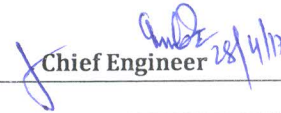


EVENT ANALYSIS REPORT				
UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 04:22 Hrs	Date - 11/04/2017	No. of days from last sync. : 16 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service	Oil Support	
180 MW		A, B, D, E & F	Nil	
3. Nature of Event : TA set tripped due to flame failure.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Flame Failure (First Up), Turbine Tripped, Turbine Trip Gear operated, Generator Class-A Trip.				
5 A) Observations : On dt. 11-04-17 at 04:00 hrs, set was on load at 180 MW with five coal cycles (A, B, D, E & F) in service and no oil support. It was observed at about 04.19 hrs that the coal flow in feeder-B increased from 20 T/hr to 39 T/hr due to lumpy coal. Consequently, coal flow in other feeders found disturbed, which led to flame disturbance in furnace. Due to flame disturbance boiler tripped on 'Flame Failure' protection, which ultimately resulted in unit tripping at 04.22 hrs on dt.11.04.17. GCB opened on Reverse Power Protection.				
5 B) Remedial Action/work done : No work done.				
6. Root Cause Analysis : Coal flow in feeder-B found instantaneously increased from 20 T/hr to 39 T/hr (almost double) due to lumpy coal. In response coal flow in other feeders being on auto, also found disturbed, which led to flame disturbance in the furnace. Due to flame disturbance boiler tripped on 'Flame Failure' protection.				
7. Preventive action suggested (Short Term) : (1) Circular (No.143 dated 22-04-17) issued to all concerned to take oil support immediately in case of changeover of coal mills or failure of shear pin of coal feeder, so long as bottom ash evacuation is in progress. (2) Due care will be taken to avoid escaping of lumpy coal / foreign material along with bunkering of good coal.				
8. Preventive action suggested (Long Term) :				
9. Similar event occurred last time:-		Unit No #3, 210 MW	Time : 12:10 hrs	Date : 18/09/2015
Event : TA 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 - 05:49 Hrs	Date - 11/04/2017	
11. T-A Set Synchronized		Time - 08:06 Hrs	Date - 11/04/2017	
12. Remark :				
 Chief Engineer 28/4/17				
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)				