


EVENT ANALYSIS REPORT				
UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 17:49 Hrs	Date - 28/06/2015	No. of Days from last sync. : 28 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service	Oil Support	
195 MW		A,B,C,D,E	Nil	
3. Nature of Event: T.A. Set withdrawn for attending Boiler Tube Leakage at Steam Cooled Water Wall Zone.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Turbine 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5A) Observations: Set withdrawn at 17:49 hrs on 28-06-15 due to Boiler Tube Leakage in Steam Cooled Water Wall Zone at Corner No. 4 at 30.1 Mtr Level.				
5B) Remedial Action/work done :- BM : Replacement of damaged & eroded tubes & bend of Stun No. 1 & 2. Primary Failure : Steam Cooled Water wall Inlet Header SHH4 to SHH5 connecting elbow at Corner No.4, Stub No.1 found punctured. Secondary Failure: Steam Cooled Water wall Inlet Header SHH4 to SHH5 connecting elbow at Corner No.4, Stub No.2 found eroded.. Total no of HP weld joints: 06 Nos				
6. Root Cause Analysis : Air ingress through fins might be the probable root cause of failure of Stub No.1 of Steam Cooled Water wall Inlet Header SHH4 to SHH5 connecting elbow at Corner No.4				
7. Preventive action suggested (Short Term):-				
8. Preventive action suggested (Long Term) :- Fin welding & skin casing welding of complete Steam Cooled Water wall will be checked during forthcoming AOH of Unit no.3				
9. Similar event occurred last time:-		U - 3, 210 MW	Time- 10:18 Hrs	Date: 07/03/2015
Event: TA Set Withdrawn to attend "Boiler Tube Leakage" at RHS extended Steam Cooled Wall.				
Remedial Action/work done :- 1) Replacement of RHS extended Steam Cool Wall ,Tube no. 1,2,3,4,5 & 6. 2) Replacement of Water Wall Screen 61A,61B & 61C. 3) Mirror Image at RHS extended Steam Cool Wall Tubes check found ok. Total no of HP weld joints: 18 Nos.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8 :-				
10. Boiler lighted up		Time - 23:15 Hrs	Date- 29/06/2015	
11. T-A Set Synchronized		Time - 04:57 Hrs	Date- 30/06/2015	
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)				