


EVENT ANALYSIS REPORT				
UNIT NO : 01	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 13: 53 Hrs	Date - 30/03/2016	No. of days from last sync. : 158 days
2. Operating conditions at the time of Event :-				
Load 177 MW		Coal Cycles in service A, B, C, D & E		Oil Support Nil
3. Nature of Event: Boiler tripped on loss of fuel trip protection.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Loss Of All Fuel Trip (First Up): 1C C/M tripped, 1 CA-6.6 Board, Turbine Tripped, Boiler Tripped.				
5A) Observations : On Dt 30/03/2016 at 13:48 Hrs T.A set was on load at 177 MW with five coal cycles A, B, C, D & E in service. Suddenly, due to 'flash over' occur on Coal Mill 1C result in tripping of 1 CA 6.6 KV board at 13:52 Hrs which result in loss of fuel supply to boiler and finally set tripped on 13:53 Hrs on loss of fuel protection.				
5 B) Remedial Action/work done: Coal mill 1C motor phase separator replaced. R phase power cable replaced, insulation resistance value from panel end taken, and found ok.				
6. Root Cause Analysis: Due to coal mill 1C tripped on earth fault in motor, result loss of supply at 1 CA-6.6 KV board. This result in tripping of all coal mills and finally set was tripped on loss of fuel protection.				
7. Preventive action suggested (Short Term) :				
8. Preventive action suggested (Long Term) :-				
9. Similar event occurred last time:-	Unit No # 1, 210 MW	Time : 04:50 Hrs	Date : 11/11/2013	
Event: - T.A. Set tripped on "Flame Failure".				
Remedial Actions: No work done.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr No 7 & 8 :-				
10. Boiler lighted up	Time - 15:50 Hrs	Date- 30/03/2016		
11. T-A Set Synchronized	Time - 19:34 Hrs	Date- 30/03/2016		
12. Remark: - Operation staff should give attention to maintain the rated temp of PRDS steam specially when Unit trips.				
 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)				