



NLC TAMILNADU POWER LIMITED
DEPARTMENTAL PROCEDURE MANUAL
(ISO 9001:2015, ISO 14001: 2015, ISO 45001: 2018& ISO:50001:2018)
STANDARD OPERATING PROCEDURE

TITLE:- SOP TO EXTINGUISH MILL FIRE

Doc. ID: NTPL/OPRN/SOP-57

Issue Date: 10/02/2022

Revision No.: 0

Revision Date:

PURPOSE: Procedure to Extinguish Mill fire

SCOPE: This SOP is applicable at NTPL

RESPONSIBILITY: Shift Engineer / Operation Engineer

PERFORMANCE CRITERIA:

ACTIVITIES:

Cause of Mill Fire:

1. High content of volatile matter
2. Excessive Mill outlet temperature
3. Excessive accumulation of coal in bowl area or on the mill bottom near air inlet duct

Indication:

Two common indications of a fire in Mill system are:

1. A high or rapidly increasing Mill outlet temperature without other cause
2. Paint peeling from the mill and piping.

Procedure to Extinguish Mill Fire:

If a Fire occurs in a Mill system, following procedure to be followed:

1. Do not stop the mill immediately.
2. As Mill out temp is raising, Hot air gate should close in auto at a temperature > 95 deg.C. If not closed, close it manually.
3. Take feeder control to manual and continue the feeding at a higher feed rate without overloading the mill, until temperature of mill comes down.
4. After reaching normal temperature stop the feeder and close the feeder outlet gate.
5. Continue giving cold air, run the mill for several minutes to completely purge the system until all evidence of fire has disappeared and mill is cold.
6. Stop the mill and isolate for inspection.
7. If even after following the above steps there is no drop in Mill outlet temperature, Stop the feeder, and mill and close cold air gate , mill & feeder Seal air, bunker outlet & coal pipe knife gate near the furnace. In this case inert steam may be used to quench the fire.



NLC TAMILNADU POWER LIMITED
DEPARTMENTAL PROCEDURE MANUAL
(ISO 9001:2015, ISO 14001: 2015, ISO 45001: 2018& ISO:50001:2018)
STANDARD OPERATING PROCEDURE

TITLE:- SOP TO EXTINGUISH MILL FIRE

Doc. ID: NTPL/OPRN/SOP-57

Issue Date: 10/02/2022

Revision No.: 0

Revision Date:

8. Do not open any inspection door until all sign of fire has disappeared and mill is cold.
All personnel working around mill and its associated feeder and fuel piping should be clear.

RECORDS:

Record Title	Record No.	Location	Responsibility	Retention Time

VERIFICATION, CORRECTIVE AND PREVENTIVE ACTION:

HOD shall ensure adequacy and implementation of the above procedure through periodic interaction with department personnel, and regular review and monitoring of the processes and compliances. In case of any observed deviation, corrective and preventive action shall be immediately undertaken.

HOD