		E	VENT ANA	ALYSIS REPORT			1	
UNIT NO: 03	TPS: Khaperkh	eda TPS		Unit Capacity : 210 MW				
1. *HO Code :	Station Code : T003	Time - 11	1:00 Hrs	Date - 22/10/201	16	-	from last sync. : days	
	ditions at the time	of Event :-						
Load			Coal Cycles in service			Oil Support		
60 MW		A & B			NIL			
3. Nature of Even	t: TA set withdraw	n due to boi	ler tube l	eakage at economiz	zer zone	е.	ē	
4. Name of First U Hand Tripped	U p , Main Protections (First Up), Turbine T	s & Protecti α Γrip Gear Ομ	on on whi	ch GCB tripped : Furbine Tripped, M	FT Ope	rated		
	s: On dt. 22/10/20							
	and no oil support.							
After confirmation of boiler tube leakage in economizer zone, load started reducing by withdrawing coal cycles, one by one. Finally, set hand tripped at 11:00 hrs when the load was 60 MW with C/M-A & B in service and								
cycles, one b	oy one. Finally, set h	and tripped	at 11:00	hrs when the load	was 60	MW with C/M-	-A & B in service and	
no oil suppo	ort. tion/work done : -		IX)					
Secondary F tube no. 2 fo Work carrie	lure - Economizer <u>Failure - Economizer</u> pund punctured. <u>ed out</u> : Economizer, intermediate and e	r upper ban upper bank	k coil no. coil no. 1	138 tube no. 2 & 3 .36, 137 & 138 atte	are fou nded by	nd severely ero y welding hemi	oded and coil no. 136	
	alysis : Localized an pper bank coil no. 13		ated flue	gas erosion is the r	oot cau	se of failure of	tube no. 2 of	
	ion suggested (Short							
1) Normalizati 2) Replacemen	on of plugged econo t of all eroded and p	mizer coils i lugged ecor	no. 136, 1 nomizer o	137 and 138 will be coils will be carried	carried out du	d out during for ring forthcomin	rthcoming AOH. ng AOH of Unit no. 3.	
8. Preventive act	ion suggested (Long	Term) :-						
9. Similar event occurred last time:-			Unit	Unit No # 4 , 210 MW Tin		e : 23:53 Hrs	Date: 08/06/2016	
Remedial Action		Economizer u	ipper ban	k coil no. 151, tube No	o.4 foun			
1) Economizer upper bank coil no. 152 tube no. 2 & 3 and coil no. 153 tube no. 2 & 3 found severely eroded. Coil no.153 tube no. 2 & 3 also found punctured.								
2) Front stea <u>Work carried</u> 1) Economiz and economiz	am cooled wall inlet ho <u>d out</u> : Total HP weld jo zer upper bank coil no omizer inlet header .	eader SHH-5 oints = 08 No . 151, 152 & 1	Stub no. 1 os. (07 But 153 attend	t Joints & 01 Stub Joi ded by welding hemis	nt)	l spools at econo	omizer intermediate	
9A. Implementat	nent of stub no. 1 of fro tion Status of Long Te	erm/Short T	erm mea	sures stated at Sr No	0 7 & 8:	- The above corr	ective action will be	
implemented in A	ugust-16 by BM-I sect	ion.						
10. Boiler lighted up			Time - 05:40 Hrs			Date - 23/10/2016		
11. T-A Set Synchronized		Time -	e – 09:33 Hrs Da		Date - 23/10/	Date - 23/10/2016		
12. Remark :-						Chief E	a igineer	
13. Recommenda	ations of Works Secti	ion:		3 8 3				
1. Procuren	nent/Replacement Pl	lan:		P _{H1}	Next		***	
2. Operation		4						
	Maintenance:	-		Ę.				
	bringing back the Un	it:						
5. Training		1 1	u afe -4	O maintia al				
6. Whether	remedial action is co	impleted sat	usractory	& point is closed:		C E/Dv C E (M	Vorks)	