EVENT ANALYSIS REPORT						
UNIT NO: 03	TPS: Khaperkheda TPS Unit Capacity: 210 MW					
1. *HO Code :	Station Code : T003	<b>Time</b> –18:02 Hrs	Date - 15/06/201	/	<b>from last sync. :</b> 9 days	
2. Operating conditions at the time of Event :-						
Load		Coal Cycles in service		Oil	Oil Support	
90MW		A,	A, B, C& D		Nil	
3. Nature of Event: TA set withdrawn due to boiler tube leakage in Steam cooled wall zone.						
4. Name of First Up, Main Protections & Protection on which GCB tripped: Hand Tripped(First Up), MFT Operated, Turbine Trip Gear Operated, Turbine Tripped.						
5A) Observations: On dt. 15/06/2017 at 17:00 hrs, set was on load at 140MW with five coal cycles in service						
(F-standby) and no oil support. Considerable variation in feed flow was observed, with abnormal sound at						
45 mt. level.Drum level found dropping and DM make-up found increased. After confirmation of boiler tube leakage						
n steam cooled wall zone, load reduced gradually bywithdrawingcoal cycle 'E'at 17.50 hrs. Set hand tripped at						
18:02 hrs when the load was 90 MW with four coal cycles in service.						
Secondary Failure  1) RHS steam 2) SH screen Work carried out (1) Replacem	e – n cooled wall tube r tube no.97 & 98 fo ; - ent of SCW tube no	nary Failure – RHS St no.3 found punctured und punctured and tu .1, 2, 3 & 4. screen tube no. 94, 9	and tube no.1 &4 table no. 96, 95 & 94	ound eroded. found eroded.		
	lysis: Thermal stresend and punctured.	s rupture is the root o	cause of failure of R	HS tube no.2 of stear	n cooled wall as the	
7. Preventive action suggested (Short Term):						
8. Preventive action suggested (Long Term) :						
(1) Checking of furnace expansion towards chimney during available opportunity.						
(2) Strengthening of stub joints of RHS& LHS tubes during AOH.						
(3) DP Test of stub joints of SCW during available opportunity.						
9. Similar event oc	curred last time:-	Unit N	o #3 , 210 MW	Time : 17:49 Hrs	Date: 28/06/2015	
Event: T.A. Set withdrawn for attending Boiler Tube Leakage at Steam Cooled Water Wall Zone.  Remedial Action / work done:  BM: Replacement of damaged & eroded tubes & bend of Stun No. 1 & 2.  Primary Failure: Steam Cooled Water wall Inlet Header SHH4 to SHH5 connecting elbow at Corner No.4, Stub No.1						
found punctured.						
<b>Secondary Failure:</b> Steam Cooled Water wall Inlet Header SHH4 to SHH5 connecting elbow at Corner No.4, Stub No.2 found eroded <b>Total no of HP weld joints: 06 Nos</b>						
9A. Implementation	on Status of Long Te	rm/Short Term measu	ires stated at Sr No	7&8:-		
0. Boiler lighted up		Time – 1	<b>Time</b> – 14:20Hrs		Date- 17/06/2017	
11. T-A Set Synch	ronized	Time -18	3:42Hrs	Date-17/06/20	Date-17/06/2017	
2. 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)						