		FVFNT A	NALYSIS REPORT			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1							
YY 1: 0 1: 04.0 MW47													
UNIT NO: 03 TPS: Khaperkhe		Time - Date -			No. of days from last sync. :								
1. *HO Code :	Too3	07:00 Hrs	07/05/2016		days	1450 by 1101 1							
2. Operating co	nditions at the time	e of Event :-				7							
	Load		Oil Support										
80 MW		A, B & C			NIL								
3. Nature of Eve	nt: TA set tripped (ha	and tripped) due	to boiler tube leakag	ge at eco	onomizer zone.								
4. Name of First	t Up , Main Protectio (First Up), Turbine Tr	ns & Protection	on which GCB tripp	ed:									
					with five coal c	vcles in service							
5 A) Observations: - On dt. 07/05/2016 at 06.15 hrs, set was on load at 205 MW with five coal cycles in service (E-standby) and no oil support. At 06.30 hrs, boiler tube leakage suspected due to disturbance in boiler													
parameters. Considerable variation observed in feed flow. Drum level found dropped to low level (- 153 mm)													
with sudden increase in DM make-up (>81 TPH). The tube leakage got confirmed in economizer zone by BM-I and													
load started reducing by withdrawing coal cycles-3F (06.40 hrs) & 3D (06.55 hrs), one by one. Set hand tripped at													
07:00 hrs when the load was 80 MW with coal mills-A, B & C in service and no oil support.													
5 R) Remedial A	Action/work done : -												
Primary Failure - Economizer upper bank coil no. 143, tube No.3 found fish mouth opening punctured.													
Secondary failure - Economizer upper bank coil no. 146, tube No.4 found severely eroded.													
Economizer upper bank coil no. 143 & 146 plugged by providing hemispherical spools at economizer intermediate & economizer inlet header. (Total Joints - 04 Nos)													
					5 %								
6. Root Cause Analysis: - Localized and concentrated flue gas erosion might be the root cause of failure of													
tube no.3 of economizer upper bank coil no. 143.													
7. Preventive a	ction suggested (Sho	rt Term) :-		150									
1) Normalization of dummied economizer upper bank coil no. 143 & 146 during forthcoming AOH of Unit-3.													
2) Replacemen	nt of eroded & dummie	ed coils will be c	arried out during fort	thcomin	ng AOH of Unit-	3.							
8. Preventive a	ction suggested (Lon	g Term):-											
5													
9. Similar event occurred last time:-		Unit No # 4, 210 MW		Tim	e: 03:00 Hrs	Date: 11/05/2016							
	B												
Event: T.A. Set	withdrawn to attend l	boiler tube leaka	ge at Economizer zon	1e.	a CTatal 04 No	· · · ·							
Remedial Actio	ons: Economizer upp pools at economizer ir	er bank coil No.	155 & 156 plugged by	y welali ider	ng (10tal 04 No	08.)							
nemispherical s	ation Status of Long	Torm /Short Te	rm measures stated	at Sr N	o 7 & 8 :- The	above corrective							
	ation Status of Long aplemented in Septem			at DI I									
10. Boiler ligh			e - 01:40 Hrs		Date - 08/05	5/2016							
	11. T-A Set Synchronized		Time - 05:53 Hrs		Date - 08/05/2016								
12. Remark :-				1.									
Chief Engineer													
							13. Recommen	dations of Works Se	ction:				
							1. Procure	ment/Replacement	Plan:				
2. Operati	onal Error:					=							
3. Delay in Maintenance:													
4. Delay in bringing back the Unit:													
5. Trainin			,										
	r remedial action is	completed satis	sfactory & point is cl	losed:									
G. T. Methe	C E/Dy C E (Works)												