


EVENT ANALYSIS REPORT				
UNIT NO : 02	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 07:09 Hrs	Date - 14/07/2015	No. of days from last sync. : 80 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service		Oil Support
131 MW		B,C,E,F		CD-2 not proved
3. Nature of Event: T.A. Set tripped on "Flame Failure".				
4. Name of First Up, Main Protections & Protection on which GCB tripped : Flame Failure (First Up), Generator Protection operated, Turbine Trip, AVR PT fuse fail, GCB opened on RPP.				
5A) Observations: - At 06:50 Hrs, set was running normal with C/c- A,B,C,D,E in service (Load-143MW & 126 kg/cm <sup>2</sup> ) At 06:50 Hrs, C/c-2A, Shear pin failure occurred, C/c-2A withdrawn & C/c-2F cut in service. Again at 07:06 Hrs, C/c-2D Shear Pin failure occurred. At that time, load was 135 MW with pressure 119 Kg/cm <sup>2</sup> . At 07:08 Hrs, Oil gun CD-1 & 2 command given but not proved (CD-3 & 4 Loop). At the same time, ID fan 2A vane found stuck up at 80% position & BTPC-1 stuck up at negative 30 position. The flame scanners AB,BC,CD,DE disturbed resulting in tripping of set at 07:09 hrs on "Flame Failure".				
5B) Remedial Action/Work done :- - AB2,AB4,CD3,CD4 oil guns found choke up & same were cleaned. ID Fan 2A inlet guide vane airline isolation valve found choke up, and same valve was replaced. Vane made operative. .				
6. Root Cause Analysis: The flame scanners AB,BC,CD,DE were not proved resulting in tripping of set at 07:09 hrs on "Flame Failure".				
7. Preventive action suggested (Short Term) :-				
8. Preventive action suggested (Long Term):-				
9. Similar event occurred last time:-	Unit No # 2 , 210MW	Time : 14:42 Hrs	Date: 18/02/2015	
Event: - T.A. Set tripped on "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 - 08:13 Hrs	Date- 14/07/2015		
11. T-A Set Synchronized	Time - 10:18 Hrs	Date- 14/07/2015		
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)				