



**NLC TAMILNADU POWER LIMITED**  
**DEPARTMENTAL PROCEDURE MANUAL**  
(Incorporating ISO 9001:2015, ISO 14001: 2015 & ISO 45001: 2018)  
**STANDARD OPERATING PROCEDURE**

**TITLE:- SOP FOR MOT FILTER OPERATION**

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**PURPOSE:** To define MOT duplex filter local operation

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

**RESPONSIBILITY:** Shift Engineer / Operation Engineer

**PERFORMANCE CRITERIA:**

**ACTIVITIES:**

**Charging & Taking the Reserve Filter into service:**

- Close the drain valves and keep the air vent of the reserve filter open.
- Open the charging line valve and allow sufficient time (say 15 minutes) for charging.
- Full charging of the reserve filter can be ensured by sensing the temperature rise of the filter body and air vent line by hand.
- Very slowly move the changeover lever, from the running filter towards the reserve filter position taking utmost care that lube oil pressure after filters is not buckling.
- Watch the improvement in L.O. pressure after filter, once the changeover is complete.
- Close the air vent. Note down the choke % of the running filter.

**Releasing the Choked Filter to TM for Cleaning:**

- Close the charging line valve and Open the air vent for the choked filter.
- Ensure Centrifuge is running. Open the drain valves of the choked filter to Centrifuge suction.
- Issue L.C. for cleaning the filter element of the choked duplex filter.

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