



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 CONDENSER CHARGING

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PURPOSE: To Charge condenser during first CWP start.

SCOPE: During CWP starting during start up.

RESPONSIBILITY: Board Engineers / Shift Engineer/ Operation Service.

OBJECTIVE: To charge condenser water boxes in a gradual manner so as to avoid pressure surges leading to failure of FRP sealing between inlet and outlet water boxes during initial starting of CWP.

SCHEME PREPARATION

1. Keep the Condenser inlet valves CW 1 & 2 and the outlet valves CW 7 & 8 about 20% open condition before starting of the first CWP.
2. Keep closed all the condenser water box drains and keep the vents in open condition.

PROCEDURE:

1. After ensuring the scheme ready, Start the first CWP and open its discharge valve.
2. After thorough air release, close all the water box vents.
3. Then open the CW 1&2 valves fully.
4. Now open the outlet valves CW 7&8 further, if necessary, for charging up to the NDCT.

RECORDS:

Record Title	Record No.	Location	Responsibility	Retention Time

VERIFICATION, CORRECTIVE AND PREVENTIVE ACTION:

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

HOD