

EVENT ANALYSIS REPORT

UNIT NO : 01

TPS : Khaperkheda TPS

Unit Capacity : 210 MW

1. *HO Code :

Station Code : T003

Time -
10:26 Hrs.

Date -
24/08/2017

No. of days from last sync. :
17 days.

2. Operating conditions at the time of Event :

Load

26 MW

Coal Cycles in service

D

Oil Support

AB, CD & EF

3. Nature of Event: Set tripped on Drum Level Very High Protection.

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

Drum Level Very High[First Up], Turbine Tripped, Turbine Trip Gear Operated, Reverse Power Protection Operated.

5A) Observations: On Dt. 24/08/2017 at 10:26 hrs. set was on load 26 MW with only C/c D in service, C/c A, C, E, F were out due to NCF and C/c 1B U/P & oil support at AB, CD & EF elevations. Suddenly drum level increased and T. A set tripped on drum level v. high protection.

5B) Remedial Action/Work done: No specific work carried out.

6. Root Cause Analysis: Due to unstable load condition, heavy rainfall & wet coal leads to NCF in all feeders and set tripped on drum level v. high protection.

7. Preventive action suggested (Short Term) :-

8. Preventive action suggested (Long Term) :-

9. Similar event occurred last time:-

Unit No # 2 ,
210 MW

Time: 01:53 hrs.

Date: 29-01-2012

Event: Set tripped on Drum Level Very High.

7. Remedial Actions: TIC AVR (Digital) Channel II testing done & trials taken by Electrical & Testing Section at 3000 RPM & after successful trials T.G. Set synchronised as per procedure.

T.M CEP discharge line flange joint at De-aerator level heavy leakage observed & attended by T/M . Gasket & flange nut bolts was replaced. CEP discharge valve control circuit modified by I & C to facilitate regulated opening.

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

10. Boiler lighted up

Time - 10:52 Hrs


Date - 24/08/2017

11. T-A Set Synchronized

Time - 13:42 Hrs

Date - 24/08/2017

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)