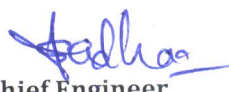


EVENT ANALYSIS REPORT				
UNIT NO : 04	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 17:40 Hrs	Date - 08/12/2015	No. of Days from last sync. : 0 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service	Oil Support	
94 MW		A, B, C	Nil	
3. Nature of Event: T.A. Set forced withdrawn due to Boiler tube leakage.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Hand Tripped (First Up), MFT Operated, Turbine Tripped, Gen. Class 'A' Trip.				
5A) Observations: At about 17:30 hrs on dt. 08/12/2015, set was on load at 161 MW with 5 coal cycles A, B, C, D & E in service. Boiler tube leakage sound noticed near LRSB-81 and LRSB-82 at 33.8m. Also DM water consumption found increased to 88 TPH and drum level maintaining low. So, load reduced by withdrawing coal mills one by one in order to withdraw unit for attending boiler tube leakage.				
5B) Remedial Action/work done :- 1. Economiser upper bank coil no. 123 plugged by welding hemispherical spool at Economiser inlet & intermediate header.				
6. Root Cause Analysis: Localized and concentrated flue gas erosion might be the root cause of failure of tube no. 3 of Economiser Upper bank coil no. 123.				
7. Preventive action suggested (Short Term):-				
8. Preventive action suggested (Long Term) :- 1. Dummied Economiser coil no 123 will be normalized during forthcoming available opportunity. 2. Erosion profile mapping and CAVT of economizer coils will be carried out during forthcoming AOH.				
9. Similar event occurred last time:-		U - 4, 210 MW	Time- 08.19 Hrs	Date: 20-02-15
Event: T.A. Set withdrawn due to Boiler tube leakage at RHS Steam cooled wall Zone. Remedial Action/work done: 1) Replacement RHS Steam cooled wall front side manhole door bend no.1 & 2. 2) Replacement of Economiser Upper Bank Coil No. 162 tube no. 21 & 22. 3) Mirror Image of Steam cooled wall tubes at LHS manhole door checked. Total no of HP weld joints: 11 Nos.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8 :-				
10. Boiler lighted up		Time - 11:45 Hrs	Date- 10/12/2015	
11. T-A Set Synchronized		Time - 15:41 Hrs	Date- 10/12/2015	
12. Remarks: - LPT gland box bolts (total 8 Nos) replaced with OES bolts during the outage.				
 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)				