

Government of Maharashtra
Directorate of Industrial Safety and Health

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Subject: Safety guidelines for LPG bottling factories and Petroleum Depot

Introduction:

In the current situation of Covid-19 lockdown, the inspection of all the factories may not be possible by this directorate. Hence all such type of factories are hereby directed to follow the following safety measures in addition to the provisions of The Factories Act, 1948 and The Maharashtra Factories Rules, 1963.

The given guide lines are not exhaustive in nature; any additional precaution as may be necessary based on specific requirement should be adopted by the factory management for safe manufacturing operation of the factory based on the nature of manufacturing activity

A. Safety guidelines for LPG bottling factories

1. At first – Only officers / staff trained and experienced in handling LPG leakages & fire emergencies shall be called on duty. Officers / workers other than those stated above shall not be called for preparatory work to restart factory.
2. On-site emergency plan shall be kept activated.
3. Fire-fighting system / sprinkler system provided in factory shall be checked for its proper & efficient functioning. It shall be kept in ready condition.
4. Also all required personal protective equipments shall be kept ready in working condition.
5. It shall be ensured by competent person that all safety systems provided in factory such as sensors / detectors, safety interlocks, flame arrestors, pressure gauges, temperature gauges, vents & other accessories are in proper working conditions.
6. Earthing provided to LPG storage vessels, its pipelines shall be examined for its effectiveness and if required, shall be repaired immediately.
7. Grass grown in LPG storage yard / area shall be removed & area shall be cleaned from debris. Tools of non-sparking materials shall be used for this purpose.

8. All valves provided on LPG storage vessels, LPG carrying pipelines shall be examined for their proper functioning before taken in to use.
9. All flame-proof & other electrical installations shall be checked for damage and proper functioning shall be ensured before taken in to use.
10. All provisions of Rule 73-C of MFR 1963 for safety measures where equipment or pipeline containing inflammable materials are operated, shall be strictly complied.
11. LPG handling system shall be examined by competent person for blockages & such blockages shall be removed by taking proper safety precautions.
12. All safety precautions suggested by manufacturers of installed machinery & other accessories shall be strictly followed.
13. SOP and checklist of above guidelines shall be prepared & followed strictly.
14. If required, any additional safety precautions shall be adopted for safety of workers.

B. Safety guidelines for restart of Petroleum Depot

1. At first – Only officers / staff trained and experienced in handling petroleum leakages and Fire emergencies shall be called on duty. Officers / workers other than those stated above shall not be called for preparatory work to restart factory.
2. On-site emergency plan shall be kept activated.
3. Fire-fighting systems / sprinkler systems provided in factory shall be checked for its proper & efficient functioning. It shall be kept in ready condition.
4. Also all required personal protective equipments shall be kept ready in working condition.
5. It shall be ensured by competent person that all safety systems provided in factory such as sensors / detectors, safety interlocks, flame arrestors, pressure gauges, temperature gauges, vents & other accessories are in proper working conditions.
6. Earthing provided to petroleum storage vessels, its pipelines shall be examined for its effectiveness and if required, shall be repaired immediately.
7. Grass grown in petroleum storage yard / area shall be removed & area shall be cleaned from debris. Tools of non-sparking materials shall be used for this purpose.
8. All valves provided on petroleum storage vessels, petroleum carrying pipelines shall be examined for their proper functioning before taken in to use.
9. All flame-proof & other electrical installations shall be checked for damage and proper functioning shall be ensured before taken in to use.

10. All provisions of Rule 73-C of MFR 1963 for safety measures where equipment or pipeline containing inflammable materials are operated, shall be strictly complied.
11. Petroleum products handling system shall be examined by competent person for blockages & such blockages shall be removed by taking proper safety precautions.
12. All safety precautions suggested by manufacturers of installed machinery & other accessories shall be strictly followed.
13. SOP and checklist of above guidelines shall be prepared & followed strictly.
14. If required, any additional safety precautions shall be adopted for safety of workers.

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