		FVF	NT ANALYSIS I	REPO	RT		
UNIT NO: 01 TPS: Khaperkheda TPS Unit Capacity: 210 MW							
1. *HO Code :	Station Code : T003		Time - 12:44 Hrs	2	Date -		of days from last sync. : 5 days
2. Operating conditions at the time of Event :-							
Load			Coal Cycles in service				Oil Support
150 MW			A, C, E & F		,	NIL	
3. Nature of Event: T.A. set forced withdrawn to attend boiler tube leakage at steam cooled walls zone.							
Flame Failure (First	, Main Protections& Up), Turbine Trip, Tu	rbine Tr	ip To Boiler Tr	ip, Ge	n. Protection Op		
S/by). Heavy leakag		at 22.9 n	nt. elevation at	stean	n cooled walls z	one. Aft	cycles in service (B & D er confirming boiler tube ne failure Protection.
Secondary failurioint.  Work carried –1  2) Mirror images  no. 1. Replaceme  3) Radiograph of  Total no. of joir	- Front steam cooled re - Front steamed cooled re - Front steamed cooled re - Front steamed cooled re - Front scale re - Front SCW inlet he rent of stub carried out fall H.P. joints (butt joints = 06 Nos. (03 Butt joints)	nt SCW interest section with the section	inlet header to alet header stul b joints checke nos.) is carried 3 Stubs joints)	b no. d. See	5.6 on RHS corr 5 & 6 is carried epage observed	er no.4 out. from tu	found seepage from stub ube no. 08 on LHS, corner
<b>6. Root Cause Analysis:</b> Stress rupture of tube no. 5 of front steam cooled walls inlet header SHH 5 due to pulsating load variation is the root cause of failure.							
monitored strictly	suggested (Short Te and necessary instruc tipulated time period.	ctions ha	ve been display	yed ir	control room t	o carry	
8. Preventive action suggested (Long Term):-							
9. Similar event occi	arred last time:-	* Unit	No # 1, 210M	W	Time: 14:51	Hrs.	Date:11/11/2016
Event: - T.A. set withdrawn to attend boiler tube leakage at LTSH Zone.  Remedial Actions: Primary Failure - LTSH Lower Bank Coil No. 87 Tube No. 1 from bottom, found fish mouth opening punctured.  Secondary failure - (1) LTSH Lower Bank Coil No. 87, Tube No. 2 & 3 found eroded.  (2) LTSH Lower Bank Coil No. 88, Tube No. 2 found punctured and Tube No. 1 & 3 found eroded.  (3) LTSH Lower Bank Coil No. 89 Tube No. 1 found punctured near 90 degree bend.  (4) LTSH Lower Bank Coil No. 86 Tube No. 1 found punctured and Tube No. 2 & 3 found eroded. Replacement of punctured & eroded tubes carried out. (Total 20 Nos. HP welds joints).							
9A. Implementation	Status of Long Term	/Short	Term measur	es sta	ated at Sr No 78	<b>&amp;8</b> :-	24
10. Boiler lighted u			Time -16:15				e- 21/01/2017
11. T-A Set Synchro	nized		Time -21:07	7 hrs.		Dat	e- 21/01/2017
12. Remark: -		18 11			·		Chief Engineer
13. Recommendatio	ns of Works Section:	;			Called &		
1. Procurement/Rep	placement Plan:	*					
2. Operational Error	1						
3. Delay in Maintena							
4. Delay in bringing	back the Unit:	4					
5. Training of Staff:							
6. Whether remedial action is completed satisfactory & point is closed:							
C E/Dy C E (Works)							