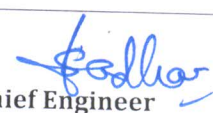


# EVENT ANALYSIS REPORT

UNIT NO : 03					TPS : Khaperkheda TPS					Unit Capacity : 210 MW				
1. *HO Code :			Station Code : T003			Time - 12:41 Hrs		Date - 28/05/2015		No. of Days from last sync. : 13 days				
2. Operating conditions at the time of Event :-														
Load				Coal Cycles in service					Oil Support					
150 MW				A,B,D					AB & CD elevation					
3. Nature of Event: T.A. Set withdrawn for attending Boiler Tube Leakage at Economiser Upper Bank Zone.														
4. Name of First Up , Main Protections & Protection on which GCB tripped : Hand Tripped (First Up) , MFT Operated , Turbine trip gear operated, Turbine tripped, Generator A Class trip , GCB opened on RPP with turbine trip(2Sec).														
5A) Observations: Set withdrawn at 12:41 hrs on 28-05-15 due to Boiler Tube Leakage in Economiser Zone. As water observed in Economiser hopper ad DM make also increased.														
5B) Remedial Action/work done :- BM : As per IBR Letter No. SB-5/BSB/2014/34089 dated -23/12/2014, Economiser Upper Bank Coil No. 42,44 & 45 plugged by providing hemispherical spool at Economiser intermediate and Economiser inlet header as thorough inspection and thorough repairs are not feasible due to space constraints . Primary Failure : Economiser upper bank coil no. 44 tube no. 3 found fish mouth opening punctured and bent. Secondary Failure : 1> Economiser upper bank coil no. 45 tube no. 3 found eroded. 2> Economiser upper bank coil no. 42 tube no. 3 found eroded.														
6. Root Cause Analysis : Localized flue gas erosion might be the root cause of failure at tube no.3 of Economiser upper bank coil no.44 which has been resulted into fish mouth opening. Total no of HP weld joints: 06 Nos														
7. Preventive action suggested (Short Term):-														
8. Preventive action suggested (Long Term) :- 1) Plugged Economiser coil no. 42,44 & 45 will be normalized during forthcoming AOH of Unit no.3 2) Erosion profile mapping of economizer coils will be carried out in AOH of Unit no.3.														
9. Similar event occurred last time:-					U - 3, 210 MW		Time- 23:18 Hrs		Date: 23/02/2015					
Event: TA Set tripped on "Flame Failure due to Boiler Tube Leakage". Remedial Action/work done :- BM : As per IBR Letter no. SB-5/BSB/2014/34089 dated -23/12/2014, Economiser Upper Bank Coil No.8 plugged by providing hemispherical spool at Economiser intermediate and Economiser inlet header as thorough inspection and thorough repairs are not feasible due to space constraints . Primary Failure : Economiser upper bank coil no.8 tube no.4 found punctured. Secondary Failure : No secondary failure observed.														
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8 :-														
10. Boiler lighted up					Time - 21:50 Hrs			Date- 29/05/2015						
11. T-A Set Synchronized					Time - 01:50 Hrs			Date- 30/05/2015						
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)														