



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

**TITLE:- SOP FOR HOTWELL MAKEUP TEST PROCEDURE**

**Doc. ID: NTPL/OPRN/SOP-31**

**Revision:02**

**Date:25/10/2022**

**PURPOSE:** To define Procedure for Hotwell Makeup test

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

**RESPONSIBILITY:** Shift Engineer / Operation Engineer

**PERFORMANCE CRITERIA:**

**ACTIVITIES:**

**Hotwell makeup test: Pre-conditions to be followed-**

1. All types of blowdown should be stopped and blowdown valve to be isolated.
2. No Wall lower/ LRSB/ RAPH sootblower should be running and S-148 to be isolated.
3. Test to be performed with constant schedule and stable load for atleast 1 hour.
4. Fill Hotwell to +150 to 180 mmwc to perform test.
5. After filling hotwell, isolate hotwell makeup station.
6. Once Hotwell makeup station isolate fully, start the test and note down 1)Load, 2)Hotwell level(3Txr), 3) Dea Level(3 Txr), every 15 min for 1 hour.
7. Deaerator Level to be maintained **constant** during the test duration.
8. Once test completes, Normalize Hotwell makeup station.
9. Following Hotwell dimensions to be used for calculating volume of makeup  
Makeup (T/Hr):  $13.108(\text{length}) \times 8.62(\text{width}) \times \text{Drop in Hotwell}(\text{Meter})$

PREPARED BY	REVIEWED BY	VERIFIED BY	APPROVED BY
S.GANAPATHY ACM/O&S	S.RADHAKRISHNAN NAIR DGM – O&S, Safety	S.GANAPATHI GM – O&M	K.KONDASKUMAR CEO

**HOD**