EVENT ANALYSIS REPORT

UNIT NO : 03	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time – 12:10 Hrs	Date - 18/09/2015	No. of Days from last sync. : 12 days

2. Operating conditions at the time of Event :-

Load	Coal Cycles in service	Oil Support
135 MW	A, B, C, D & F	NIL

3. Nature of Event : Boiler tripped on "Flame Failure" protection which resulted in set tripping.

4. Name of First Up , Main Protections & Protection on which GCB tripped :

Flame Failure **(First Up)** MFT Operated, Turbine Trip, Trip Gear Operated.

5A) Observations: At 12:10 TA set was sharing 135 MW load with 5 coal cycles in service and no oil support. Coal Mill-E was standby. Flame scanners-BC & DE were flickering and flame failure occurred at 12:10 hrs.

5B) Remedial Action/work done : No work done regarding tripping.

6. Root Cause Analysis : Flame scanners BC & DE were flickering intermittently and others found rock steady. Due to very poor flame quality, one by one elevation fire ball scanners were showing no flame. As per logic "ALL SCANS SHOW NO FLAME" indication appeared and subsequently set tripped on flame failure at 12:10 Hrs.

7. Preventive action suggested (Short Term):-

8. Preventive action suggested (Long Term) :-

9. Similar event occurred last time:-	U - 3, 210 MW	Time- 18:41 Hrs	Date: 06/09/2015

Event : Boiler tripped on "Flame Failure" protection which resulted in set tripping
Remedial Actions : No Work Done regarding tripping.

9A. Implementation Status of Long Term/Short Term measures stated at Sr. No 7 & 8 :-

10. Boiler lighted up	Time – 17:57Hrs	Date -18/09/2015
11. T-A Set Synchronized	Time – 20:27 Hrs	Date – 18/09/2015

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)