

CENTRAL POWER RESEARCH INSTITUTE



CPRI

TEST REPORT

Test Report Number : CPRI BLEATDMISC25T0166 **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-610-S3/S5-S SERIES MANUAL GEAR UNIT
Type : Outdoor
Description of test sample : RG-610-S3/S5-S SERIES MANUAL GEAR UNIT, Gear ratio 150:1,
Output Torque 6082 N-m

Serial Number : 110-24-25
Number of samples tested : One

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

CPRI Sample code Number(s). : EATDMISC25S0102
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