

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

TYPE APPROVAL No : 614

ISSUED TO : M/s. MISHRA DHATU NIGAM LTD
KANCHAN BAGH, P.O. HYDERABAD-500 058

FOR : 12% CHROMIUM RESISTANT MARTENSITIC
STAINLESS STEEL : AE 961W

CO-ORDINATED BY : CRE (MATERIALS)

This is to certify that AE 961W, 12% Chromium, Corrosion resistant martensitic stainless steel developed by M/s. Mishra Dhatu Nigam Ltd., Hyderabad in collaboration with M/s. Licensintorg, USSR vide Memorandum No.7311/078401 dated 21 Jan 1984. It has met all the test requirement laid down/stipulated by RTO(M) Directorate of Aeronautics. The components manufactured from AE 961W may, however, require separate testing based on their functional requirements/end use.

2. This approval is contingent upon :

- i) Composition and source of supply of raw materials being as per the Annexure II A & B and processing parameters as detailed in Annexure IV A to J of type test record vide report No. MDN/AMD/TA/007 dated 26 Dec 1990.
- ii) Batches from series production conforming to the requirements laid down in respective Soviet material specifications.
- iii) Quality Control aspects of bulk production being cleared by DTD&P(Air), Ministry of Defence, New Delhi.
- iv) Compliance of a repeat Type Approval tests should be carried out as called for by the Directorate of Aeronautics whenever sufficient reasons warrant.

3. This type approval is valid so long as consistency of quality in series production is maintained.

4. 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 are effected.

No. : AERO/RD-132/117/6/2
Date : 13 May 1991


(K. SRINIVASA)
Director of Aeronautics