FMS.32 The hospital ensures proper maintenance of the medical gas system.

FMS.32.1 The medical gas system is regularly tested for:

- FMS.32.1.1 Pressure.
- FMS.32.1.2 Leaks.
- FMS.32.1.3 Functionality of valves, alarms, pressure gauge, and switches.

FMS.32.2 There is a policy and procedure that ensures effective use of medical gas system. Areas covered include, but are not limited to, the following:

- FMS.32.2.1 The procedures to follow for taking any part of the system offline.
- FMS.32.2.2 Commissioning and testing new branching or modifications.
- FMS.32.2.3 The procedure for ordering and filling liquid oxygen.
- FMS.32.2.4 Documenting all repairs/alterations/tests/filling logs/consumption.

FMS.32.3 Compressed medical air is regularly tested for humidity and purity.

FMS.32.4 The central medical gas station is in a safe and secure place.

FMS.32.5 The outlets of medical gases in patient care areas are clearly marked with the type of gas and have different connections according to the gas type.

FMS.32.6 All medical gas pipes are clearly marked and labeled for the contents and direction of gas flow.

FMS.32.7 In case of gas pipe repairs or new extensions, outlets are tested for the type of gas to ensure the correct type is delivered through the new pipe. Results of testing are recorded and maintained with engineering and the unit manager.

FMS.32.8 The hospital keeps standby oxygen and medical air cylinders enough for forty-eight hours of average consumption.

FMS.32.9 The gas cylinders are regularly tested for gas type, amount, and any leaks.

FMS.32.10 Emergency shut off valves are available in all units and are clearly marked with areas/rooms affected.

FMS.32.11 The hospital dedicates the responsibility of the closure of shut off valves to well-trained individual(s) available in the unit concerned.

FMS.32.12 The hospital has adequate medical gases outlets in the patient care areas as appropriate and these outlets are to be error proof medical gas outlets-preferred to be in accordance with DIN standards related to gases piping, outlets and valves.

Standard Intent:

Medical gas systems are a standard feature of most healthcare facilities, and they require special monitoring and maintenance to ensure they are operating properly. Unlike other medical equipment and systems, their use of gas under pressure makes