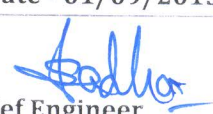


# **EVENT ANALYSIS REPORT**

<b>UNIT NO : 04</b>	<b>TPS : Khaperkheda TPS</b>		<b>Unit Capacity : 210 MW</b>	
<b>1. *HO Code :</b>	<b>Station Code :</b> T003	<b>Time -</b> 22:31 Hrs	<b>Date -</b> 31/08/2015	<b>No. of days from last sync. :</b> 6 days
<b>2. Operating conditions at the time of Event :-</b>				
<b>Load</b>		<b>Coal Cycles in service</b>		<b>Oil Support</b>
127 MW		A, B, C, E & F		Nil
<b>3. Nature of Event :</b> T.A set tripped on 'Drum Level Very High'.				
<b>4. Name of First Up , Main Protections &amp; Protection on which GCB tripped :</b>				
Drum Level Very High <b>(First Up)</b> Drum Level Very High, Boiler Tripped, Turbine Tripped.				
<b>5 A) Observations :</b> Due to EHC fault, turbine control changed from EHC to hydraulic. At 22:28 Hrs, Set was on load (127 MW) with hydraulic control. Turbine control valve HPCV-1 found closing from 19% but HPCV-2 found not responding to share the load. This situation resulted in dropping of load. At 22:31 Hrs, Load found dropped to 90 MW when HPCV-1 was 0% and HPCV-2 was 33% open. Suddenly, HPCV-1 found opening to 26% and HPCV-2 not responding to share the load, Ultimately, this resulted in drum level very high and set tripped on "Drum Level Very High"				
<b>5 B) Remedial Action/work done :</b> No work done.				
<b>6. Root Cause Analysis :</b> At 22:31 Hrs, Load found dropped to 90 MW when HPCV-1 was 0% and HPCV-2 was 33% open. Suddenly, HPCV-1 found opening to 26% and HPCV-2 not responding to share the load, Ultimately, this resulted in drum level very high and set tripped on "Drum Level Very High" protection.				
<b>7. Preventive action suggested (Short Term) :-</b>				
<b>8. Preventive action suggested (Long Term) :-</b>				
<b>9. Similar event occurred last time:-</b>	<b>Unit No # 4 , 210MW</b>	<b>Time :01:19 Hrs</b>	<b>Date: 30.05.2010</b>	
<b>Event:.</b> Set (U-4, KPKD) tripped on "Drum Level Very High" protection while operating SLLD for correction of turbine inlet pressure.				
<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 - 00:16 Hrs</b>	<b>Date - 01/09/2015</b>		
<b>11. T-A Set Synchronized</b>	<b>Time - 03:06 Hrs</b>	<b>Date - 01/09/2015</b>		
<b>12. Remark :-</b>				
 <b>Chief Engineer</b>				
<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>				