

# CENTRAL POWER RESEARCH INSTITUTE



**CPRI**

## TEST REPORT

**Test Report Number** : CPRI BLREATDMISC25T0165 **Date:** 15 May 2025

**Name and Address of the Customer** : M/s. RICHTECH GEARS PVT. LTD.,  
T-235 SIDCO Women Industrial Estate,  
Kattur Village, Thirumullaivoyal,  
Chennai-6000 062

**Name and Address of the Manufacturer** : M/s. RICHTECH GEARS PVT. LTD.,  
T-235 SIDCO Women Industrial Estate,  
Kattur Village, Thirumullaivoyal,  
Chennai-6000 062

**Particulars of sample tested** : RG-320 MANUAL GEAR UNIT  
**Type** : Outdoor  
**Description of test sample** : RG-320 MANUAL GEAR UNIT, Gear ratio 68:1, Output Torque 3198N-m  
**Serial Number** : 191-24-25  
**Number of samples tested** : One

**Date(s) of Test(s)** : 26 March 2025 & 27 March 2025

**CPRI Sample code Number(s).** : EATDMISC25S0103  
**Particulars of tests conducted** : IP 68 Category 2 Test- Without Vacuum  
**Test in accordance with Standard/Specification** : As per customer requirement

**Sampling Plan** : Not Applicable  
**Customer's Requirement** : Test Procedure (IP 68 Category 2 test-Without Vacuum), Verification for the ingress of dust and water is to carry out after IP 68 category 2 test, as the top cover plate is completely sealed with sealant gasket, which is not openable often.

**Deviations if any** : Nil

**Name of the witnessing persons**  
**Customers representative** : Mr. K.Muralidharan, Design Engineer  
**Other than customer's representatives** : None  
**Test subcontracted with address of the laboratory** : None

**Documents constituting this report (in words)**  
**Number of Sheets** : Four  
**Number of Oscillogram(s)** : Nil  
**Number of Graph(s)** : Nil  
**Number of Photograph(s)** : Six  
**Number of Test Circuit Diagram(s)** : Nil  
**Number of Drawing(s)** : One

  
(D. Venkatesh)  
Test Engineer



  
(Dr. P. Chandra Sekhar)  
Group Head  
Reviewed and Authorized by