

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

**TYPE APPROVAL No : 645**

**ISSUED TO** : HAL, KORAPUT DIVISION, SUNABEDA-2  
**FOR** : **INDIGENOUS GLUE K-300-61(i)**  
**CO-ORDINATED** : RCMA (KORAPUT)

This is to certify that indigenous glue K-300-61(i) designed & developed by HAL Koraput Division from indigenous ingredients has been tested for its properties and functional test as per the Test Schedule No. TS/040-89, issued by RTO (Koraput), Directorate of Aeronautics vide RTO/ENG/KPT/10-81-1 dated 27.9.89. The use of above glue is hereby approved in lieu of GLUE K-300-61 of USSR origin in the interface of non-return valve and gear inner groove of oil units assembly of R-25 engine.

2. The basis of Type approval are:-

- i) Satisfactory conformity of ingredients and mechanical properties to Test specification TS-293/89.
- ii) Satisfactory completion of 50 hours rig testing.
- iii) Satisfactory field performance.

3. The Type approval is contingent upon the quality control aspects of bulk production being cleared by DTD&P(Air), Ministry of Defence.


4. Compliance of a repeat Type Approval tests should be carried out as called for by the Directorate of Aeronautics whenever sufficient reasons warrant.

5. The type approval number quoted above must be reflected on all the relevant drawings, contracts and release notes.

6. The Type approval is valid so long as consistency of the quality series production is maintained.

7. Prior agreement of Directorate of Aeronautics (R&D) 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.

No. : AERO/RD-132/117/6/3  
Date : 15th Nov. 1991

  
(K. SRINIVASA)  
Director of Aeronautics