

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

TYPE APPROVAL No : 589

ISSUED TO : M/s.HAL KORAPUT DIVISION
SUNABEDA(ORISSA)

FOR : STEEL FORGINGS Pt.No.76-5555-971,
75-4906-05 AND E7-4910-01

CO-ORDINATED BY : RCMA(KORAPUT)

This is to certify that Steel Forgings Pt.No.76-5555-971, 75-4906-01 manufactured by M/s.HAL, Koraput Division, Sunabeda meet all requirements laid down by CRE(Engines), Directorate of Aeronautics (R&D), Ministry of Defence, Sunabeda vide test schedule No.RTO/ENG/KPT/10-8-4 dated 27.4.84 and 22.5.85. The forgings are approved for application on R11F/R-25 and R29B series engines in lieu of USSR forgings.

Basis for Type Approval

2. Satisfactory compliance of all technical requirements laid down in Appendices I & II.
3. This type approval is contingent upon the Quality Control aspects of bulk production being cleared by DTD&P(Air).
4. The Type Approval is valid as long as consistency of quality in series production is maintained. In case of any deficiency repeat Type Approval as called for by Dte of Aeronautics has to be fulfilled.
5. The Type Approval number must be quoted in all relevant documents.
6. Prior agreement of Directorate of Aeronautics (R&D) will be essential if the Type Approval is transferred to other agencies or if any changes in appendices or in the Type Record are to be effected.

Encl : Appendix-' I & II '

No. : AERO/RD-132/117/6/2

Date : 14 Feb 1990


(K.SRINIVASA)
Director of Aeronautics