


# EVENT ANALYSIS REPORT

UNIT NO : 03		TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 01:48 Hrs	Date - 06/04/2018	No. of Days from last sync. : 16 days	
2. Operating conditions at the time of Event :-					
Load		Coal Cycles in service		Oil Support	
155 MW		A, B, C, D & F		NIL	
3. Nature of Event: TA Set Tripped on "Furnace Pressure Very High".					
4. Name of First Up , Main Protections & Protection on which GCB tripped : Furnace Pressure Very High (First Up), Boiler To Turbine Trip, MFT operated, Turbine Trip.					
5A) Observations: On date 06/04/2018 set was on load 155 MW with five C/c (E S/by) in service. During soot blowing big clinker fell down which punctured bottom ash hopper. Also water wall tube leakage observed at 16 meter above AB2 oil gun.					
5B) Remedial Action/work done: 1) Replacement of rear water wall tube no. 3 & 4 carried at 20.6 meter elevation near AB2 corner. 2) Bottom ash hopper rear side seal plate holding scalloped bars (132 Nos. tubes) fitted & welded. 3) Boiler Hydraulic test taken at 150 Kg/cm <sup>2</sup> found ok.					
6. Root Cause Analysis: Due to fall of huge clinker draft goes from negative to positive side and boiler tripped on furnace pressure very high protection.					
7. Preventive action suggested (Short Term):					
8. Preventive action suggested (Long Term) :					
9. Similar event occurred last time:		U - 3, 210 MW	Time: 01:50 Hrs	Date: 19/03/2014	
Event: TA Set Tripped on "Furnace Pressure Very High".					
Remedial Actions: No Work done.					
9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8 :-					
10. Boiler lighted up		Time - 11:48 Hrs	Date- 09/04/2018		
11. T-A Set Synchronized		Time - 17:29 Hrs	Date- 09/04/2018		
12. Remark :-					
 <b>Chief Engineer</b>					
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)					