


EVENT ANALYSIS REPORT				
UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 09:05 Hrs	Date - 07/02/2016	No. of Days from last sync. : 02 days
2. Operating conditions at the time of Event :-				
Load	Coal Cycles in service		Oil Support	
116 MW	A & B		02 Oil gun	
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 Nature of Event : T.A. Set withdrawn to attend boiler tube leakage at economiser zone.				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 Trip, Generator Protection Operated.				
5A) Observations : At about 08.30 hrs on dt. 07.02.16 set was on load at 160 MW with five coal cycles (A, B, C, E & F) in service. Suddenly DM make up found increased to 81 T/Hr and drum level maintaining low. Further furnace draft also found increased to +10 mmwl. So, load reduced by withdrawing coal mills one by one in order to withdraw set for attending boiler tube leakage.				
5B) 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.				
6. Root Cause Analysis : Localized & concentrated flue gas erosion might be the root cause of failure of tube No. 6 of Economiser upper bank coil No. 155 which found thin lip burst. Economiser upper bank coil No. 156 of tube No. 5 & 6 found eroded and bent due to secondary failure.				
7. Preventive action suggested (Short Term) :				
8. Preventive action suggested (Long Term) : (1) Dummied coil No 155 & 156 will be normalized during forthcoming AOH of Unit 3. (2) Replacement of eroded & dummied coils will be carried out during forthcoming AOH of Unit 3.				
9. Similar event occurred last time:-	U - 3, 210 MW	Time- 19:07 Hrs	Date: 19/12/2015	
Event: T.A. Set withdrawn to attend Boiler Tube Leakage at Economiser Zone. Remedial Action/work done: - Economiser upper bank coil no. 124 & 125 plugged by providing hemispherical spool (Total 4 Nos of HP weld joints) at Economiser inlet & Economiser intermediate header. Water washing at second pass from LTSH to economiser lower bank coils is carried out.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8:- The above preventive actions will be Implemented by E.E (o/p), On or before April 2016.				
10. Boiler lighted up	Time - 04:05 Hrs		Date- 08/02/2016	
11. T-A Set Synchronized	Time - 08:10 Hrs		Date- 08/02/2016	
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)				