


EVENT ANALYSIS REPORT				
UNIT NO : 01	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 03:22 Hrs	Date - 17/08/2015	No. of days from last sync. : 4 days
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service		Oil Support
60 MW		A, B		AB elevn. with 4 guns
3. Nature of Event: T.A. Set withdrawn due to ID Fan brg problem.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Loss of all fuel trip. (First Up), Generator Protection Operated, Turbine tripped, AVR P.T. fuse failure.				
5A) Observations :- ID Fan-1A NDE brg. temp high indication appeared & the fan found tripped at 21:18 Hrs on dt.16/08/2015 due to high brg. temperature. B/M inspected NDE brg & started the fan on trial but tripped on electrical protection. Then, E/M checked its motor, also meggering done and the same found ok. Subsequently, ID fan-1A restarted at 02:45 hrs. on dt.17/08/2015 for trial purpose but stopped from local by B/M due to abnormal sound & fumes in its NDE brg. As such, due to non-availability of ID Fan-1A, only one air cycle was in service along with only two coal mills (C/M-1A & 1B) and four oil guns in AB elevation in service. Hence, T.A. set withdrawn at 03:22 Hrs.				
5 B) Remedial Action/work done :- ID Fan-1A NDE bearing replaced along with auxiliary seal kit assembly.				
6. Root Cause Analysis: - ID Fan-1A NDE bearing failed due to fatigue. Its auxiliary seal kit assembly was damaged due to loosening of fixing bolts.				
7. Preventive action suggested (Short Term):- Checking & inspection of DE & NDE bearing of ID Fan-1A will be carried out during available opportunity, i.e., shutdown of atleast four days.				
8. Preventive action suggested (Long Term) :-				
9. Similar event occurred last time:-	Unit No # 1, 210MW	Time :	Date:	
Event: - No such event found.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr No 7 & 8 :-				
10. Boiler lighted up	Time - 14:50 Hrs	Date- 17/08/2015		
11. T-A Set Synchronized	Time - 17:06 Hrs	Date- 17/08/2015		
12. Remark :-				
 Chief Engineer				
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)				