<u> </u>		EV	ENT ANA	ALYSIS REPORT				
UNIT NO: 02	NIT NO: 02 TPS: Khaperkheda TPS			Unit Capacity	y: 210 MV	V		
1. *HO Code :	Station Code : T003	Time - 15	:31 Hrs	Date - 07/08/20	)17	-	from last sync. : days	
	ditions at the time	of Event:						
Load			Coal Cycles in service			Oil Support		
110 MW			A, B, C, D & F			AB-2 guns LDO		
3. Nature of Even	t: TA set tripped or	n Generator (	Over Volt	age Protection.				
	Up , Main Protection							
Auto Channel	Pulse Fail (First Up)	,Generator C	ver volta	age, Thyristor bloc	k TY-3 Fa	ult, AVR Auto	Change Over Fail.	
elevation. Gene	s: On dt.07/08/20: erator voltage was r voltage protection.	rising slowly.					and oil support at AB set tripped on	
5 B) Remedial Action/work done:								
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. (IR compensation)								
6)UN 0053 card (Pulse Supervision) replaced.								
6. Root Cause Analysis: Due to problem in AVR generator voltage increased upto 17.91 KV 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 :		9	Unit I	No #2, 210 MW Time: 18:51 Hrs		18:51 Hrs	Date: 20/01/2014	
Event: Set tripp	ed on Generator Pr	otection.			1			
Remedial Actions	s : <u>TIC:</u>							
1. Defective thyrister along with fuses replaced								
2. AVR Auto channel power supply and firing circuit checked by using test supply. Test results are OK								
3. All protection circuit at GRP end checked and found normal.								
	for light up @ 23:30							
	ion Status of Long To	erm/Short Te	Y			- 05 (00	/p.o.4.5	
10. Boiler lighted up			Time - 16:30 Hrs			Date - 07/08/2017		
11. T-A Set Sync	hronized		Time -	21:15 Hrs	I	Date - 07/08,	/201/	
12. Remark :							Maly Chief Engineer	
13. Recommenda	ations of Works Sect	ion:					v	
1. Procure	ment/Replacemen	ıt Plan:				8		
2. Operational Error:								
3. Delay in Maintenance:								
4. Delay in bringing back the Unit:								
5. Training	of Staff:	+						
6. Whether	remedial action is	s completed	satisfac	tory & point is clo	osed:			
C E/Dy C E (Works)							Vorks)	