

Technical Standards related to LPG Industry (As per Appendix-I of LPG Rules, 2001)

1.1 STORAGE AND CYLINDER FILLING PLANTS

- 1.1.1 Health and Safety Executive 34: The storage of LPG at fixed installation.
- 1.1.2 Code of Practice 12 prepared by Liquefied Petroleum Gas Industry Technical Association, UK, (LPGITA) Recommendations for the safe filling of LPG cylinders at depots.
- 1.1.3 NFPA 58, 1998 Edition: Standard for the storage and handling of LPG.
- 1.1.3a NFPA 58, 1998 Edition, NFPA 58, 2014 Edition: standard for the storage and handling of LPG.
- 1.1.3 b DOT special permit as per NFPA-58, 2014 Edition, ISO 11119-3:2013 Part 3, EN 14427:2014, relevant manufacturing standards of LPG composite cylinders.
- 1.1.4 Code of Practice 14 prepared by LPGITA Hoses for transfer of LPG in bulk installation, inspection, testing and maintenance.
- 1.1.5 Guidance Note CS-4 from the Health and Safety Executive, UK, the keeping of LPG in cylinder and similar containers.
- 1.1.6 Extracts from US Government, Code of Federal Regulations, "Title 49 – Transportation, part 178 to 199 Revised as of 1 October, 1988", Dot specifications 4B, 4BA and 4BW relating to welded steel cylinders.
- 1.1.7 (a) Code of Practice 15: Valves for LPG cylinders:
Part 1 – Safety Valves.

(b) Code of Practice 15: Valves for LPG cylinders.
Part 2: Outlets valves for butane cylinder-quick coupling type.
- 1.1.8 BS 3016: 1989, BSS for pressure regulators and automatic changeover devices for LPG.
- 1.1.9 BS 4089: 1989, BSS for Hoses and hose assemblies for LPG.
- 1.1.10 BS 3212: 1975, BSS for Flexible rubber tubing and hose (including connections where fitted and safety recommendations) for use in LPG 1 vapour phase and LPG/air installations.
- 1.1.11 BS 5430: Part 2, 1990, BSS for periodic inspection, testing and maintenance of transportable gas containers (excluding dissolved acetylene containers).

1.2 DISTRIBUTION AND RETAIL OUTLETS

- 1.2.1 Code of Practice 2 prepared by LPGITA for safe handling and transport of LPG in bulk by road, including section 3.1.6, 3.1.7, 3.1.8 and 3.1.10.

1.3 TRANSPORTATION AND DISTRIBUTION NETWORK

- 1.3.1 Code of Practice 14 prepared by LPGITA: Hoses for transfer of LPG in bulk installation, installation, inspection, testing and maintenance.

1.4 LPG USERS

- 1.4.1 BS 5482: Part 1: 1979, Code of Practice for domestic butane and propane-gas-burning installations.
- 1.4.2 Extracts from US Government, Code of Federal Regulations: "Title 49 – Transportation, Part 178 to 199 Revised as of 1 October 1988", DOT Specifications 4B, 4BA and 4BW relating to welded steel cylinders.
- 1.4.3 DOT special permit as per NFPA-58, 2014 Edition, ISO 11119-3:2013 Part 3, EN 14427:2014, relevant manufacturing standards of LPG composite cylinders

1.5 LPG IMPORT TERMINAL

- 1.5.1 NFPA 58, 1998 Edition: Standard for the storage and handling of LPG.

1.6 LPG SPECIFICATIONS

- 1.6.1 GPA Standard 2140=90, LPG Specifications and Test methods.

1.7 LPG CONVERSION KITS (Under process for notification)

1.8 LPG DISPENSERS

- 1.8.1 prEN 14678: Standard for LPG equipment and accessories - Construction and performance of LPG equipment for automotive filling stations - Dispensers or equivalent.
