

Biler Protection MFT			Er. Hassan Asiri
S.NO	MFT-(OR)	TAG NO	SET POINT
1	Both FD Fan Trip	03HLB10AN001XB20 03HLB20AN001XB20	0
2	Both ID Fan Trip	03HNC10AN001XB20 03HNC20AN001XB20	0
3	All BFP Stopped	03LAC11GH002XB20 03LAC12GH002XB20 03LAC13GH002XB20	0
4	Feed Water Flow Low Low	03LAB20CF001AXG04 03LAB20CF001BXG04 03LAB20CF001CXG04	< 413 t/h, Delay 30sec
5	Condensor Proteciton (Pressure High and CWP Not Runnin)	03MAG11CP001A/B/C 03MAG12CP001A/B/C 03PAC11AP001XH19 03PAC12AP001XH19	> -0.7 barg, Delay 5sec
6	Both RAH Stopped	03HLD10GK001XB20 03HLD20GK001XB20	0
7	Stuck in Gas Path (FGD Inlet/Outlet & Bypass Damper)	03HTA20CG001A/B/CG02 03HTA50CG001A/B/CG02 03HTA60CG001A/B/CG02	0
8	Main Steam Pressure High High (Left)	03LBA11CP001A 03LBA11CP001B 03LBA11CP001C	> 295 barg, Delay 3sec
9	Main Steam Pressure High High (Right)	03LBA12CP001A 03LBA12CP001B 03LBA12CP001C	> 295 barg, Delay 3sec
10	Water Seperator Drain Header Level High High	03HAD30CL002AXG3 03HAD30CL002BXG3 03HAD30CL002CXG3	> 14.4 m, Delay 3sec
11	MFT Push Bottom Switch - HMI		
12	Reheater Protection (Turbine Trip, HP/LP Bypass, Fuel Flow)	03MAY71/72/73EW200AB 03LAB11CG551XG01 03LAB12CG551XG01 03LAB13CG551XG01 03LAB14CG551XG01 03HHF10CF903A/B/CXF01	Position < 3 % & Fuel Flow > 30%, Delay 10sec Fuel Flow > 20%, Delay 30sec
13	Turbine Trip and Bypass Valve not Open	03LBA11/12CG551XG01 03LBA13/14CG551XG01	Generator Load > 10%, Delay 10sec
14	All Flame Loss		0
15	All Fuel Loss		0
16	Unstable Fuel Supply		0
17	Boiler Fire Indication	03FAP10AN001A 03FAP10AN001B 03FAP10AN001C	0

18	Furnace Draft Pressure Low Low	03HAD10CP053A 03HAD10CP053B 03HAD10CP053C	> 300 mmWC, Delay 0.5sec
19	Instrument Air Pressuer Low Low	03QFH50CP001A 03QFH50CP001B 03QFH50CP001C	< 4.5 barg, Delay 5sec
20	Combustion Air Pressure Low Low	03HLD10CF901AXG04 03HLD10CF901BXG04 03HLD10CF901CXG04	< 25% MCR (537t/h), Delay 5sec
21	MFT Push Bottom Switch - CCR		0
22	Main Steam Temperature High High High (Left)	03LBA11CT003A 03LBA11CT003B 03LBA11CT003C	> 600 degC
23	Main Steam Temperature High High High (Right)	03LBA12CT003A 03LBA12CT003B 03LBA12CT003C	> 600 degC
24	Reheat Steam Temperature High High High(Left)	03LBB11CT003A 03LBB11CT003B 03LBB11CT003C	> 600 degC
25	Reheat Steam Temperature High High High(Right)	03LBB12CT003A 03LBB12CT003B 03LBB12CT003C	> 600 degC
26	Water Seperator Drain Header Level High High	03HAD30CL002AXG3 03HAD30CL002BXG3 03HAD30CL002CXG3	> 14.4 m, Delay 3sec
27	Boiler Metal Temperature High High	03HAD10CT007A~L 03HAD10CT009A~L 03HAD10CT008A~H 03HAD10CT010A~H 03HAD20CT001A~J	DEALY-60s