRESSURE TYPE LEVEL TRANSMITTER ROOT VALVE	GEMU	10	40	NAOCL	BUTTERFLY	80	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HAND SHANK	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5261	0	0	PBC	43	AA	101	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK C INLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	200	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	WITH BRACELETS, THE HEIGHT OF VALVE IS +3,000M, VALVE HANDLE SS316
5262	0	0	PBC	43	AA	102	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK C OUTLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	250	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5263	0	0	PBC	43	AA	801	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK C DRAIN VALVE	GEMU	10	40	NAOCL	DIAPHRAGM	125	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5264	0	0	PBC	43	AA	301	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK C MAGNETIC FLAP LEVEL METER ROOT VALVE 1	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5265	0	0	PBC	43	AA	302	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK C MAGNETIC FLAP LEVEL METER ROOT VALVE 2	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5266	0	0	PBC	43	AA	303	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A PRESSURE TYPE LEVEL TRANSMITTER ROOT VALVE	GEMU	10	40	NAOCL	BUTTERFLY	80	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HAND SHANK	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5267	0	0	PBC	44	AA	101	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK D INLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	200	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	WITH BRACELETS, THE HEIGHT OF VALVE IS +3,000M, VALVE HANDLE SS316
5268	0	0	PBC	44	AA	102	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK D OUTLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	250	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5269	0	0	PBC	44	AA	801	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK D DRAIN VALVE	GEMU	10	40	NAOCL	DIAPHRAGM	125	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5270	0	0	PBC	44	AA	301	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK D MAGNETIC FLAP LEVEL METER ROOT VALVE 1	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5271	0	0	PBC	44	AA	302	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK D MAGNETIC FLAP LEVEL METER ROOT VALVE 2	GEMU	10	40	NAOCL	DIAPHRAGM	25	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5272	0	0	PBC	44	AA	303	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK A PRESSURE TYPE LEVEL TRANSMITTER ROOT VALVE	GEMU	10	40	NAOCL	BUTTERFLY	80	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HAND SHANK	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5273	0	0	PBC	40	AA	001	N/A	N/A	N/A	SODIUM HYPOCHLORITE STORAGE TANK OUTLET ISOLATION VALVE	GEMU	10	40	NAOCL	DIAPHRAGM	250	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	
5274	0	0	PBC	61	AA	101	N/A	N/A	N/A	DOSING PUMP FOR UNIT 5 A INLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	200	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5275	0	0	PBC	61	AA	301	N/A	N/A	N/A	DOSING PUMP FOR UNIT 5 A INLET PRESSURE GAUGE ROOT VALVE	HERSHEY	10	40	NAOCL	BALL	25	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0006	
5276	0	0	PBC	61	AA	302	N/A	N/A	N/A	DOSING PUMP FOR UNIT 5 A OUTLET PRESSURE GAUGE ROOT VALVE	HERSHEY	10	40	NAOCL	BALL	25	150	UPVC	SOCKET WELDED	MANUALLY BY HANDLE	TJB56-L3-OFF-C-PBC-M-PID-0006	
5277	0	0	PBC	61	AA	102	N/A	N/A	N/A	DOSING PUMP FOR UNIT 5 A OUTLET CHECK VALVE	SHANGHAI NO. FIVE VALVE FACTORY CO., LTD	10	40	NAOCL	CHECK	150	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	-	TJB56-L3-OFF-C-PBC-M-PID-0006	WAFER STYLE
5278	0	0	PBC	61	AA	103	N/A	N/A	N/A	DOSING PUMP FOR UNIT 5 A OUTLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	150	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316
5279	0	0	PBC	62	AA	101	N/A	N/A	N/A	DOSING PUMP FOR UNIT 5 B INLET VALVE	GEMU	10	40	NAOCL	BUTTERFLY	200	150	CARBON STEEL WITH BUTYL RUBBER LINED	FLANGED	MANUALLY BY HANDWHEEL	TJB56-L3-OFF-C-PBC-M-PID-0006	VALVE HANDLE SS316