

**GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
RESEARCH AND DEVELOPMENT ORGANISATION
DIRECTORATE OF AERONAUTICS**

TYPE APPROVAL No : 283

ISSUED TO : NATIONAL PHYSICAL LABORATORY
HILLSIDE ROAD
NEW DELHI-110012.

FOR : CARBON PILES FOR VOLTAGE REGULATOR
(RT/RN-180-SHR-14A) II SERIES FOR AN-12
AIRCRAFT

CO-ORDINATED BY : RCMA (KANPUR)

This is to certify that the carbon piles part No. RT11/ SU-15/1 and RT11/SU-15/2 developed by National Physical Laboratory have satisfactorily completed tests in accordance with requirements laid down by Directorate of Aeronautics (R&D) and have been found suitable for use in voltage regulator (RT/RN-180-SHR-14)II series for AN-12 a/c subject to limitations detailed in the type record placed at Appendix to this letter.


2. BASIS FOR APPROVAL :-

- i) Satisfactory conformity of carbon piles to drawing dimensions.
 - ii) Satisfactory completion of Evaluation test in accordance with the test schedule laid down by the Chief Resident Engineer(Kanpur), Directorate of Aeronautics (R&D).
3. The approval serial No. quoted above must be reflected in all relevant drawings, contracts and release notes.
4. This approval is contingent upon the quality control aspects of bulk production being cleared by DTD&P (Air), Ministry of Defence, New Delhi.
5. This approval is valid initially for three years from the date of issue and will have to be renewed subsequently.
6. Prior agreement of this Directorate will have to be obtained if this approval is to be transferred to any other agency or if changes within the Type Record enclosed are effected.

Encl : Type Record

No. : AERO(RD-125)/140/27

Date : 13 Jul. 1979


(VIVEK R SINHA)
Director of Aeronautics