	<p align="center">NLC TAMILNADU POWER LIMITED</p> <p align="center">DEPARTMENTAL PROCEDURE MANUAL</p> <p align="center">(Incorporating ISO 9001:2015, ISO 14001: 2015, ISO 45001:2018 & ISO 50001:2018)</p> <p align="center">STANDARD OPERATING PROCEDURE</p>		
TITLE: - SOP – Replacement of 150NB KGV		Doc. ID: NTPL/AHD/SOP-05	
Issue No.: 01	Issue date: 06.11.2018	Revision date: 13.12.2024	Revision No.: 01

1.0 PURPOSE:

To describe the standard procedure for removing and replacing the 150NB Knife Gate Valve (KGV) bellow ESP hopper.

2.0 SCOPE:

The replacement of the 150NB Knife Gate Valve below ESP hopper 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:

- Check the evacuation line to ensure all hoppers are emptied.
- LC (Line Clearance) must be applied by the Shift In-charge and inform to the PLC operator.
- Close the manual gate valve and the instrument air valve.
- Check the bolt tightness of the manual gate valve at the ESP hopper adapter.
- After removing 150NB KGV, clean the inlet & outlet cone adaptor.
- Install the inlet cone adaptor onto the new or serviced 150NB KGV.
- Mount the new/serviced 150NB KGV in position and tighten all bolts securely.
- Ensure the straightness of the ACI Y-bend while tightening the 150NB sleeve coupling bolts.
- Then open the manual gate valve and instrument air valve.

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- The valve open/close operation must be checked manually to ensure proper functionality.
- Return the LC and inform the PLC operator that the system is ready.
- Perform a trial run and return the system to normal service.

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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