		EVENT ANA	ALYSIS REPORT			
UNIT NO: 04	TPS: Khaperk	heda TPS Unit Capacity : 210 MW				
1. *HO Code :	Station Code:	Time -	Date -		No. of days from last sync. :	
	T003	03:19Hrs	10/07/2017		<i>y</i>	
2. Operating co	onditions at the ti	me of Event :-				
Load Coal Cycles in service Oil Sup					Oil Support	
59 MW			В & С		NII	
3. Nature of Event: TA set withdrawn due to boiler tube leakage in economiser zon					, s	
4. Name of Firs	t Up , Main Protect	ons & Protection or	n which GCB trip	ped:		
5 A) Observatio and no Oil s	ons: On dt. 10/07/20 support. As DM wate ear LRSB No.79 RHS	r make up increased	vas on load at 140	MW with five coal	mills in service(F –S/by) sound observed at 38.5 ad finally, set withdrawn	
Primary Fai Secondary f Economizer Work carrie economizer I	upper bank coil no.1 ad out: Economizer i ntermediate and eco	nomizer inlet header	34 tube no.03 four croded. 7,128,131 &134 a 7 (Total No. of HP	nd punctured. ttended by welding weld loints = 08	g hemispherical spool at	
7 Proventive as	tion are to 1 (6)	ue gas erosion of tube	e no.3 upper bank	coil no 128 is the	root cause failure.	
	tion suggested (Sho					
1) Poplacemen	tion suggested (Lo	ng Term):				
2) Normalizati	on of plugged ease.	mizer coil during fort	th coming AOH of	Unit 4.		
2) Normanzati	on of plugged econo.	mizer coll no.127, 12	8, 131 & 134 will	oe carried fourth c	oming AOH of unit no.4.	
9. Similar event occurred last time :			‡ 4 , 210 MW	Time : 10:20Hr		
Event: T. A. set f	forced withdrawn (h	and tripped) due to b	ooiler tube leakage	e at economizer co	ils.	
punctured. Secondary fa. 1) SCW inle 2) Economiz Work Carried 1) Economiz economiz 2) Replacem	s Primary Failure – ilure – t header SHH 4A con zer upper bank coil r Out – er upper bank coil 144 er Inlet header. ent of SCW inlet heade (Total no of HP join	necting RHS offset be no. 145 tube no. 17 for a & 145 attended by we r SHH 5 to SHH 4A connts = 13)	ank coil no. 144 to end no.1 &2 found und puncture. lding hemispherica necting RHS offset r	punctured and be spool at economize to.1, 2 & 3.	sh mouth opening end no.3 found eroded.	
9A. Implementat	ion Status of Long	Term/Short Term m	easures stated a	t Sr No 7 & 8:-		
10. Boiler lighted	d up	Time - 0	3:45 Hrs		Date - 11/07/2017	
11. T-A Set Sync	hronized	Time - 0	7:56Hrs	Date - 11/	07/2017	
12. Remark : 13. Recommenda	tions of Works Sec	tion :			Chief Engineer	
1. Procureme	ent/Replacement P	lan:	*			
2. Operationa		-				
3. Delay in M						
	ringing back the Un	it:		· · · · · · · · · · · · · · · · · · ·		
5. Training of						
		ompleted satisfactor	v & noint is also	ad.		
		protou satisfactor	y & point is clos		E/Dy CE (W-1)	
			100	C	E/Dy C E (Works)	