


EVENT ANALYSIS REPORT				
UNIT NO : 01	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 09:55 Hrs	Date - 18/10/2016	No. of days from last sync. : 2 days
2. Operating conditions at the time of Event :-				
Load ,		Coal Cycles in service		Oil Support
172 MW		A, B, C, D, & F		Nil
3. Nature of Event: T.A. Set tripped due to "Less Air Flow "protection of boiler.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Boiler Tripped (First Up), Boiler To Turbine Trip, Turbine Tripped, Trip Gear Operated.				
5A) Observations : At 9:55 hrs. on dt. 18/10/2016 unit was on load at 172 MW with five coal cycles (E- Standby) in service. Due to failure of total air flow output signal from the measurement & control processor card PR03, boiler tripped on "Less Air Flow " protection. Turbine tripped due to boiler tripping and GCB opened on reverse power protection. Output signal from the processor card restored after 10 secs.				
5 B) Remedial Action/work done : Malfunctioned processor card PRO3 replaced with spare repaired card. Parameter setting done. Healthiness of total air flow transmitter checked and found ok.				
6. Root Cause Analysis : Total air flow measurement & control processor card PRO3 malfunctioned, leading to boiler tripping on "Less Air Flow" protection. Consequently, set tripped at 09.55 hrs on dt. 18.10.2016.				
3. Preventive action suggested (Short Term) : A stock of sufficient processor cards is required to be maintained in view of such catastrophic failure of cards due to ageing effect. AMC for repairing these cards with M/S BHEL is in progress.				
8. Preventive action suggested (Long Term) :				
9. Similar event occurred last time:-	Unit No # 1, 210 MW	Time :	Date :	
Event: - No similar event found.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr No 7 & 8 :-				
10. Boiler lighted up	Time - 00:10 Hrs	Date- 19/10/2016		
11. T-A Set Synchronized	Time - 01:55 Hrs	Date- 19/10/2016		
12. Remark : During rolling activities condensate line flange leakage at Deaerator was found developed. The flange gaskets replaced with new ones to arrest the leakage.				
 Chief Engineer				
13. Recommendations of Works Section:				
1. Procurement/Replacement Plan:				
2. Operational Error:				
3. Delay in Maintenance:				
4. Delay in bringing back the Unit:				
5. Training of Staff:				
6. Whether remedial action is completed satisfactory & point is closed:				
C E/Dy C E (Works)				