

## UNIT TRIPPING REPORT

UNIT No: 1  
TUTICORIN.

STATION: NTPL,

OUTAGE: NO.55

REPORT NO: 55

1. Date of tripping : 15-01-2021
2. Time of tripping : 03:01 Hrs
3. Status before tripping
  - a) Unit load : 280 MW
  - b) Mills in service : A, B, C, D, & E
  - c) Oil guns in service : Nil
  - d) Boiler feed pumps in service : TDBFP A & B
  - e) CEPs in service : A & B
  - 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 & C
4. First Up protection acted : Turbine was hand tripped
5. Similar occurrences in the Financial Year : Twice before
6. Other relays/protection acted : Boiler was also tripped.
7. Supporting documents attached : Nil.
8. Any operation done prior to tripping : Load reduced and tripped.
9. Analysis of tripping :

Control Oil welding joint leak was observed in IPCV-2 HP line. Unit was hand tripped after reducing load.
10. Root cause :

Poor welding quality had resulted in repeated failures in these HPCF SS weld joints.
11. Remedial measures taken/to be taken:

Proper care to be exercised in future while welding critical joints.

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

Light Up: : 06:14 Hrs on 15-01-2021

Sync'd: : 07:25 Hrs on 15-01-2021

13. Delay for light up : No delay.

14. Recommendation / Action plan :

Sl.No.	Recommendations/Action plan	Responsibility	Time line
1)	Adequate care to be exercised during welding joints in HPCF SS lines.	TM-1	In Future

15. Any specific learning / feedback :

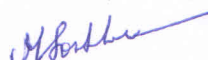
Three leaks occurred in two joints of HPCF line to IPCV-2 of Unit#1 over a period of one year. Timely detection of leaks has prevented any possible hazards. Such repetition of leaks can be avoided only by improving work quality.



ADGM / OS



DGM/EEMG



ADGM / C&I



DGM / ELECT



DGM / O&C

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