


EVENT ANALYSIS REPORT				
UNIT NO : 04	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 19:19 Hrs	Date - 25/11/2017	No. of days from last sync. : 1 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service		Oil Support
58 MW		A & C		NIL
3. Nature of Event: TA set tripped on "Flame Failure".				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Flame Failure(First Up), MFT Acted, Turbine Tripped, Generator Protection class A Trip, Generator Low Forward Power Protection Operated, Turbine Trip, Generator Protection Operated.				
5A) Observations: On dt. 25/11/2017 at 19:19 hrs. Unit-4 was sharing 58 MW load. Set tripped on Flame Failure, as bunker level of bunker B, D, E, F become '0'% one by one due to CHP Problem.				
5 B) Remedial Action/work done: A) APH - 4B works carried out during shut down period. (1) Total 60 Nos. baskets (20 CE + 20 HIE +20 HE) replaced by new. (2) Rotor level alignment done. (3) AHP 4B guide bearing oil level gauge replaced by new. (4) Radial & axial seal setting done. B) Erection of scaffolding at goose. Furnace 1 <sup>st</sup> pass water washing & reheater slant portion water washing done. C) ID Fan 4A & 4B motor side bearing cooling water line valve fitting done and new drain line joined to existing drain line. Drain line support prepared and welded. D) FD Fan - 4A bearing housing return line house leakage attended by replacement. E) Coal Mill - 4A:- Journal assembly A servicing done. Journal assembly B trunnion brush leakage attended. F) Coal Mill - 4C:- Damaged journal assembly B replaced. All assemblies R/R setting done. G) All PA Fan- PA ducts cleaning done. Expansion joints leakages attended by repairing. H) R26 valve leakages attended.				
6. Root Cause Analysis: Due to CHP bunkering belt problem bunker level B, D, E & F become '0' and set tripped on 'Flame Failure'.				
7. Preventive action suggested (Short Term):				
8. Preventive action suggested (Long Term):				
9. Similar event occurred last time :		Unit No # 4 , 210 MW	Time : 23:15 Hrs.	Date : 07/05/2013
Event: T.A. Set tripped on "Flame Failure". Remedial Actions: No specific work done.				
9A. Implementation Status of Long Term/Short Term measures stated at Sir No 7 & 8 :-				
10. Boiler lighted up		Time - 07:30Hrs	Date - 15/12/2017	
11. T-A Set Synchronized		Time - 17:19 Hrs	Date - 15/12/2017	
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)				

## Works carried out in unit no. 4 from 25/11/2017 to 15/12/2017

(A) APH - 4B works carried out during shut down period.

1. Total 60 Nos. baskets (20 CE + 20 HIE + 20 HE) replaced by new.
2. Rotor level alignment done.
3. APH 4B guide bearing oil level gauge replaced by new.
4. Radial & axial seal setting done.

(B) Erection of scaffolding at goose. Furnace 1<sup>st</sup> pass water washing & re-heater slant portion water washing done.

(C) ID Fan 4A & 4B motor side bearing cooling water line valve fitting done and new drain line joined to existing drain line. Drain line support prepared and welded.


(D) FD Fan - 4A bearing housing return line oil hose leakage attended by replacement.

(E) Coal Mill - 4A :- Journal assembly A servicing done. Journal assembly B trunion bush leakage attended.

(F) Coal Mill - 4C :- Damaged journal assembly B replaced. All assemblies R/R setting done.

(G) All PA Fan - PA ducts cleaning done. Expansion joints leakages attended by repairing.

(H) R26 valve leakage attended.

  
**Executive Engineer (BM-I)**