


EVENT ANALYSIS REPORT				
UNIT NO : 04	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 12:32 Hrs	Date - 22/11/2016	No. of days from last sync. : 1 Day
2. Operating conditions at the time of Event :-				
Load		Coal Cycles in service	Oil Support	
100 MW		B & C	NIL	
3. Nature of Event : T. A. set forced withdrawn due to GTR-4 'R' phase CT oil leakage in 220 KV yard (GCR).				
4. Name of First Up , Main Protections & Protection on which GCB tripped : Hand Tripped (First Up), Generator Class A, MFT Operated, Turbine Tripped.				
5 A) Observations: On dt. 22/11/16 at 12.00 hrs, set was on load at 164 MW with four coal cycles in service (A & E - S/by) and no oil support. At 12.08 hrs email received from GCR regarding 'R' phase CT oil leakage of GTR-4. Coal mills - F & D were withdrawn one by one for reducing load in order to withdraw the set. Finally, set withdrawn at 12:32 hrs when the load was 100 MW with coal cycle - B & C in service. GCB opened on Reverse Power Protection.				
5 B) Remedial Action/work done: GTR-4 Line Isolator, LBB Link opened at both, GCR & PCR end. Local earthing provided at generator side (HV side of GTR). CT oil leakage of GTR-4 'R' phase attended by GCR by means of tightening its stud nut bolt. Earthing removed & isolations normalized after attending the oil leakage.				
6. Root Cause Analysis : CT oil leakage of GTR-4 'R' phase due to looseness of its stud nut bolt.				
7. Preventive action suggested (Short Term) : Preventive maintenance schedule for CTs of all the GTRs will be prepared and followed. CT connections of GTR of all the units (1 to 4) will be checked & attended in the possible opportunities. A letter (No.623 dated 07.12.16) is sent to GCR, Khaperkheda in this regard.				
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 Sr No 7 & 8 :				
10. Boiler lighted up		Time - 16:15Hrs	Date - 22/11/2016	
11. T-A Set Synchronized		Time - 20:53 Hrs	Date - 22/11/2016	
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)				

KHG / Dy.CE-I / 210 MW /

No 623

Date : - 7 DEC 2016

To,  
Addl. Ex. Engineer,  
Mahatransco, GCR,  
Khaperkheda.

**Kind Attention : Sh M.P.Kolte.**

**Sub :** Preventive maintenance of stud nut bolts of CTs.

**Ref :** CT oil leakage of GTR-4 'R' phase on dt.22.11.16.

Dear sir,

With reference to above, it is requested to prepare preventive maintenance schedule for CTs of all the GTRs. Looking at the outage of Unit-4 on dt.22.11.16 for attending CT oil leakage of Gtr-4 'R' phase, CT connections of GTR of all the units of Khaperkheda need to be checked & attended in the possible opportunities to come. Under long-term action plan, replacement of CT stud nut bolts with new ones may also

be done.

Thanking You.

  
**Dy. Chief Engineer-I**  
**Khaperkheda TPS**

**Copy s.w.r. to :**  
The Chief Engineer, MSPGCL, Khaperkheda.

**Copy to :**  
(1) SE (O-I) / SE (M-I), Khaperkheda.  
(2) EE (OS-I) / EE (EM-I), Khaperkheda.