

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

TYPE APPROVAL No : 393

ISSUED TO : M/s MAHINDRA UGINE STEEL CO. LTD.
KHOPOLI, DIST. KOLABA
MAHARASHTRA, PIN CODE-410203

FOR : CARBON STRUCTURAL STEEL RODS GRADE (I)
C-45 HOT ROLLED AND ANNEALED AS A
SUBSTITUTE TO USSR GRADE STEEL RODS C-45

CO-ORDINATED BY : RCMA (NASIK)

This is to certify that the indigenous Carbon Structural Steel Rods Hot rolled and Annealed Grade (I) C-45 designed and developed by M/s Mahindra Ugine steel Co. Ltd, has been tested as per schedule drawn by Directorate of Aeronautics and found suitable as a substitute to USSR Grade steel rods C-45, for manufacture of machined components of aircraft parts.

2. **BASIS FOR TYPE APPROVAL :**

Satisfactory conformity to test schedule No.DIS-QL-76-016 and the test results placed at appendix 'A'.

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 Directorate of Aeronautics 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 : Appendix 'A'

No. : AERO/RD-132/106/3

Date : 16 Dec. 1982


Aie Cmde.

(S.C.GUPTA)
Director of Aeronautics