EVENT ANALYSIS REPORT							
UNIT NO: 04	TPS: Khaperkheda TPS Unit Capa			acity	rity : 210 MW		
1. *HO Code :	Station Code:	Time -	Date -	N	No. of days from last sync. :		
	T003	16:10 Hrs	09/01/2017		11 Days		
2. Operating conditions at the time of Event :-							
L	oad	Coal Cycl	Coal Cycles in service		Oil Support		
135 MW		B, C & D			NIL		
3. Nature of Ever	nt: T. A. set forced wit	hdrawn due to GTF	n due to GTR-4 'Y' phase CT oil leakage in			ge 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. 09/01/17 at 15.00 hrs, set was on load at 189 MW with five coal cycles in service							
(E - S/by) and no oil support. At 14.52 hrs email received from GCR regarding 'Y' phase CT oil leakage of GTR-4.							
Coal mills - A & F were withdrawn one by one for reducing load in order to withdraw the set. Finally, set withdrawn							
at 16:10 hrs when the load was 135 MW with coal cycle - B, C & D 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 'Y' phase attended by GCR by means of							
applying steel putty on sealing of its collar nut bolts (22 Nos). Earthing removed & isolations normalized after							
attending the oil leakage.							
6. Root Cause Analysis: CT oil leakage of GTR-4 'Y' phase due to ageing of gasket / seal ring of its oil tank collar nut							
bolts.							
7. Preventive action suggested (Short Term): A letter (No.15151 dtd. 04.02.17.) is sent to GCR, Khaperkheda							
for preventive maintenance schedule for CTs of all the GTRs to prepare and follow. CT connections of GTR of all the							
units (1 to 4) along with gasket / seal ring of collar nut bolts to be checked & attended in the possible opportunities.							
8. Preventive action suggested (Long Term):							
9. Similar event	occurred last time:	VI-14 N	# 4 240 MM	TP:	- 42.22 H	D-4- 22 /44 /46	
		Unit No	#4,210 MW	11111	e: 12:32 Hrs	Date: 22/11/16	
Event: T. A. set forced withdrawn due to GTR-4 'R' phase CT oil leakage in 220 KV yard (GCR).							
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.							
A letter (No.623 dtd. 07.12.16) is sent to GCR, Khaperkheda for preventive maintenance schedule for CTs to follow.							
9A. Implementation Status of Long Term/Short Term measures stated at Sr No 7 & 8:							
10. Boiler light	ed up	Time -	19:35Hrs		Date - 09/01/2017		
11. T-A Set Syn	chronized	Time - 1	21:40 Hrs		Date - 09/01/2017		
12. Remark:							
	B =10						
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)						orks)	



MAHARASHTRA STATE POWER GENERATION CO. LTD. KHAPERKHEDA THERMAL POWER STATION

(ISO 9001:2008, ISO 14001:2004 & ISO 18001:2007)

Office of: Chief Engineer, T.P.S., Khaperkheda, Dist. Nagpur, PIN - 441102

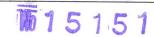
Phone: (07113) 268168 to 172,268236,268131 FAX: 268239(Off)/268123(Site)

Email - cegenkpkd@mahagenco.in



KHG / Dy.CE-I / 210 MW /

Reg. No. U-40100 MH 2005 PLC 153648



Date: **4** FEB 2017

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

Kind Attention: Sh M.P.Kolte.

Sub: Preventive maintenance of collar nut bolts of oil tank of CTs.

Ref: CT oil leakage of GTR-4 'Y' phase on dt.09.01.17.

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.09.01.17 for attending CT oil leakage of GTR-4 'Y' phase, gaskets / seal ring of nut bolts of GTR of all the units of Khaperkheda need to be checked & attended in the possible opportunities to come.

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 (General) / (OS-I) / EE (EM-I), Khaperkheda.

Ruens on of 4.2.15

Addl. Executive Engineer 220KV, Khaparkheda, Sub-Station