


EVENT ANALYSIS REPORT				
UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 19:55 Hrs	Date - 08/12/2015	No. of Days from last sync. : 27 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service	Oil Support	
180 MW		A, C, D, E, F	Nil	
3. Nature of Event: T.A. Set forced withdrawn to attend boiler tube leakage.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Hand Tripped (First Up), MFT Operated, Turbine Tripped, Trip Gear Operated.				
5A) Observations: Set was on load at 180 MW with 5 coal cycles in service. Set forced withdrawn at 19:55 hrs on dt. 08/12/2015 to attend boiler tube leakage on economiser side.				
5B) Remedial Action/work done :- Economiser upper bank coils (No. 56 & 41) plugged by welding (4 No of HP weld joints) hemispherical spools at Economiser inlet & intermediate header.				
6. Root Cause Analysis : External corrosion at bottom surface of economiser coil no. 56 & 41 as low temperature deposit due to condensation of acidic fumes might be the root cause of failure.				
7. Preventive action suggested (Short Term):-				
8. Preventive action suggested (Long Term) :- 1. Dummied economiser coils (No. 56 & 41) will be normalized during forthcoming opportunity. 2. Erosion profile mapping of economiser coils will be carried out in RLA study during forthcoming AOH.				
9. Similar event occurred last time:-		U - 3, 210 MW	Time- 12:31 Hrs	Date: 11/11/2015
Event: T.A. Set forced withdrawn due to Boiler tube leakage in second pass of Boiler. Remedial Action/work done :- 1. Stub no. 4 of LTSH coil no. 120, 119 & 118 replaced with new ones. 2. RHS steam cooled wall tube no. 2 & 3 replaced with new ones. 3. Economiser coil no. 48 dummied by welding hemispherical spool piece as tube no. 5 of the assembly found punctured during hydraulic test of the boiler.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8 :-				
10. Boiler lighted up		Time - 00:40 Hrs	Date- 10/12/2015	
11. T-A Set Synchronized		Time - 05:10 Hrs	Date- 10/12/2015	
12. Remark: - Routine maintenance work carried out as per S/D defect list.				
 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)				