

## BOILER TUBE FAILURE REPORT ( C-2 FORM )

**C2 FORM NO**   (C-2 FORM SHOULD BE SEND WITHIN 12HOURS OF SYNCHRONISATION)

1)	STATION: <span style="border: 1px solid black; padding: 2px;">T007</span>	2)	UNIT NO. <span style="border: 1px solid black; padding: 2px;">U02</span>	3)	LAST UNIT OUTAGE <span style="border: 1px solid black; padding: 2px;">06-09-2023</span>
5)	UNIT SHUTDOWN FROM <span style="border: 1px solid black; padding: 2px;">16-09-2023</span> <span style="border: 1px solid black; padding: 2px;">16:45:23</span>	4)	LAST Unit O/H <span style="border: 1px solid black; padding: 2px;">01-12-2021</span>		
6)	WATER FILLING CLEARANCE <span style="border: 1px solid black; padding: 2px;">18-09-2023</span> <span style="border: 1px solid black; padding: 2px;">00:00:00</span>	10)	OUTAGE HOURS <span style="border: 1px solid black; padding: 2px;">33</span> in Million Units (ONLY DUE TO BTF)		
7)	CLEARANCE FOR LIGHT-UP (AFTER REPAIR OF BTF) <span style="border: 1px solid black; padding: 2px;">18-09-2023</span> <span style="border: 1px solid black; padding: 2px;">01:30:00</span>	11)	GENERATION CAPACITY <span style="border: 1px solid black; padding: 2px;">500</span>		
8)	UNIT SYNCHRONIZED AT <span style="border: 1px solid black; padding: 2px;">18-09-2023</span> <span style="border: 1px solid black; padding: 2px;">05:30:00</span>	12)	GENERATION LOSS <span style="border: 1px solid black; padding: 2px;">16.5</span> hrs:min:sec (ONLY DUE TO BTF)		
9)	ORDER NUMBER <span style="border: 1px solid black; padding: 2px;">100054721</span>				
13)	CAUSE DETAILS <span style="border: 1px solid black; padding: 2px;"> </span>		14) OBSERVATION <span style="border: 1px solid black; padding: 2px;">PINHOLE PUNCTURE IN CORNER 4</span>		
15)	BTF INSPECTED BY	BTF COMMITTEE HEAD	<span style="border: 1px solid black; padding: 2px;">NO</span>	MTP(Mtce planning)	<span style="border: 1px solid black; padding: 2px;">NO</span>
		CHEMISTRY	<span style="border: 1px solid black; padding: 2px;">NO</span>	OPERATION	<span style="border: 1px solid black; padding: 2px;">NO</span>
				FQA	<span style="border: 1px solid black; padding: 2px;">NO</span>
				O&E	<span style="border: 1px solid black; padding: 2px;">NO</span>

### BOILER TUBE FAILURE LOCATION




16)	<span style="border: 1px solid black; padding: 2px;">CORNER 4 TUBE 3 &amp; 4 NEAR OFA ELEVATION</span>				
	EQUIPMENT NUMBER <span style="border: 1px solid black; padding: 2px;">T007U02BLR00005</span>	EQUIPMENT DESCRIPTION	<span style="border: 1px solid black; padding: 2px;">MANHOLE DOORS</span>		
	LOCATION DETAILS <span style="border: 1px solid black; padding: 2px;">T007-U02-BLR-AUX</span>	LOCATION DESCRIPTION	<span style="border: 1px solid black; padding: 2px;">NTPL UNIT-2 BOILER AUXILLIARY EQU</span>		
	MATERIAL <span style="border: 1px solid black; padding: 2px;">SA 210 GR C</span>	TUBE NUMBER <span style="border: 1px solid black; padding: 2px;">0003</span>	EQUIPMENT HEIGHT (MTS)	<span style="border: 1px solid black; padding: 2px;">036</span>	

### DESCRIPTION OF BOILER FAILED TUBE

(CLEARLY IDENTIFYING TUBE NO, COIL NO,TUBE DIMENSION,TUBE MATERIAL AND X,Y,Z COORDINATES)

17)	<span style="border: 1px solid black; padding: 2px;">Corner 4 Tube 3 &amp; 4 Near OFA Elevation RHS Waterwall.</span>
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### PHOTOGRAPHS

18)	FAILURE BEFORE START OF REPAIR WORK	REPAIRED LOCATION AFTER RESTORATION	PRIMARY FAILED TUBE
			

### DETAILS OF REPAIR WORK ( SPECIFY JOINT DETAILS, COIL NO/ TUBE NO AND RESTORATION WORK)

19)	<span style="border: 1px solid black; padding: 2px;">Pin hole puncture attended by metallising the eroded zone. Protection shield installed in Corner 4 in areas not originally covered by BHEL.</span>
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### DETAILS OF INSPECTION OF ADJACENT AND IDENTICAL LOCATIONS

20)	<span style="border: 1px solid black; padding: 2px;">DPT put in adjacent areas. No defects observed</span>
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### STATION OBSERVATION W.R.T CAUSE OF TUBE FAILURE:

21)	<span style="border: 1px solid black; padding: 2px;">Air based erosion through the gap between the OFA tip and Waterwall is observed. Originally, the area is not covered by protection shield. New protec</span>
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### HISTORY OF WORK IN FAILED TUBE/COIL/LOCATION IN PAST FIVE YEARS

Date	C2 Form Number	Tube No	Height	Material	Cause
		0003	036	SA 210 GR C	

Submitted by <span style="border: 1px solid black; padding: 2px;">PRADEEP SRIKANTH A</span>	Submitted on <span style="border: 1px solid black; padding: 2px;">19-09-2023</span>	Designation <span style="border: 1px solid black; padding: 2px;"> </span>
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DRAWING NO:  
0-00-027-4526



COLLECTION POINT (FEDERAL)				OFFICES (STATE)			
CD	LINE	ALD	CD	ALD	CD	ALD	CD
02	21-06-11	HANCOCK	W-12-01-01	01	10-06-10	W-12-01-01	A-12-01-01

[illegible]