EVENT ANALYSIS REPORT

UNIT NO : 04	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time – 21:06 Hrs	Date - 04/11/2015	No. of days from last sync. : 05 day

2. Operating conditions at the time of Event :-

Load	Coal Cycles in service	Oil Support
122 MW	A, B, C, D&F	NIL

3. Nature of Event: Boiler tripped on "Furnace Pressure Very Low" which resulted in set tripping on boiler interlock.

4. Name of First Up , Main Protections & Protection on which GCB tripped :
Furnace Pressure Very Low **(First Up)**, Turbine Tripped, Gen.Class 'A' Trip, MFT Operated.

5 A) Observations: On dt. 04/11/2015, Kanika and reclaimed coal bunkering started at 18:05 hrs. That time, unit # 4 was sharing 162 MW load with 5 coal cycles A, B, C, D & F in service. Due to this very poor coal, load found dropping from 162 MW to 122 MW. At 21:06 hrs, boiler tripped on "Furnace Pressure Very Low" protection and set tripped on boiler interlock.

5 B) Remedial Action/work done: - No work done.

6. Root Cause Analysis : Due to falling of clinker, furnace draft disturbed and set tripped on Furnace pressure very low. It is suspected that clinker formation might be due to very poor quality of coal.

7. Preventive action suggested (Short Term) :-

8. Preventive action suggested (Long Term) :-

9. Similar event occurred last time:-	Unit No # 4 , 210MW	Time : 14:31 Hrs	Date: 18/10/2015

Event : T.A. Set tripped on "Furnace Pressure Very Low".
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 – 00:20 Hrs	Date- 05/11/2015
11. T-A Set Synchronized	Time – 01:40 Hrs	Date- 05/11/2015

12. Remark: During this outage, LPT rear weights of 950 gms removed. LPT rear gland box clearance was found 0.5 mm around the shaft.

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)