

- NOTE :
1. SAMPLE TUBING : 1/4" OD, 20 SWG, ASTM A 213, TP-316, SEAMLESS TUBE
  2. BLOWDOWN HEADER : 2"NB, ASTM A106, SCH-80, PIPE FLANGED TO ANSI B16.5, CLASS 600# R/F
  3. COOLING WATER HEADERS : 2"NB, ASTM A106, SCH.40, PIPE FLANGED TO ANSI B16.5, CLASS 150# R/F
  4. CHILLED WATER HEADERS : 1"NB, ASTM A106, SCH.40, PIPE FLANGED TO ANSI B16.5, CLASS 150# R/F
  5. WASTE DRAIN HEADER : 2"NB, ASTM A106, SCH.40, PIPE FLANGED TO ANSI B16.5, CLASS 150# R/F
  6. RECOVERABLE DRAIN HEADER : 2"NB, ASTM A312, TP-304, SCH 40 PIPE FLANGED TO ANSI B16.5, 150#
  7. COOLING WATER PIPING : 3/4" OD, SS-304 SEAMLESS TUBE
  8. SAMPLE INLET CONNECTIONS : 1/2" NB, S/W x 1/4" OD SS-316 BULKHEAD UNION
  9. THE COOLING WATER USED SHOULD BE PREFERABLY DM WATER WITH CHLORIDE CONTENT LESS THAN 35 PPM

NO	REVISION	DATE	BY	APPROVED
01	ISSUED			
02	REVISED			
03	REVISION			
04	REVISION			
05	REVISION			
06	REVISION			
07	REVISION			
08	REVISION			
09	REVISION			

CUSTOMER : GUJARAT MINERAL DEVELOPMENT CORP. LTD.

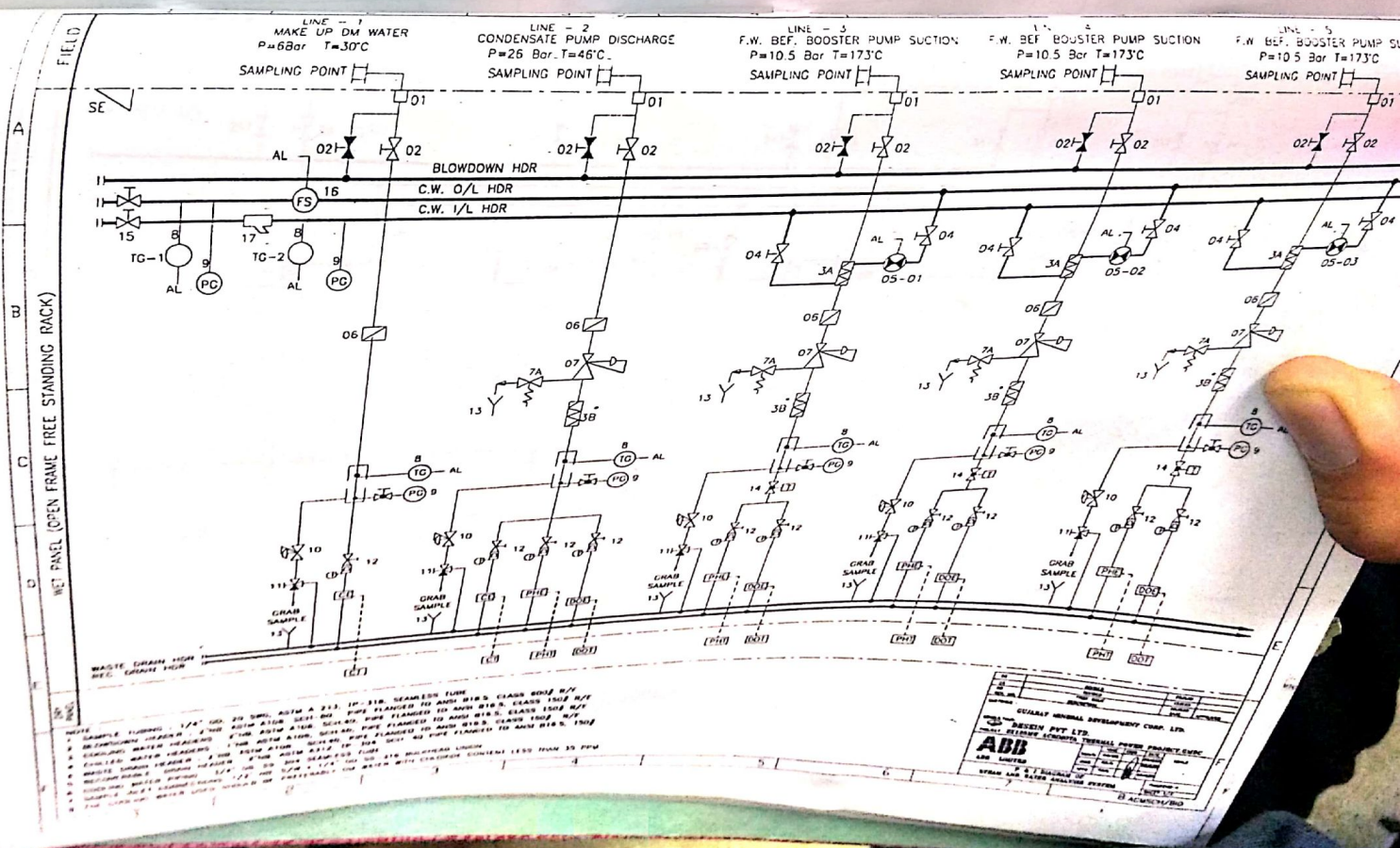
DESIGNER : DESEIN PVT LTD.

PROJECT : KAPADWANJ ACHROMATA THERMAL POWER PROJECT, GWIC

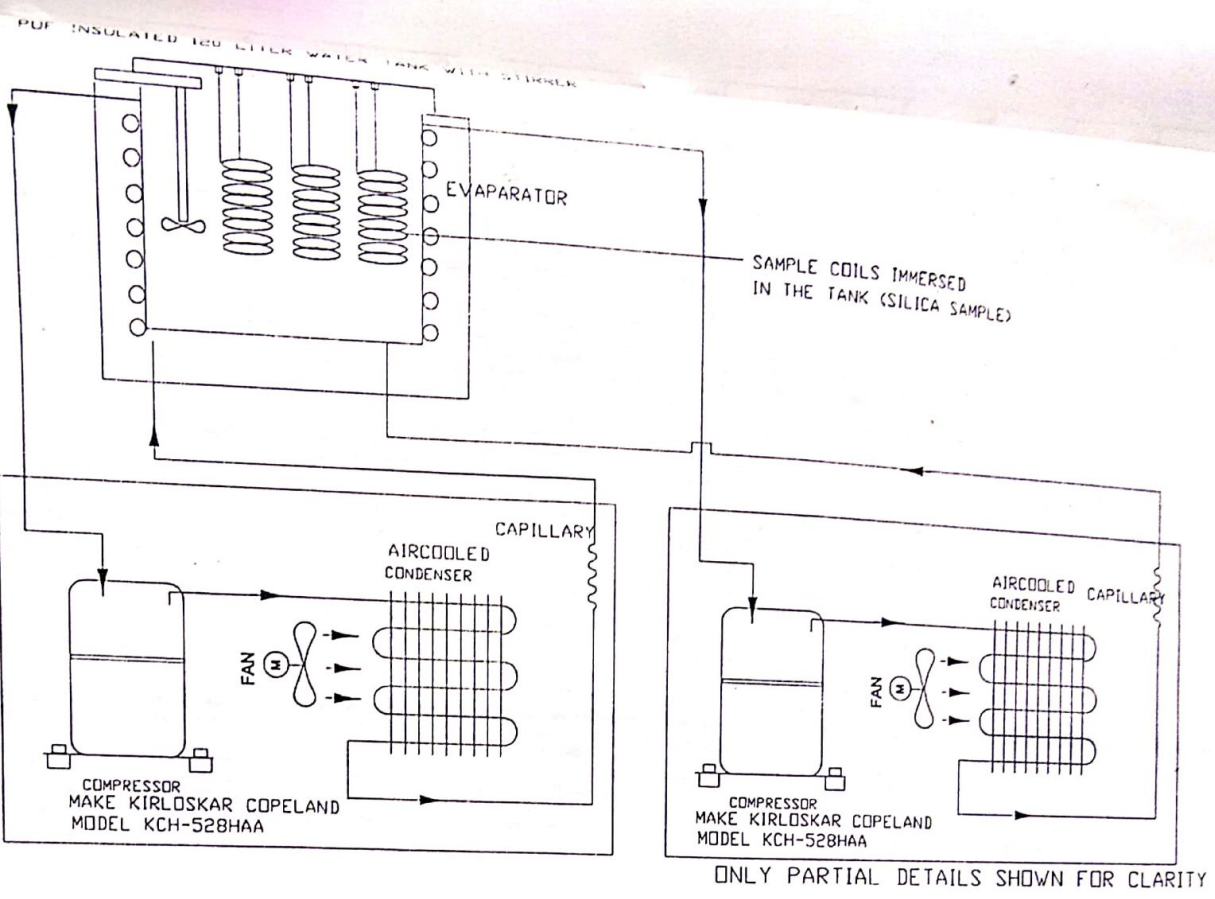
**ABB**  
ABB LIMITED

P & I DIAGRAM OF  
STEAM AND WATER ANALYSIS SYSTEM

8 ACMSCH/BID







DO	FIRST ISSUE	03/07/20	
REV. NO.	DESCRIPTION	DATE	APPROVED
CUSTOMER: GUJARAT MINERAL DEVELOPMENT CORP. LTD.			
DESIGNER: DESEIN PVT LTD.			
PROJECT: 2X125MW ACRIMOTA THERMAL POWER PROJECT, GMDC			
<b>ABB</b> ABB LIMITED	DRAWN	CHKD	DATE
	M.R.	M.R.	08/10/23
	APPD	M.R.	08/10/23
SIGNATURE: _____			SCALE
SCHEMATIC DIAGRAM CHILLER FOR SWAS			SHEET 1/1

**SWAS Parameters**

<b>Sr.no</b>	<b>Steams</b>	<b>Parameters to be measure</b>	<b>Pressure</b>	<b>Temp.</b>
1	Make-up DM water	Conductivity	6 bar	30 c
2	Condensate pump discharge	Conductivity, pH, DO	26 bar	43 c
3	Feed water before booster pump suction	pH, DO	10.5 bar	173 c
4	Feed water before booster pump suction	pH, DO	10.5 bar	173 c
5	Feed water before booster pump suction	pH, DO, Silica	10.5 bar	173 c
6	Feed water Eco inlet	Conductivity(CE+CC), pH, DO, Silica	174.6 bar	247 c
7	Boiler drum water	Conductivity, pH, Silica	149.73 bar	342 c
8	Boiler Saturated steam	Conductivity(CE+CC)	149.73 bar	342 c
9	Main Steam	Conductivity(CE+CC), Silica	138 bar	538 c
10	CRH Steam	Conductivity(CE+CC)	38 bar	355 c
11	HRH Steam	Conductivity(CE+CC)	38 bar	537 c
12	Hotwell - RHS	Conductivity	0.1 bar	46 c
13	Hotwell - LHS	Conductivity	0.1 bar	46 c

**Note :- the above mentioned Item Qty. are of Unit#1, the same qty. of items are in Unit#2**

