

**Guidelines for System of Approval of Manufactures/Importers/Suppliers  
of Flameproof Electrical Equipments/Apparatus  
for use in Hazardous Areas**

DGFASLI is the approving authority for granting approvals to the manufacturers/importers/suppliers of flameproof electrical equipments/apparatus being used in hazardous area in the Factories registered under the Factories Act, 1948. The hazardous area classification should be as per IS 5572:2009.

The purpose of approval is to ensure compliances of requirements of the corresponding IS Standards/Codes of Practice for safe use of electrical equipments/apparatus in explosive atmosphere/ hazardous area.

**The procedure for granting approvals is as under:**

**(A) FRESH APPROVAL**

1. The Original Equipment Manufacturers should apply online through the website of DGFASLI at [www.dgfasli.nic.in](http://www.dgfasli.nic.in) on the dashboard.
2. Flameproof Electrical Equipments/Apparatus has to be got tested by Government approved testing laboratory as per the relevant Indian Standards.
3. The following documents shall be uploaded along with the application for obtaining approval by the manufacturer:
  - i. Profile of the manufacturer and list of its Directors/Partners/Proprietor (as the case may be).
  - ii. Copy of test report of Equipments/Apparatus tested by Government approved testing laboratory duly signed by the applicant. The test certificate should have been issued within a period of 3 months as on date of the application.
  - iii. Copy of drawing(s) of equipment/apparatus certified by the Government approved testing laboratory and duly signed by the applicant.
  - iv. Copy of the Chemical composition analysis report, of light alloy metal used, such as LM4, LM6, carried out in a Government approved testing laboratory. The chemical analysis report shall be of the material used for the prototype and the copy of the same shall be duly signed by the applicant.
  - v. Details of the testing facilities available in the factory for testing of the final product.
  - vi. Details of equipments and machinery provided for quality assurance.
  - vii. Schedule of calibration of quality control and testing equipments.
  - viii. For gas Group II C Equipments/Apparatus the details of the users including address and telephone number, to whom the product is being supplied shall be furnished.

- ix. For Supplementary /Addendum approval, in addition to the requirements at Sl. No. 3. i. to 3. viii. copies of DGFASLI approval letters issued earlier shall be submitted.
4. On submission of the application the same will be examined by DGFASLI one month from the date of application. If any deficiency is found in the application leading to non-compliance the same will be intimated to the applicant. The applicant has to fulfill the deficiency for compliance and resubmit the application.
5. If all the compliances are met the applicant manufacturer will be informed and accordingly physical inspection will be conducted within one month by an inspection team which may comprise of one official each from DGFASLI & DISH of respective State and one technical expert member recommended by respective CIFs or as recommended by DG, DGFASLI.
6. Based on the recommendation of the inspection team, the Director General, DGFASLI shall approve/reject the proposal. The same will be intimated to the applicant manufacturer.
7. A copy of the valid BIS license duly attested by the applicant
8. The approval will be valid for a maximum period of five years from the date of issue of approval, after which it shall require revalidation.

**(B) Approval of Electrical Equipment/Apparatus for use in Hazardous Area manufactured and tested abroad and to be used in India**

1. Other procedures will be same as in (A) above, except point 3 of (A) i.e. documents to be submitted/uploaded.
2. The following documents shall be submitted/uploaded by the manufacturer/importer/supplier along with the application for obtaining approval:
  - i. Details of the specifications complying/at par with the corresponding Indian Standards Specification or any acceptable international standards like IEC, EN, BS, UL, CSA, ANZ codes. Certificate from BIS indicating equivalent Indian Standards against the standards quoted for the specification.
  - ii. Certificate of verification from National Testing and Certifying Authority and its accreditation by the Government authorities in the country of manufacture.
  - iii. Design drawing and certificate of verification for special conditions of installation.
  - iv. Test Report/ Approval Report of the equipment and its associated components.
  - v. Certificate of verification of Listing Documents of the main as well as associated equipment and accreditation of the Listing Authority by the Government Authorities in the country of manufacture.
  - vi. List of existing user Industries.
  - vii. Details of Organisation and Indian representative who will be entrusted with the job of After Sales Service and Maintenance of the equipment.

### **(C) PROCEDURE FOR REVALIDATION OF APPROVAL**

1. The manufacturer shall submit online through the website of DGFASLI at [www.dgfasli.nic.in](http://www.dgfasli.nic.in) the proposal for revalidation at least three months before the expiry of the original approval along with the following documents:-
  - i. The list of user, along with their address and telephone numbers, to whom the equipment have been supplied during the period of validity of approval;
  - ii. Certificate (on the letter head) duly signed by the applicant that the equipment has / have not undergone any change in its design during the period of initial approval and that the equipment has / have been manufactured strictly in accordance with the drawing certified by the testing laboratory and is/ are identical with the one tested and certified by the Government approved Testing Laboratory.
  - iii. A copy of the valid BIS licence duly attested by the applicant.
  - iv. Copy/ Copies of the earlier approval(s) including permissible variations, issued by DGFASLI, duly signed by the applicant.
2. Further revalidation of approval of such equipment after five years (i.e. 10 years from the first approval) shall be issued after re-testing of the said equipment by the Government Approved Testing Laboratory. On completion of 10 years (i.e. initial approval of 5 years and revalidation of approval of 5 years) the procedure for approval shall be same as given in (A) above.

### **(D) OTHER IMPORTANT INFORMATION**

1. The DGFASLI approval number and date must be inscribed in the nameplate of the equipment
2. Approval may be reviewed or amended, if considered necessary by the DGFASLI.
3. Any violation / deviation observed in any manner shall result in revocation of the approval issued.
4. Field performance report from users of the Gas Group IIC equipment shall be furnished to the DGFASLI for verification and record.
5. Officials of DISH/CIF may visit the manufacturing unit as and when considered necessary. The copy of the observations/ suggestion, if any shall be submitted to DGFASLI.
6. The arrangements for travel, lodging and boarding of members of inspection team shall be required to be made by the applicant manufacturer.