

**GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
RESEARCH AND DEVELOPMENT ORGANISATION
DIRECTORATE OF AERONAUTICS(R&D)**

TYPE APPROVAL No : 670

ISSUED TO : M/s FIRTH (INDIA) STEEL CO. LTD
40, M.T.D.C.
NAGPUR - 440 028

FOR : 25CD4S ALLOY STEEL BARS

CO-ORDINATED BY : CRE (F & F), BANGALORE

This is to certify that the Alloy Steel Bars (Forging stock) designed and developed by M/s INDIAN ALUMINIUM COMPANY LIMITED, ALUPURAM, KERALA equivalent to FRENCH MATERIAL AU2GN in association with M/s HINDUSTAN AERONAUTICS LIMITED (FOUNDRY & FORGE DIVISION) has satisfactorily met the requirements as per the test schedule No. TS-038 dated 16.2.91 approved by Directorate of Aeronautics (R&D) and found suitable for use as forging stock for the manufacture of aircraft components. The summary of the type test results is placed at the Appendix. limitations detailed in Type Record:-

2. The type approval Sl. No. quoted above must be reflected on relevant drawings, contracts and release notes.
3. This approval is contingent upon the quality control aspects of bulk production being cleared by DTD&P (Air), Ministry of Defence, New Delhi.
4. This approval is valid initially for three years from the date of issue and will have to be reapproved in case there are any changes in processing technology.
5. 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 : 30th Nov. 1992



(K. SRINIVASA)
Director of Aeronautics