



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

**TITLE:- SOP FOR OPERATION OF LIGNITE BLENDED COAL**

**Doc. ID: NTPL/OPRN/SOP-52**

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**Revision Date:**

**PURPOSE:** To define Procedure for Operation of Lignite blended coal

**SCOPE:** This SOP is applicable at NTPL

**RESPONSIBILITY:** Board Engineer/ Shift Engineers

**REFERENCE:** As per normal procedures adopted everywhere.

**ACTIVITIES:**

The following procedures to be followed when lignite blended coal in the range of 1 to 5% is used in the Mills for firing of boiler.

- i) Ensure the mill outlet temperature is always maintained below 60 degree C.
- ii) Maintain minimum PA flow of 90 T/hr at minimum of feeder speed.
- iii) Limit the feeder speed to 58T/HR max.
- iv) Additional bias of 5% was given to the secondary damper of the mill in service to prevent burning near the mouth.
- v) Closely monitor for any coal pipe leak from mill to burner and proper action.
- vi) Ensure bunker floor is devoid of fine dust particles and any accumulation to be reported.
- vii) Ensure the mill/feeder air sealing is isolated when mill is stopped and not in service.
- viii) Ensure the healthiness of the mill fire protection logic (closure of mill hot air gate at (105 degree C)
- ix) Continuously monitor the coal pipe temperature to prevent coal pipe choke.

**To be observed:**

- i) Observe for MS/HRH temperature, SH/RH coil temperatures which is likely to rise and adjust burner tilt accordingly along with attemperation.
- ii) Furnace pressure to be monitored for any fluctuation.
- iii) Observe for flue gas temperature at various locations and any rise to be noted.
- iv) Slag discharge during normal and soot blowing operations to be noted any deviation to be noted.