

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

**TYPE APPROVAL No : 110**

**ISSUED TO** : M/s PIONEER RUBBER MILLS (BOMBAY) PRIVATE LTD.,  
BHANDUP  
BOMBAY - 78.

**FOR** : RUBBER HOSE WITH O.D. OF 11 MM AND  
I.D. OF 4 MM REPLACING DURITE  
HOSE FOR AIRCRAFT USE

**CO-ORDINATED BY** : D AERO

This is to certify that the above mentioned rubber hose manufactured by M/s. Pioneer Rubber Mills (Bombay) Pvt. Ltd., has been tested as per the test schedule drawn-up by the Directorate of Aeronautics (R&D), New Delhi and has been found satisfactory.

2. The future supplies of the store by the firm have to comply with the following characteristics as given in Annexure 'A' to this type approval letter.

3. M/s Pioneer Rubber Mills (Bombay) Pvt. Ltd., are hereby approved to manufacture and supply the above store for Aeronautical purpose.

4. The shelf life of the hose is of four years when stored as per the Aeronautical standard practice but subsequent inspection including pressure test is to be carried out every 2 years.

5. The store will be inspected against the standards laid down in the specification by DTD&P (Air)/AIS. Air Force.

6. The type approval is valid subject to the condition that the quality control of batch production is enforced by the manufacturer on the basis indicated below :-

"Random sample of one percent of each batch production shall be subjected to satisfactory compliance of the pressure test as indicated in characteristics of Hose at serial No. 11"

7. This approval is valid initially for a period of 3 years from the date of issue and has to be renewed subsequently.

8. Prior permission of Directorate of Aeronautics(R&D) will have to be obtained if there is any deviation from the laid down specification.

Encl : Annexure 'A'  
No. : AERO/RD-132/142/1  
Date : 26 March 1974.

*S. S. Marwaha*  
Wg Cdr  
(S. S. MARWAHA)  
Deputy Director of Aeronautics (R&D)