	<p align="center"><b>NLC TAMILNADU POWER LIMITED</b>  <b>DEPARTMENTAL PROCEDURE MANUAL</b>  (Incorporating ISO 9001:2015, ISO 14001: 2015, ISO 45001:2018 &amp;  ISO 50001:2018)  <b>STANDARD OPERATING PROCEDURE</b></p>		
TITLE: - SOP - Checking line Vacuum during evacuation time		Doc. ID: NTPL/AHD/SOP-09	
Issue No.: 01	Issue date: 06.11.2018	Revision date: 13.12.2024	Revision No.: 01

## 1.0 PURPOSE:

To describe the procedure for checking line vacuum during evacuation time.

## 2.0 SCOPE:

Checking line vacuum during evacuation time of Ash Handling Division of NTPL.

## 3.0 RESPONSIBILITY:

Operation and Maintenance Engineer.

## 4.0 INPUT:


Defect log from Ash Handling Division Operation Team.

## 5.0 OUTPUT:

Availability of Equipment

## 6.0 ACTIVITIES:

- The PLC operator must inform the maintenance team if the line vacuum drops below 180 mm of Hg.
- Keep the ESP hopper 250NB KGV segregation in the open position for the line to be checked.
- Ensure all 150NB KGV valves in the checking line are in the closed position to isolate the line.
- Inspect all sleeve couplings for any signs of leakage or physical damage. Replace the sleeve coupling immediately if leakage or damage is observed.
- Inspect the pipeline for any cracks or holes. If cracks or holes are found, apply sodium silicate over them to arrest the leakage as a temporary measure.
- Check if the 150NB KGV valve plates are in the fully closed position. If not, rectify the issue either by Back door cleaning or replacing the valve, if required.

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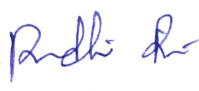

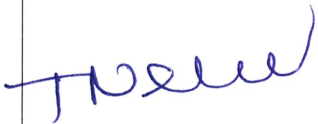
- Ask the PLC operator to monitor the line vacuum for any improvement after corrective actions.
- If the line vacuum becomes okay, inform the operator to take system into service.
- If the line vacuum remains low, repeat the procedure to trace and arrest the additional leakages.
- Ensure the work area is cleaned and all tools and materials are cleared after the work is completed.

#### 7.0 RECORDS:

Record No	Record Title	Location	Responsibility	Retention Time
NTPL/AHD/R-09	Daily Maintenance Log	Site Office	Site In-charge	3years

#### 8.0 VERIFICATION, CORRECTIVE AND PREVENTIVE ACTION:

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

PREPARED BY	REVIEWED BY	APPROVED BY
		
<b>N PRUDHVI RAJ</b> EE-AHS	<b>C S BALASUBRAMANIAN</b> CM-AHS	<b>T NEDUMARAN</b> DGM-AHS