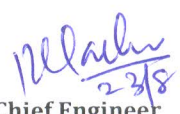


EVENT ANALYSIS REPORT				
UNIT NO : 02	TPS : Khaperkheda TPS		Unit Capacity : 210 MW	
1. *HO Code :	Station Code : T003	Time - 07:08 Hrs	Date - 08/08/2017	No. of days from last sync. : 0 days
2. Operating conditions at the time of Event :				
Load		Coal Cycles in service	Oil Support	
135MW		A, B, C & E	NIL	
3. Nature of Event: TA set tripped on Generator Over Voltage Protection.				
4. Name of First Up , Main Protections & Protection on which GCB tripped : LTR In Action(First Up), Led Glowing, Generator Over voltage Protection Operated, Load Shedding Relay.				
5 A) Observations: Set was on load at 135 MW with four coal cycles in service. Hunting in generator voltage observed at 07:05 AM. Before any corrective action could be taken set tripped on Over Voltage Protection.				
5 B) Remedial Action/work done : 1) Generator VT-filter (A100) bypassed. 2) All the connections and TB's in AVR panel checked for any looseness. 3) Under excitation limiter card XZ9302 was removed. 4) Test supply made on pulse checked at both auto and manual channel. Also voltages were checked at both auto and manual channels for any unbalance. Voltages were also measured at pulse final stage & power unit.				
6. Root Cause Analysis : Due to problem in AVR hunting in load & generator voltage observed and set tripped on generator over voltage protection.				
7. Preventive action suggested (Short Term) :				
8. Preventive action suggested (Long Term) :				
9. Similar event occurred last time :		Unit No #2, 210 MW	Time : 15:31 Hrs	Date : 07/08/2017
Event: Set tripped on Generator Protection.				
Remedial Actions : 1) One of the Tire fans in AVR regulation panel was having abnormal sound. THE Vibration caused by the fan was disturbing the auto manual pulse balance. The Tie fan was replaced. 2) UN1001 card (Gate control unit) of both Auto and manual channel replaced. 3) UN2004 Card (Pulse coupling stage and power pack unit) of both auto and manual channel cleaned. 4) Manual channel motorised pot commutator brushes replaced. Also auto channel motorised pot commutator brushes cleaned. 5) UN2010 card (control amplifier) replaced. Current signals coming to control amplifier bypassed by soldering behind the cards. 6) UN 0053 card (Pulse Supervision) replaced.				
9A. Implementation Status of Long Term/Short Term measures stated at Sr No 7 & 8:-				
10. Boiler lighted up		Time - 08:45 Hrs	Date - 08/08/2017	
11. T-A Set Synchronized		Time - 16:05 Hrs	Date - 08/08/2017	
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)				