

	<p align="center"><b>NLC TAMILNADU POWER LIMITED</b>  <b>DEPARTMENTAL PROCEDURE MANUAL</b>  (ISO 9001:2015, ISO 14001: 2015, ISO 45001: 2018&amp; ISO:50001:2018)  <b>STANDARD OPERATING PROCEDURE</b></p>	
<b>TITLE:- SOP FOR Boiler Safety Inspection Before Unit Startup</b>		<b>Doc. ID: NTPL/OPRN/SOP-47</b>
<b>Issue Date: 08-07-2020</b>	<b>Revision No.:</b>	<b>Revision Date:</b>

**PURPOSE:** To define Procedure for Boiler Safety Inspection Before Unit Startup

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

**RESPONSIBILITY:** HOD / Operation, Safety Officer/NTPL, HOD/Boiler Maintenance I & II  
&HOD/Electrical Maintenance

**Reference** : Checklist ID: NTPL/OPRN/Checklist05

#### **ACTIVITIES:**

The following Procedure and Local inspection of the boiler shall be done before Unit startup for safe operation of Unit Light-up

1. All related LC works completed and closed.
2. Boiler Top/Down survey for safe Light-up condition like Boiler Manholes closing, unwanted material, insulation damage/removal, Electrical panel opening, Coal/Ash accumulation.
3. HT/LT switchgear, cable gallery shall be inspected.
4. External Inspection shall be done of Boiler for any Coal accumulation over Coal pipe, Boiler Bunker area, Mill feeder area and Boiler HFO/LDO Fuel Oil control station for any leaks.
5. Furnace Bottom Hopper and slag conveyor area shall be inspected for any unburn fuel and water level.
6. Any Unsafe areas which are potential for accidents.

Joint inspection Report shall be submitted to GM/O&M for Boiler Light up clearance.



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**Boiler Inspection Checklist before Unit Light-up**

Unit#

Date:

	Boiler Inspection Checklist	Remarks
1	All Protection and safety interlocks are in place	
2	All related work permits closed	
3	All Boiler Manholes closed	
4	All insulations are properly fixed	
5	HFO/LDO spillage checked	
6	Coal spillage checked (Furnace + Mills and Coal Feeder)	
7	Unwanted material like insulation, scaffolding, scarp, cotton waste etc. checked	
8	Loose cables and open panels checked	
9	Ash accumulation checked	
10	Any Unsafe area for potential accident	

Declaration:

Safety Inspection Team

1. Safety Officer/NTPL
2. Member/ OS
3. Member/ BM-1 & 2
4. Member/ EM (Cable and Lighting)