	<p align="center">NLC TAMILNADU POWER LIMITED DEPARTMENTAL PROCEDURE MANUAL (Incorporating ISO 9001:2015, ISO 14001: 2015, ISO 45001:2018 & ISO 50001:2018) STANDARD OPERATING PROCEDURE</p>		
TITLE: - SOP for Increasing VP Shutoff During Running Time		Doc. ID: NTPL/AHD/SOP-14	
Issue No.: 01	Issue date: 06.11.2018	Revision date: 13.12.2024	Revision No.: 01

1.0 PURPOSE:

To describe the procedure for Increasing Vacuum Pump Shutoff Pressure
While the System is in operation.

2.0 SCOPE:

Increasing the vacuum pump shutoff pressure during operation in 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:

- PLC operator must inform the shift In-charge if the shutoff pressure is low.
- If both shutoff values (master and slave) are low, master and slave shutoff value to be checked.
- Check for any leakage in ESP all hopper valves, vertical line sleeve coupling and pipeline.
- If leakage or damage is found, it will be repair or replaced.
- For temporary leakage arrest, apply sodium silicate to cracks and holes.
- Check both ash inlet and vacuum inlet valves for any leakage. If leakage is found, take appropriate steps to arrest the leakage.
- After that, ask the PLC operator if there is any improvement in shutoff pressure.
- If shutoff pressure is okay, then LC to be returned or else procedure to be repeated to trace and arrest the leakages.

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- If shutoff pressure is still not above 450 mm of Hg, check the vacuum pump for failure or malfunction.
- Finally, inform the operator to take the system into service.
- After work completed, working area should be kept clean.

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
		
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