JSW STEEL LIMITED

100 MW CAPTIVE POWER PLANT-1

CONTROL ROOM READING SHEET | DATE :

SHIFT	A	B	C	SHIFT	A	B	C
TIME				**ELECTRICAL**			
Unit Load (MW)				Generator Voltage (KV)			
Frequency (UCP/DCS) (Hz)				Generator Current (KA)			
Corex Burners in A/C/E Elevation				PF/Reactive Power (MVAR)			
BFG Burners in B/D Elevation				Exc Voltage/Current (Volts/Amps)			
LDO Oil Burners in A/C/E Elevation				Generator Wdg Temp (oC)			
Corex / BFG Flow (KM3/Hr)				Generator cold Air Temp (oC)			
Corex/ BFG C-hdr pressure (mmwc)				Generator Warm Air Temp (oC)			
BF-1 Flare valve position (%)				Exciter Warm Air Temp (0C)			
Nitrogen Pressure Before(Ksc) /After CV (mmwc)				33 KV Bus A/B Voltage (KV)			
MS Flow (TPH)				6.6 KV Bus A/B Voltage (KV)			
MS Outlet Temp/Pressure (0C/Ksc)				415V Bus-PMCC / N/E Voltage (Volts)			
Feed water Flow (TPH)				GT-1/2 Current (Amps)			
Condensate flow (M3/Hr)				GT-1/2 Wdg Temp (oC)			
Economiser FW I/L & O/L Temp (oC)				GT-1/2 Oil Temp (oC)			
Hot well and Deaerator Level (mm)				**HEATERS**			
Total air flow/O2 at APH I/L (TPH / %)				LPH-1 Ext Pressure/Temp (Bar/oC)			
MS spray (TPH)				LPH-2 Ext Pressure/Temp (Bar/oC)			
Drum silica and conductivity(ppm/mmho)				LPH-1&2 Level (mm)			
LP Eco Cond I/L & O/L Temp (oC)				LPH-1&2 Condensate O/L Temp (0C)			
APRDS Pressure (Ksc)				D/A Ext Pressure/Temp (Bar/oC)			
APRDS Temp (0C)				D/A Pressure (Bar)			
TURBINE & GENERATOR				D/A Temp (oC)			
Turbine Inlet Steam Pressure (Bara)				HPH-1 Ext Pressure/Temp (Bar/oC)			
Turbine Inlet Steam Temp (oC)				HPH-2 Ext Pressure/Temp (Bar/oC)			
Turbine Inlet casing Temp (oC)				HPH-1&2 Level (mm)			
Turbine Upper/Lower casing Temp (oC)				HPH-1 FW I/L & O/L Temp (0C)			
Exhaust steam Temp (0C)				**AIR AND FLUE GAS**			
Condenser Vacuum (Bara)				Furnace draft (mmwc)			
Turbine Control stage Pressure (Bar)				Wind Box DP (L/R) (mmwc)			
Extraction Diff Pressure (Bar)				APH I/L Flue Gas Temp (L/R) (oC)			
Gland Steam Pressure (Bar)				APH O/L Flue Gas Temp (L/R) (oC)			
Gland Steam Temp (oC)				APH O/L Sec Air Press (L/R) (mmwc)			
Lube Oil Pressure (Bar) / Filter DP				APH O/L Sec Air Temp (L/R) (oC)			
Lube Oil Temp (oC)				ID- A/B O/L Flue Gas Temp (oC)			
Differential Expansion (mm)				Scanner Air Pressure (mmwc)			
Axial Thrust Position (mm)				**BOP**			
Thrust Brg Upper/Lower -IN (oC)				ACW O/L Header Pr/Temp (Ksc/oC)			
Thrust Brg Upper/Lower -OUT (oC)				ACWOHT/CST Level (Mtrs)			
Turbine Front/Rear Brg Temp (oC)				CW Inlet Temp (L/R) (oC)			
Gen Front/Rear Brg Temp (oC)				CW Outlet Temp (L/R) (oC)			
Turbine Front Brg Vib (mm/sec)				Condenser DP (L/R) (mmwc)			
Turbine Rear Brg Vib (mm/sec)				**Compressed Air Instrument/Service air pressure (Ksc)**			
Turbine Shaft Vib Front (microns)				**Air Compressor-A/B Current (Amps)**			
Turbine Shaft Vib Rear (microns)				SOX / NOX (ppm)			
Gen Front Brg Vib (mm/sec)				SPM-1 / 2 (%)			
Gen Rear Brg Vib (mm/sec)				CO (ppm)			
Gen Shaft Vib Front (microns)				LDO Tank Level (Mtrs)			
Gen Shaft Vib Rear (microns)				MOT Level (mm)			

SHIFT	A	B	C	SHIFT	A	B	C
FD FAN- A				**BFP- B**			
FD-A Current (Amps)				BFP-B Current (Amps)			
FD-A Disch Pressure (mmwc)				BFP-B Motor DE/NDE Brg Temp (oC)			
FD-A Wdg Temp(max) (oC)				BFP-B Pump DE/NDE Brg Temp (oC)			
FD-A Motor DE/NDE Brg Temp (oC)				BFP-B Thrust Brg ACT/INACT Temp (oC)			
FD-A Fan DE/NDE Brg Temp (oC)				BFP-B H/C BRG Temp (A/B/C) (oC)			
FD-A Motor DE Brg Vib-X/Y (mm/sec)				BFP-B Wdg Temp (max) (oC)			
FD-A Fan DE/NDE Brg Vib (mm/sec)				BFP-B WO Inlet/Outlet cooler Temp (oC)			
FD FAN- B				**BFP- C**			
FD-B Current (Amps)				BFP-C Current (Amps)			
FD-B Disch pressure (mmwc)				BFP-C Motor DE/NDE Brg Temp (oC)			
FD-B Wdg Temp (max) (oC)				BFP-C Pump DE/NDE Brg Temp (oC)			
FD-B Motor DE/NDE Brg Temp (oC)				BFP-C Thrust Brg ACT/INACT Temp (oC)			
FD-B Fan DE/NDE Brg Temp (oC)				BFP-C H/C BRG Temp (A/B/C) (oC)			
FD-B Motor DE Brg Vib-X/Y (mm/sec)				BFP-C Wdg Temp (max) (oC)			
FD-B Fan DE/NDE Brg Vib (mm/sec)				BFP-C WO Inlet/Outlet cooler Temp (oC)			
ID FAN- A							
ID-A Current (Amps)				**CEP- A/B**			
ID-A Suction Pressure (mmwc)				CEP Motor Current (Amps)			
ID-A Wdg Temp (max) (oC)				CEP Wdg Temp (Max) (oC)			
ID-A H/C oil Temp (oC)				CEP Pump Brg Temp (oC)			
ID-A Motor DE/NDE Brg Temp (0C)				CEP Motor DE/NDE Brg Temp (oC)			
ID-A Fan DE/NDE Brg Temp (oC)							
ID-A Motor DE Brg Vib-X/Y (mm/sec)				**CW PUMP- A**			
ID-A Fan DE/NDE Brg Vib (mm/sec)				CWP-A Motor Current (Amps)			
ID FAN- B				CWP-A Wdg Temp (max) (oC)			
ID-B Current (Amps)				CWP-A Thrust Brg Temp -1/2 (oC)			
ID-B Suction Pressure (mmwc)				CWP-A Motor DE/NDE Brg Temp (oC)			
ID-B Wdg Temp (max) (oC)				CWP-A Motor DE/NDE Brg Vib (microns)			
ID-B H/C oil Temp (oC)				**CW PUMP- B**			
ID-B Motor DE/NDE Brg Temp (oC)				CWP-B Motor Current (Amps)			
ID-B Fan DE/NDE Brg Temp (oC)				CWP-B Wdg Temp (max) (oC)			
ID-B Motor DE Brg Vib-X/Y (mm/sec)				CWP-B Thrust Brg Temp-1/2 (oC)			
ID-B Fan DE/NDE Brg Vib (mm/sec)				CWP-B Motor DE/NDE Brg Temp (oC)			
BFP- A				CWP-B Motor DE/NDE Brg Vib (microns)			
BFP-A Current (Amps)				CW PUMP- C			
BFP-A Motor DE/NDE Brg Temp (oC)				CWP-C Motor Current (Amps)			
BFP-A Pump DE/NDE Brg Temp (oC)				CWP-C Wdg Temp (max) (oC)			
BFP-A Thrust Brg ACT/INACT Temp (oC)				CWP-C Thrust Brg Temp-1/2 (oC)			
BFP-A H/C BRG Temp (A/B/C) (oC)				CWP-C Motor DE/NDE Brg Temp (oC)			
BFP-A Wdg Temp (max) (oC)				CWP-C Motor DE/NDE Brg Vib (microns)			
BFP-A WO Inlet/Outlet cooler Temp (oC)							
REMARKS :					**A-SHIFT**	**B-SHIFT**	**C-SHIFT**
				CRE			
				SCE			