

UNIT TRIPPING REPORT

UNIT No: 1
TUTICORIN.

STATION: NTPL,

OUTAGE: NO.53

REPORT NO: 53

- 1.Date of tripping : 08-09-2020
- 2.Time of tripping : 14:40:52 Hrs
- 3.Status before tripping
 - a) Unit load : 280 MW
 - b) Mills in service : A, 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 : Loss of all fuel MFT acted.
- 5.Similar occurrences in the Financial Year : Nil
- 6.Other relays/protection acted : TG tripped on Boiler trip.
- 7.Supporting documents attached : S.O.E
- 8.Any operation done prior to tripping : Nil
- 9.Analysis of tripping :

Two of the PA header pressure low switches acted causing all Mills to trip leading to boiler trip on Loss of all fuel MFT. Unit got tripped on boiler trip.

- 10.Root cause :

On local inspection a cover on top of the instrumentation panel was found missing causing rain water to enter the panel. Water entry caused two switches to act resulting in boiler MFT trip.

11. Remedial measures taken/to be taken:

All local panels of critical inputs are to be sealed properly to prevent rain or any leakage water entry causing such spurious pickups.

12. Time/Date of boiler light up and sync:

Light Up: : 15:23 Hrs on 08-09-2020

Sync'd: : 18:59 Hrs on 08-09-2020

13. Delay for Sync : Supply failure due to U#2 trip.


Boiler was in service and parameter raising was underway when U#2 trip occurred at 16:15 hrs. MDBFP2 got started in auto due to Unit #2 trip. Since ST1 alone was in service and ST2 was under LC, starting of additional MDBFP2 caused over load tripping of loads in Unit #1. Both FD fans tripping lead to boiler trip at 16:15:31 hrs. After normalizing electrical supply again boiler was lighted up at 17:15 hrs.

14. Recommendation / Action plan :

Sl.No.	Recommendations/Action plan	Responsibility	Time line
1)	Water sealing of local panels to be ensured immediately	C&I	Immediate
2)	Auto starting of second MDBFP during Unit trip to be bypassed in future under similar stn conditions.	OS	Immediate


15. Any specific learning / feedback :

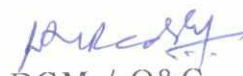
Water tightness of local instrumentation panels are to be ensured through regular inspection. Any missing covers or glands are to be replaced in time.


ADGM / OS 9/9/20


DGM / EEMG


DGM / C&I


DGM / ELECT


DGM / O&C

Copy submitted to CEO / NTPL
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