

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

**TYPE APPROVAL No. : 626**

**ISSUED TO** : M/S MISHRA DHATU NIGAM LIMITED,  
KANCHAN BAGH, P.O, HYDERABAD-500 058

**FOR** : **18% Cr - 10% NI TITANIUM STABILISED  
AUSTENITIC STAINLESS STEEL : 12 X18H10T**

**CO-ORDINATED BY** : **RCMA ( MATERIALS, HYDERABAD)**

This is to certify that 12X18H10T, 18% Cr - 10% Ni Titanium stabilised austenitic Stainless Steel designed and developed by M/s Mishra Dhatu Nigam Limited, Hyderabad in collaboration with M/s Licensintorg, USSR, vide Memorandum No. 7311/078401, dated 21st Jan 1984. It has met all the test requirements laid down stipulated by RTO(M), Dte. of Aeronautics. The components manufactured from 12X18H10T may, however, required 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 Annexure-II and processing parameters as detailed in Annexures IVA to K of type test record vide report No. MDN/AMD/TA/011. dated 15.4.91.
- ii) Batches from series production conforming to the requirmenets 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. The type approval is valid so long as consistency of quality in series production is maintained.

4. Prior approval of this Directorate has to be obtained if this type approval or production process is to be transferred to any other agency or if any changes in annexures or in type records are to be effected.

Encl : Appendix 'A'

No. : AERO/RD-132/117/6/3

Date : 26 Aug.. 1991



(K. SRINIVASA)

Director of Aeronautics