


EVENT ANALYSIS REPORT				
UNIT NO : 01	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 06:28 Hrs	Date - 04/05/2017	No. of days from last sync. : 42 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service		Oil Support
157 MW		B, C, D, E & F		Nil
3. Nature of Event : T.A. Set tripped due to "Flame Failure" protection.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Flame Failure (First Up), Turbine Trip Gear Operated, Generator Reverse Power Protection.				
5A) Observations : Set was on load with five coal cycles in service. Coal mill-A was under permit. Water wall soot blowing was in progress. At @ 06:27 hrs Coal mill-B got unloaded due to failure of shear pin of coal feeder-B. As a result of this, fluctuation occurred in furnace draft from -100 to+200 mmwc. Due to draft fluctuation, furnace flame disturbed and boiler tripped on 'Flame Failure' protection. Consequently, tripping of unit occurred at 06.28 hrs on dt.04.05.17. GCB opened on reverse power protection.				
5 B) Remedial Action/work done : No work done.				
6. Root Cause Analysis : At @ 06:27 hrs Coal mill-B got unloaded due to failure of shear pin of coal feeder-B. As a result of this, fluctuation occurred in furnace draft from -100 to+200 mmwc. Due to draft fluctuation, furnace flame disturbed and boiler tripped on 'Flame Failure' protection.				
7. Preventive action suggested (Short Term) : Following directives are issued to all concerned vide circular no. 175 dated 11.05.17. (1) Whenever shear pin fails or any mill gets unloaded, PA flow of the adjacent mills to be adjusted, accordingly. (2) Water wall soot blowing to be carried out ensuring availability of base mills.				
8. Preventive action suggested (Long Term) :				
9. Similar event occurred last time:-	Unit No # 1, 210 MW	Time : 08:40 hrs	Date : 23/03/2017	
Event : T.A. Set tripped due to "Flame Failure". 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 - 06:46 Hrs		Date- 04/05/2017	
11. T-A Set Synchronized	Time - 10:43 Hrs		Date- 04/05/2017	
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)				