EVENT ANALYSIS REPORT

UNIT NO : 04	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time – 02:40 Hrs	Date - 04/11/2017	No. of days from last sync. : 10 days

2. Operating conditions at the time of Event :-

Load	Coal Cycles in service	Oil Support
150 MW	A, B, C, D & E	NIL

3. Nature of Event: TA set tripped due to short circuit in 6.6 K.V switchgear room.

4. Name of First Up , Main Protections & Protection on which GCB tripped :
Loss Of All Fuel (First Up), MFT Operated, Turbine Tripped, Trip Gear Operated.

5A) Observations: On dt. 04/11/2017 at 02:40 hrs. Unit-4 was sharing 150 MW load with five coal cycles (Coal Cycle-F Standby). Heavy flashover occurred in 6.6KV breaker (outgoing feeder to Ozone plant of unit-3) of OCK board. Due to flashover in Ozone plant feeder, heavy jerk noticed on station supply. Boiler tripped on loss of fuel. GCB opened on reverse power protection.

5 B) Remedial Action/work done: H.T supply isolated, All H.T panels cleaned. Outgoing feeder to Ozone plant thoroughly cleaned, Decarbonising done. Megger value checked. H.T panel changed.

6. Root Cause Analysis: A burnt rat found while opening breaker panel door, created short circuit, caused the tripping of OCK/4CB board, resulting tripping of unit.

7. Preventive action suggested (Short Term): Panels will be checked for sealing. Rat killer cakes will be put in 6.6 KV switchgear room.

8. Preventive action suggested (Long Term) :

9. Similar event occurred last time :	Unit No # 4 , 210 MW	Time :	Date :

Event: No similar event found.
Remedial Actions:

9A. Implementation Status of Long Term/Short Term measures stated at Sir No 7 & 8 :-

10. Boiler lighted up	Time – 14:10Hrs	Date - 04/11/2017
11. T-A Set Synchronized	Time – 16:55 Hrs	Date - 04/11/2017

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)