

(C-2 FORM SHOULD BE SENT WITHIN 12 HOURS OF SYNCHRONISATION)

1) STATION:	NTPL	2) UNIT No.	1
5) UNIT SHUTDOWN FROM		14	05 19
6) WATER FILLING CLEARANCE		15	05 19
7) CLEARANCE FOR LIGHTUP		16	05 19
(AFTER REPAIR OF BTF)		dd	mm yy
8) UNIT SYNCHRONISED AT		16	5 19
11) BTF INSPECTED BY		dd	mm yy
BTF COMMITTEE HEAD			
CHEMISTRY			

3) LAST UNIT OUTAGE

18	00
23	45
00	30
hh	mm
11	30
hh	mm

MTP OPERATION

Dec-18

9) OUTAGE HOURS
(ONLY DUE TO BTF)

10) GENERATION LOSS
(ONLY DUE TO BTF)

4) LAST UNIT O/H

30	30
hh	mm

MUS

FQA
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 - D63.5x6.3 mm; SA 210 Gr. C. Tube No. - 28 & 29 from Front Wall on LHS Steam Cooled Wall at 43.5 Mtr Level.

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 43.5 Mtr Elevation

1 Erection pinhole in weld between header and panel in tube number 29 on LHS Steam Cooled Wall from Front Wall
Secondary damage in tube number 28 on LHS steam cooled wall.
NO.OF JOINTS - 4 Numbers of joints

17) DETAILS OF INSPECTION OF ADJACENT AND IDENTICAL LOCATIONS

Physical verification of adjacent steam cooled wall tubes & Economiser hanger tubes to assess damages if any. No damages observed.

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			
	LOCATION	Tube/Coil No.	No. OF TUBES REPLACED	NATURE OF FAILURE & WORK
	NIL			

19) REMARKS

Unit shutdown @ 1800 hrs 14.05.19. BM inspection of 1st pass @ 21:00 to 21:30 hrs 14.05.19. Fans stopped from 20:30 to 21:30 hrs on 14.05.19. Boiler contour drained @ 1130 hrs on 15.05.19. LC issued to BM @ 11:45 on 15.05.19. Work completed including installation of fin bars by 22:30 hrs on 15.05.19. Installation of bellow completed at 23:30 on 15.05.19. Filling clearance at 23:45 on 15.05.19

20) STATION OBSERVATION W.R.T. CAUSE OF TUBE FAILURE
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Root Cause - Pin hole welding in erection joint of tube number 29

COPY TO:

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

(SIGNATURE OF BTF HEAD)

NAME:
DESIGNATION:
DATE: