

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

TYPE APPROVAL No : 495

ISSUED TO : M/s MISHRA DHATU NIGAM LIMITED.,
KANCHANBAGH P.O.,
HYDERABAD - 500258

FOR : NICKEL BASE HEAT RESISTANT ALLOY
SUPERNI 75 (BILLET & BARS)

CO-ORDINATED BY : RCMA (NASIK)

This is to certify that the above mentioned material developed and manufactured by M/s Mishra Dhatu Nigam Ltd., Hyderabad, has been tested according to the test schedule No. CRE/REP/1068 dated 27 Sep 1980 laid down by the Directorate of Aeronautics (R&D) and has been found suitable for aircraft use in place of AE 435 (Soviet), Nimonic 75/HR 5 (British) and NC20T (French) materials.

2. The approval serial number quoted above must be reflected on all 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. The composition, source of supply of raw materials, ramming mass, prefused slag for electroslag refining, process for vacuum induction melting, electroslag refining, forging, hot rolling of bars and batches from service production shall conform to the detailed requirements as stated in MIDHANI Report No. MDN/AMD/TA/001 dated 9 Nov 84.
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 Records are effected.


(S.C. GUPTA)

No. : AERO/RD-132/117/6/2
Date : 13 Sep. 1985

Air Cmde.
Director of Aeronautics