



DWG 25 DETAILS OF CIRCULATING WATER PUMP
SCALE: NTS

TAG NO.	QTY	MANUFACTURER	MAKE/MODEL	ELECTRICAL		
				f	φ	v
CWP-10X	2	FLOWSERVE	VERTICAL WELL PIT PUMP	60	3	220

COMPONENT	SELECTION PARAMETER	SPECIFICATION
BOILER FEED PUMP	FLOWS: 1450M ³ /H PRESSURE: 50 BAR TEMPERATURE: 263°C EFFICIENCY:85%	FLOWS: 5220M ³ /H HEAD: 100 M PRESSURE: UP TO 517 BAR TEMPERATURE RANGE: UP TO 318°C EFFICIENCY: UP TO 85%
CONDENSATE EXTRACTION PUMP	FLOWS: 1144M ³ /H PRESSURE: 0.05 BAR TEMPERATURE: 32°C EFFICIENCY:85%	FLOWS: 13600M ³ /H HEAD: 1070 M PRESSURE: UP TO 100 BAR TEMPERATURE RANGE: UP TO 230°C EFFICIENCY:85%
FLUE GAS PUMP	FLOWS: 543M ³ /H TEMPERATURE: 150°C	FLOWS: 9085M ³ /H HEAD: 100 M TEMPERATURE RANGE: UP TO 150°C
CIRCULATING WATER PUMP	FLOWS: 180000M ³ /H PRESSURE: UP TO 517 BAR TEMPERATURE: 30°C	FLOWS: 181700M ³ /H HEAD: 110 M PRESSURE: UP TO 58BAR TEMPERATURE RANGE: UP TO 318°C

1. THE CIRCULATING WATER PUMP WILL DISCHARGE SEAWATER FROM BALAYAN BAY TO THE WATER TREATMENT FACILITY
2. THE MATERIAL FOR PIPING FOR COOLING WATER IS MONEL 400 ASTM B163
3. THE MATERIALS FOR PIPING FOR THE CONDENSATE IS ASTM A 213 T5, SCHED 40
4. THE PUMPS WILL DISCHARGE WATER AT A VELOCITY OF 2m/s AND THE PIPE SIZING WILL BE DETERMINED.