

# CENTRAL POWER RESEARCH INSTITUTE



## TEST REPORT

**Test Report Number** : CPRIBLREATDMISC25T0167 **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 Type** : RG-790-S5/S6-S SERIES MANUAL GEAR UNIT  
: Outdoor

**Description of test sample** : RG-790-S5/S6-S SERIES MANUAL GEAR UNIT, Gear ratio 190:1,  
Output Torque 7900 N-m

**Serial Number** : 40-24-25

**Number of samples tested** : One

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

**CPRI Sample code Number(s).** : EATDMISC25S0101

**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