

**INFORMATION FOR UNFIRED PRESSURE VESSEL DESIGN APPROVAL  
(IMPORT)**

**Internal Diameter (inches) x Design Pressure (psig) ≤ 3000psig-inches**

**ANNOUNCEMENT**

- i. Any incomplete application will be rejected. Incomplete application includes the submission without letter of application, design drawing, design calculation or Manufacturer Data Report.

**NEW APPLICATION**

1. Application letter shall be issued by **supplier, importer, consultant** or **owner**. The letter shall be using the letterhead of the applicant and addressed to the Director General.
  - i. Please indicate the location of hydrostatic test in Malaysia and location of the installation unfired pressure vessel in the application letter.
2. Documents that shall be attached when submitting the application are as follows:
  - i. **Design drawing shall be furnished with minimum information as shown in the example of Design Drawing (Appendix)** and includes:
    - a. Main dimensions.
    - b. Welding details.
    - c. Service of nozzles & orientation of nozzles.
    - d. Details of material specifications.
    - e. Design data such as design pressure, design temperature, working pressure, working temperature, test pressure, design code, working media, volume, corrosion allowance, welding factor, flange rating and etc.
    - f. Detail drawings of any components and welding including reference or configuration must be noted on the drawing.
    - g. Location of main safety features such as pressure gauge and safety valve.
    - h. Other useful information, if needed.

Design drawing shall be certified by the manufacturer.

- ii. **Design calculation** or analysis (FEA) shall be calculated in accordance with one of the latest version of the recognized design code by the Department and certified by the manufacturer.
- iii. **Manufacturer Data Report** including information on the material used, test and inspection reports and certified by the manufacturer.
- iv. Documents submitted shall be in **Malay or English Language**. Any translations made shall be done by the manufacturer, recognized Inspecting Authority by the Department or recognized translation Institution.

- v. For further information, please refer to Factories and Machinery (Steam Boiler and Unfired Pressure Vessel) Regulations, 1970 and Factories and Machinery Act, 1967.

Notes :

- a. Design, fabrication, examination and testing activities for the pressure vessel must be accordance to the latest and recognized design code by the Department.