UNIT TRIPPING REPORT

UNIT No: 2

STATION: NTPL TUTICORIN.

OUTAGE: NO. 32

REPORT NO:32

1.Date of tripping

: 11-10-2018

2. Time of tripping

: 04:13:39 Hrs

3. Status before tripping

a) Unit load

: 496 MW

b) Mills in service

: A, B, C, E, F & H.

c) Oil guns in service

: NIL

d) Boiler feed pumps in service

: TDBFP A & B

e) CEPs in service

: B & C

f) ID fans in service

: A & B

g) FD fans in service

: A & B

h) PA fans in service

: A & B

i) CWP in service

: A & B

4. First Up protection acted

: Generator trip (Class A)

5. Similar occurrences in the

Financial Year

: NIL

6.Other relays/protection acted

: Turbine trip/Boiler trip

7. Supporting documents attached

: SOE

8. Any operation done prior to tripping : NIL

9. Analysis of tripping

UT-B Bucholz relay acted, leading to the tripping of Unit 2 Generator on Class-A protection.

10.Root cause

Unit 2 Transformer Mulsifier system acted due to the gradual pressure loss of water above the Deluge valve. Water entry into the UT-B Bucholz relay junction box lead to the false pick up of protection. Boiler got tripped on RH conditions since time delay of 1 sec was not normalized to 10 secs after making available the HPBP system during MOH - 2018.

11.Remedial measures taken/to be taken:

The healthiness of deluge valve pressure make-up system was ensured by TMD. Relay JB is made water tight by EMD. Boiler RH protection time delay was normalized.

12.Time/Date of boiler light up and sync: 11-10-2018

Light Up:

06:32 HRS

Sync'd:

08:56 HRS

13.Delay for light up

: No delay

14.Recommendation / Action plan

	1	Responsibility	Time line
Sl.No.	Recommendations/Action plan	Responsi	
1	Outdoor Junction Boxes are to be made water tight to avoid	EMD	Immediate.
	spurious trips in the future.		Immediate.
2	Deluge valves and Mulsifier systems healthiness to be ensured thro periodic checks.	TMD	Imilieulate.
		00/001	Immediate.
3	Simulations to be normalized after attending the work.	OS/C&I	

15.Any specific learning / feedback

The importance of PM scheduling cannot be over emphasized. All maintenance divisions should give due importance to critical equipments protection systems. Simulation register to be reviewed periodically.

CM / OS

CM/EEMG

DGM / C&I

Copy submitted to GM/O&M Copy submitted to CEO / NTPL





