

SCHEDULE - A
BILL OF MATERIAL FOR VALVES
SUPPLY,HANDLING,STORING,ERECTION & COMMISSIONING

Sl. No.	Description	Size (NB)	Operation	Specification	Qty. (Nos.)	SUPPLY		SERVICES	
						Unit Rate (Rs.)	Amount (Rs.)	Unit Rate (Rs.)	Amount (Rs.)
A.	INSTRUMENT AIR LINE								
1	Gate Valve (Normally open)	125	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	10				
2	Gate Valve (Normally Close)	125	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	4				
3	Gate Valve (Normally Close) for interconnection of Unit # 3 and Unit # 4	80	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	1				
B.	COOLING WATER LINE								
1	Gate Valve	150	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	5				
2	Gate Valve	100	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	4				
3	Gate Valve	65	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	16				
4	Gate Valve	65	Solenoid	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	4				
5	Globe Valve	100	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	4				

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6	Globe Valve	65	Manual	Body ASTM A 216 Gr. WCB, 150 #, flanged to ANSI 16.5	16				
7	Globe Valve	15	Manual	Body ASTM A 105 150 #, flanged to ANSI 16.5.5	4				
C.	INSTRUMENTS IN COOLING WATER LINE								
1	Slight Glass	65 NB			12				
2	Pressure Gauge with root valve and impulse tubing, pressure stub etc.	100 NB		Range 0-10 Kg / sq. cm (g)	8				
3	Temperature gauge along with thermo well, temperature stub etc.	100 NB		Range 0 -100 oC	4				
4	Temperature gauge along with thermo well, temperature stub etc.	65 NB		Range 0 -100 oC	4				
5	Temperature switch	65 NB		Range 0 -100 oC	8				
	TOTAL								