UNIT TRIPPING REPORT

UNIT No:

STATION: NTPL,

TUTICORIN.

OUTAGE: NO. 34

REPORT NO: 34

: 13-10-2018 1.Date of tripping

: 02:57:05 2. Time of tripping

3. Status before tripping

: 475 MW a) Unit load

: B, C, D, E, F & H b) Mills in service

: Nil c) Oil guns in service

: TDBFP A & B d) Boiler feed pumps in service

: 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

: Boiler Emergency PB acted 4. First Up protection acted

5. Similar occurrences in the

: Nil Financial Year

: Turbine trip / Generator trip 6.Other relays/protection acted

: S.O.E & Trend 7. Supporting documents attached

8. Any operation done prior to tripping : Nil

9. Analysis of tripping ASLD 4,7,8 & 10 picked up @ 02:15 hrs and heavy sound observed at 57 ML of Boiler. Difference of about 100 t/hr was observed between FW and MS flows. Boiler was hand tripped @ 02:57 hrs on 13.10.2018.

10.Root cause

Pin hole puncture of a w/w tube at an erection weld joint @ 24 ML Boiler Front resulted in fish mouth opening @ 56 ML on the same tube due to starvation. Also 90° bend cracks were there @ 10.5 ML RHS man hole, inside seal box.

11. Remedial measures taken/to be taken:

Boiler Tube Leaks were attended and unit was lighted up.

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

Light Up:

16:32 Hrs on 14.10.2018

Sync'd:

20:28 Hrs on 14.10.2018

13.Delay for light up

: No delay.

14.Recommendation / Action plan

:

Sl.No.	Recommendations/Action plan	Responsibility	Time line
1	Erection defects in tubes can be eliminated only as and when they occur.	BMD	As encountered

15.Any specific learning / feedback

Erection defects resulting in boiler tube failures may crop up at a later stage, which can be eliminated only over a period of time depending on the frequency of their occurrence.

CM / OS

CM/EEM

DGM / C&I

DGM / ELECT

DGM / O&C

Copy submitted to GM/O&M

Copy submitted to CEO / NTPL





