


EVENT ANALYSIS REPORT				
UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 13:20 Hrs	Date - 23/10/2016	No. of Days from last sync. : 0 days
2. Operating conditions at the time of Event :-				
Load	Coal Cycles in service		Oil Support	
176 MW	A, B, C & D		Nil	
3. Nature of Event : T.A. Set hand tripped due to air preheater problem.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Hand Tripped (First Up), MFT Operated, Turbine Tripped, Turbine Trip Gear Operated.				
5A) Observations : At 13.15 hrs on dt.23.10.16, flue gas temperature at Air Preheater-3B outlet was found reached to 200 °C. While physical inspection APH-3B was found to be declutched. Its main motor was rotating and hence its standby air motor did not pick up on auto. Immediately, the air motor was attempted to put in service but found not starting due to mechanical jamming of seals by then. Meanwhile, flue gas temperature at outlet of APH-3B was found reaching to 295 °c and hence the unit was hand tripped at 13.20 hrs.				
5B) Remedial Action/work done: Over running clutch assembly of main drive mechanism of APH-3B replaced with new one.				
6. Root Cause Analysis : Failure of over running clutch assembly of main drive mechanism of air preheater-3B.				
7. Preventive action suggested (Short Term):				
8. Preventive action suggested (Long Term) : Successive replacement of clutch assembly will be taken up after every 4 years of both the air preheaters of Unit-1 to Unit-4 irrespective of healthiness of clutch assembly.				
9. Similar event occurred last time:- No similar event found.		U - 3, 210 MW	Time- 14:40 Hrs	Date: 17/02/2016
Event: T.A. Set forced withdrawn due to air preheater problem.				
Remedial Action/work done: (1) Entrapped bracing pipe between sector plate & rotor of APH-3A removed. (2) Visual inspection of bracing support of APH-3A carried out and found ok. (3) APH-3A main drive assembly checked for smooth running.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8 : The above corrective action will be Implemented by July-2017.				
10. Boiler lighted up		Time - 20:10 Hrs	Date - 23/10/2016	
11. T-A Set Synchronized		Time - 21:28 Hrs	Date - 23/10/2016	
12. Remark: - Preventive maintenance of main motor of air pre heater-3B was carried out.				
 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)				