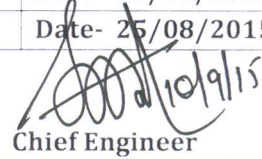


EVENT ANALYSIS REPORT				
UNIT NO : 04	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 13:10 Hrs	Date - 16/08/2015	No. of days from last sync. : 25 days
2. Operating conditions at the time of Event :-				
Load 136 MW		Coal Cycles in service A,C,D,E&F		Oil Support NIL
3. Nature of Event : Unit withdrawn to replace gland box sheared-off bolts at LPT.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Emergency Trip PB OPTD.(First Up) Generator Protection operated, Turbine Tripped, Gen.low forward power protection operated.				
5 A) Observations:- (1) TG Bearing No. 2 and TG Bearing No.4, pitting marks observed on axial & yoke keys. Also clearances on axial keys and side packers (Bearing No.4) found on higher side due to vibrations corrected to designed value. (2) Both bearings of barring gear motor found damaged.				
5 B) Remedial Action/work done:- (1) LPT gland box bolts replacement & centering carried out. (2) Brg. No 2 & 4 inspection carried out. (3) Barring gear motor both bearing replaced with new brgs.. (4) JOP hose replaced at Brg. No.2.				
6. Root Cause Analysis :- Due to high vibrations of Brg. No.4 LPT gland box bolts were damaged.				
7. Preventive action suggested (Short Term) :-				
8. Preventive action suggested (Long Term) :-				
9. Similar event occurred last time:-		Unit No # 4 , 210MW	Time : 19:02 Hrs	Date: 22/07/2015
Event : Unit withdrawn at 19.02 Hrs on dt. 22/07/2015 for turbine trim balancing.				
Remedial Actions : - Trim balancing of HP & IP turbine rotor carried out, LP rear rotor weight added 1045 gms at 40 degree. So, total weight at HP front - 728 gms, IP - 805 gms & LPT - 1045 gms.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr No 7 & 8 :-				
10. Boiler lighted up		Time - 01:12 Hrs	Date- 25/08/2015	
11. T-A Set Synchronized		Time - 08:43 Hrs	Date- 25/08/2015	
12. Remark :- <div style="text-align: right;"> Chief Engineer</div>				
13. Recommendations of Works Section:				
1. Procurement/Replacement Plan:				
2. Operational Error:				
3. Delay in Maintenance:				
4. Delay in bringing back the Unit:				
5. Training of Staff:				
6. Whether remedial action is completed satisfactory & point is closed:				
C E/Dy C E (Works)				