

BOILER TUBE FAILURE REPORT (C-2 FORM)
(C-2 FORM SHOULD BE SENT WITHIN 12 HOURS OF SYNCHRONISATION)

1) STATION: NTPL	2) UNIT No. I	3) LAST UNIT OUTAGE	May-19	4) LAST UNIT O/H	Oct-19
5) UNIT SHUTDOWN FROM	03 11 19	15 30	9) OUTAGE HOURS	42	00
6) WATER FILLING CLEARANCE	05 11 19	01 30	(ONLY DUE TO BTF)	hh	mm
7) CLEARANCE FOR LIGHTUP	05 11 19	05 30	10) GENERATION LOSS		
(AFTER REPAIR OF BTF)	dd mm yy	hh mm	(ONLY DUE TO BTF)		MUS
8) UNIT SYNCHRONISED AT	5 11 19	9 30			
11) BTF INSPECTED BY	dd mm yy	hh mm			
BTF COMMITTEE HEAD		MTP		FQA	
CHEMISTRY		OPERATION		O&C	

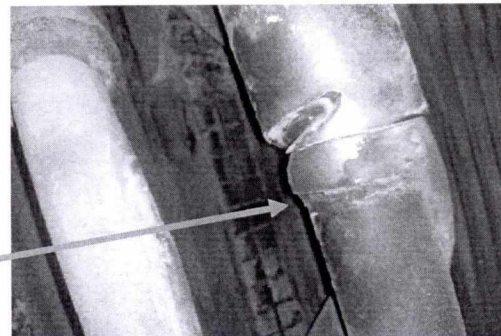
BOILER TUBE FAILURE LOCATION

12) FAILED TUBE LOCATION MARKED ON UNIT MATERIAL DIAGRAM AND BOILER GENERAL ARRANGEMENT DRAWING
(CLEARLY IDENTIFYING TUBE NO., COIL NO., TUBE DIMENSION, TUBE MATERIAL AND X,Y,Z COORDINATES)

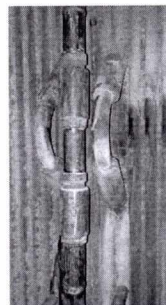
Tube dimension - D63.5x8 mm; SA 213P347H. Tube No. - 1 Divisional Panel Spacer of DNP-1 & 2 from LHS Waterwall

DESCRIPTION OF BOILER FAILED TUBES

13) PHOTOGRAPHS OF LOCATION OF FAILURE BEFORE START OF REPAIR WORK



14) PHOTOGRAPHS OF PRIMARY FAILED TUBE



15) PHOTOGRAPHS OF REPAIRED LOCATION AFTER RESTORATION WORK

16) DETAILS OF REPAIR WORK (SPECIFY JOINT DETAILS, COIL NO./ TUBE NO. & RESTORATION WORK)

AT 59 Mtr Elevation

- 1 Primary reason - Shop Attachment failure of sleeve stopper of 1st Divisional Spacer from LHS Waterwall
- Secondary damage - Pinhole in Spacer guide in front waterwall.
- NO.OF JOINTS - 2 joints & 1 Pinhole

17) DETAILS OF INSPECTION OF ADJACENT AND IDENTICAL LOCATIONS

Physical verification of adjacent water wall tubes and divisional superheater in front waterwall. No problems identified. DPT of the replaced spacer sleeve stoppers done of Spacer and found OK.

18) HISTORY OF WORK IN FAILED TUBE/COIL/LOCATION IN PAST FIVE YEARS

YEAR	HISTORY OF WORK (DETAILS OF WORK DONE IN THE AREA/COIL			NATURE OF FAILURE & WORK
	LOCATION	Tube/Coil No.	No. OF TUBES REPLACED	
	NIL			

19) REMARKS

20) STATION OBSERVATION W.R.T. CAUSE OF TUBE FAILURE

Tentative Root Cause - Shop weld failure of sleeve stopper of 1st Divisional Panel spacer from LHS waterwall DNP 1 & 2.

COPY TO:

- 1) DISPLAY IN UCB
- 2) GM/O&M
- 3) HOD (OS-BOILER)

NAME:
DESIGNATION:
DATE:

(SIGNATURE OF BTF HEAD)

[Signature]
DHM-EMH
5/11/2019