

UNIT SHUTDOWN REPORT

UNIT No: 2

STATION: NTPL, TUTICORIN.

OUTAGE: NO. 67

REPORT NO: 67

1. Date of shutdown : 03-06-2022
2. Time of shutdown : 21:25 Hrs
3. Status before shutdown
 - a) Unit load : 495MW
 - b) Mills in service : 6
 - 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 : 2A,2B

4. Analysis of Shutdown :

On 03/06/2022 at 18:36 hrs Unit was running at 490 MW, suddenly there was a dip in generation around 15 MW noticed and the reason found to be the closure of IP stop valve left side. After that, unit load was reduced to 280MW and the stop valve opening was tried with test valve but it was unsuccessful so unit load was reduced further and boiler was hand tripped as requested by turbine maintenance

5. Root cause:

After shutdown, it was tried to open the stop valve with the test valve and found that below piston pressure for the stop valve found not increasing and above piston is not getting drained.so it was suspected to be problem with test valve.so test valve was cleaned and to avoid draining of below piston pressure, orifice kept in drain line of test valve and stop valve is found operating.so unit taken into service after the work completion. The problem in the test valve is yet to be analysed.

6. Remedial measures taken/to be taken: Test valve for IP stop valve to be checked during the next stoppage.


7. Time / Date of boiler light up and synchronization :

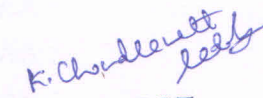
Light Up: 22:20 Hrs. on 04/06/2022.
Sync : 01:18 Hrs. on 05/06/2022.

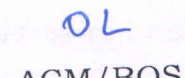
8. Recommendation / Action plan :


Sl.No.	Recommendations/Action plan	Responsibility	Time line
1	Ensuring spare for test valve	TM	NIL


9. Signatures / Date :

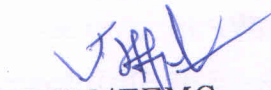

EE / OS


EE/ ELECT


ACM/BOS


DGM / OS & SAFETY


DGM / C&I


DGM/EEMG

Copy submitted to CEO / NTPL

Copy submitted to GM/O&M