


# **EVENT ANALYSIS REPORT**

<b>UNIT NO : 01</b>		<b>TPS : Khaperkheda TPS</b>		<b>Unit Capacity : 210 MW</b>	
<b>1. *HO Code :</b>	<b>Station Code : T003</b>	<b>Time - 18:03 Hrs</b>	<b>Date - 04/11/2016</b>	<b>No. of days from last sync. : 16 days</b>	
<b>2. Operating conditions at the time of Event :-</b>					
<b>Load</b>		<b>Coal Cycles in service</b>		<b>Oil Support</b>	
187 MW		A, B, C, D & E		Nil	
<b>3. Nature of Event:</b> T.A. Set tripped due to "Flame Failure" protection.					
<b>4. Name of First Up , Main Protections &amp; Protection on which GCB tripped :</b> Flame Failure (First Up), Turbine Tripped, Gen. Protection Operated, Generator Reverse Power Protection.					
<b>5A) Observations :</b> T.A. set was on load at 187 MW with five coal cycles in service (F- S/by) and bottom ash deashing was in progress. Furnace pressure found disturbed and flame scanners showing no flame signal. Boiler tripped on 'Flame Failure' protection, which resulted in T.A set tripping at 18.03 hrs on dt.04.11.16 on boiler interlock..					
<b>5 B) Remedial Action/work done:</b> No work done.					
<b>6. Root Cause Analysis :</b> Due to falling of clinker boiler flame disturbed and boiler tripped on "Flame Failure" protection. GCB opened on 'Reverse Power Protection'.					
<b>7. Preventive action suggested (Short Term) :</b> Circular issued to the concerned staff regarding - (1) Only one bottom ash grinder to be put in service at a time. (2) Furnace pressure to be maintained adequately around (-) 10 to (-) 15 mmwc.					
<b>8. Preventive action suggested (Long Term) :</b>					
<b>9. Similar event occurred last time:-</b>		<b>Unit No # 1, 210 MW</b>	<b>Time : 07:20 hrs</b>	<b>Date : 27/04/2015</b>	
<b>Event:-</b> T.A. Set tripped on "Flame Failure". <b>Remedial Actions:</b> No work done.					
<b>9A. Implementation Status of Long Term/Short Term measures stated at Sr No 7 &amp; 8 :-</b>					
<b>10. Boiler lighted up</b>		<b>Time - 18:40 Hrs</b>		<b>Date- 04/11/2016</b>	
<b>11. T-A Set Synchronized</b>		<b>Time - 20:56 Hrs</b>		<b>Date- 04/11/2016</b>	
<b>12. Remark :</b>					
<div style="text-align: right;">   <b>Chief Engineer</b> </div>					
<b>13. Recommendations of Works Section:</b>					
<b>1. Procurement/Replacement Plan:</b>					
<b>2. Operational Error:</b>					
<b>3. Delay in Maintenance:</b>					
<b>4. Delay in bringing back the Unit:</b>					
<b>5. Training of Staff:</b>					
<b>6. Whether remedial action is completed satisfactory &amp; point is closed:</b>					
<b>C E/Dy C E (Works)</b>					