


EVENT ANALYSIS REPORT				
UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 05:11 Hrs	Date - 04/03/2016	No. of Days from last sync. : 15 days
2. Operating conditions at the time of Event :-				
Load	Coal Cycles in service		Oil Support	
160 MW	A, B, C & E		NIL	
3. Nature of Event: T.A. Set withdrawn to attend boiler tube leakage at economiser zone.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Hand Tripped (First Up) Turbine Tripped, MFT Operated.				
5A) Observations: At about 03.30 hrs on dt. 04.03.16 set was on load at 160 MW with four coal cycles (A, B, C & E) in service. DM make-up found increased to 81 T/Hr and drum level maintaining low. So, load reduced by withdrawing coal mills one by one in order to withdraw set for attending boiler tube leakage. At 5:11 Hrs on date 04/03/16 set forced withdrawn when load was 102 MW.				
5B) Remedial Action/work done: Economiser upper bank coil No. 99, 100, 101, 102 plugged by providing hemispherical spools (Total 8 Nos. of HP joints) at economiser inlet and economiser intermediate header.				
6. Root Cause Analysis: Localized and concentrated flue gas erosion might be the root cause of failure of tube No. 3 of economizer upper bank coil No. 102, which found punctured. Secondary failure was observed at tube No. 3 of each of coil No. 100 & 101, also found punctured. Tube No. 2 & 5 of economiser upper bank coil No. 99 found severely eroded.				
7. Preventive action suggested (Short Term):- (1) Dummied Economiser coils will be normalized during forthcoming AOH of Unit No. 3. (2) Replacement of eroded & dummied coils will be carried out during forthcoming AOH of Unit No. 3.				
8. Preventive action suggested (Long Term) :-				
9. Similar event occurred last time:-	U - 3, 210 MW	Time- 09:05 Hrs	Date: 07/02/2016	
Event: T.A. Set withdrawn to attend boiler tube leakage at economiser zone				
Remedial Action/work done: Economiser upper bank coil No. 155 & 156 plugged by welding (Total 04 Nos.) hemispherical spools at economiser intermediate and economiser inlet header.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8:- The suggested preventive actions will be implemented in April-2016.				
10. Boiler lighted up	Time - 03 : 15 Hrs		Date - 05/03/2016	
11. T-A Set Synchronized	Time - 07 : 23 Hrs		Date - 05/03/2016	
12. Remark: -				
 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)				