

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

TYPE APPROVAL No. : 102

ISSUED TO : DEFENCE RESEARCH LABORATORY (MATERIALS)
KANPUR - 4.

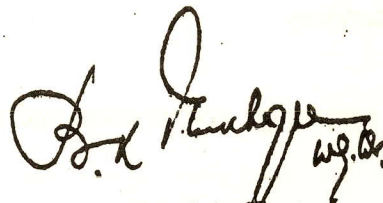
FOR : **WATER DETECTING DEVICE "JALSUCHAK-MK-II"**

CO-ORDINATED BY : CRE (KANPUR)

This is to certify that the Water Detecting Device Mk-II (Jalsuchak) developed by DRL (M) Kanpur has undergone the field evaluation tests satisfactorily at various stations of Indian Air Force and has been found suitable for detecting the contamination aviation turbine fuel with water by 30 ppm or above.

2. Defence Research Laboratory (Materials), Kanpur is approved to manufacture Jalsuchak for use in the services.
3. The percentage composition and the process details of Jalsuchak will be as per the sealed particulars.
4. The storage life of the above said store in packed condition when stored under normal moisture/humid atmospheric conditions, is 6 months.
5. The store will be inspected against the percentage composition as mentioned in para 3 above.
6. The type approval number quoted must be reflected on all relevant entries of release note.
7. The type approval is valid subject to the condition that the quality control of batch production is enforced by C.I.M., Kanpur/DTD&P(Air) on the basis indicated below :-
 - (a) Random sample of one percent of each batch production shall be subjected to chemical analysis for the satisfactory compliance of the percentage composition specified vide para 3.

- (b) Random samples of one percent of each batch production shall be subjected to satisfactory compliance of the functional tests.
8. Prior agreement of Directorate of Aeronautics(R&D) will have to be obtained if there is any change either in percentage composition or any other parameter.
9. The composition declared by DRL(M) Kanpur for the store will not be changed without the concurrence of the Directorate of Aeronautics.
10. Prior consent of this Directorate will have to be obtained if this type approval is to be transferred to any other agency.
11. Non-compliance of any one or all of the above said stipulations will automatically make the store of unapproved category.



Wg Cdr

(B. K. MUKHERJEE)

Dy. Director of Aeronautics

No. : AERO/RD-132/151/4

Date : 22 Nov 1973