


EVENT ANALYSIS REPORT				
UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 20:06 Hrs	Date - 12/05/2017	No. of Days from last sync. : 31 days
2. Operating conditions at the time of Event :-				
Load 175 MW		Coal Cycles in service A, B, C, D & F		Oil Support NIL
3. Nature of Event : Set tripped due to 'Flame Failure'.				
4. Name of First Trip, Main Protections & Protection on which GCB tripped Flame Failure (First Up), MFT Operated, Turbine Tripped.				
5A) Observations : At the time of tripping, set was on load at 175 MW with five coal cycles (E - U/P) in service. Due to clinker falling furnace draft found varied from +50 to -100 mmwc. This draft variation led to flame disturbance inside the furnace, which resulted in boiler tripping on 'Flame Failure' protection. This ultimately resulted in unit tripping at 20:06 hrs on dt.12.05.2017. GCB opened on reverse power protection.				
5B) Remedial Action / work done : No specific work done.				
6. Root Cause Analysis : Falling of heavy clinker resulted in draft variation from +50 to -100 mmwc, which led to flame disturbance inside the furnace. Due to this flame disturbance, boiler tripped on 'Flame Failure' protection.				
07. Preventive action suggested (Short Term):				
8. Preventive action suggested (Long Term):				
9. Similar event occurred last time :-		U-3, 210 MW	Time - 00:34 Hrs	Date : 22/05/2014
Event : T.A. Set tripped on "Flame Failure". Remedial Actions : No Work done.				
9A. Implementation Status of Long Term/Short Term measures stated at S. No 7&8 :-				
10. Boiler lighted up		Time - 21:45 Hrs	Date - 12/05/2017	
11. T-A Set Synchronized		Time - 23:06 Hrs	Date - 12/05/2017	
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)				