

Codified Fire Safety Requirements For Use of
“PIPED NATURAL GAS (PNG)”

It is responsibility of owner/occupier to comply following codified requirements before actual commencement of the trade activities. Asstt. Commissioner shall ensure that trade activity is commenced only after all approvals (i.e. issuance of compliance certificate from this department and trade license).

1. The entrance, exit, passage shall be kept free from any obstruction.
2. A separate rear/side exit shall be provided for kitchen.
3. Rear side exit of the premise shall be kept open during the working hours.
4. A clear passage of at least one meter width shall be kept from entrance of the trade premises to the exit/rear wall of kitchen.
5. The entire electric wiring shall be laid as per prevailing Electricity Act & Rules & the compliance certificate to that effect from Govt. Approved electrician / agency shall be submitted along with the application.
6. The distance between gas piping & electrical wiring in case of non-concealed system shall be at least 60 mm & where necessary; they shall be securely fixed to prevent contact due to movement. The gas piping should run above the electrical wiring.
7. No combustible storage of any kind shall be done within the radius of one meter from any electric wiring and/or electric installations.
8. No other fuel such as kerosene, diesel oil, coke, firewood, L.P.G. etc. shall be permitted on the premises. However electrical appliances & tandoor Bhatti may be permitted. There shall be segregation in between burners & tandoor bhatti with a siporex wall or brick masonry wall of 22.5 cms thickness or Cement concrete wall of 10 cms. thickness with minimum height of 1.5 metre.
9. Flooring in the premises shall be maintained free from spillages. Wastages shall be collected in the metal bin with lid and disposed off daily. Good house-keeping shall be maintained on the premises with proper ventilation.
10. No loft or mezzanine floor shall be constructed unless prior approval from competent authorities.
11. If loft is approved, there shall be no kitchen room below the loft and loft shall only be used for storage purpose.
12. If mezzanine floor is approved, there shall be no kitchen room below mezzanine as well as on the mezzanine floor. The staircase landing of mezzanine shall be towards the entrance of the premises/away from kitchen.
13. The authenticity of the existing loft/mezzanine floor shall be verified by A.E. (B&F) & report of the same shall be produced at the time of inspection for Compliance certificate, failing to which compliance certificate will not be issued.
14. The preparation of the food shall be carried out in the preparation area only and the locations of the burners shall be as shown in attached plan.
15. The natural gas shall be piped in the preparation area and to the burners of ISI standard restricted to “___numbers” (Number of burners will be finalized with due inspection on site by the compliance officer) as per plan and same shall be installed

on a non-combustible type raised platform/cooking range/apparatus. Burners shall be provided independent shut off valve.

16. All the installations for P.N. Gas supply pipeline with burners and other accessories shall be as per the norms of M/s Mahanagar Gas Limited Company or any Govt. approved supplier. The natural gas installation shall be laid as per details shown in attached plan from M/s M.G.L.
17. The isolation valve near the entrance gate on the public road shall be provided and the location shall be shown on the attached plan by M/s. Mahanagar Gas Ltd.
18. The shut off valve of the M.R.S. shall be easily accessible and shall be clearly marked as such in English and Marathi language.
19. The M.R.S. Cabin shall be provided with ventilation at the ground level and also at the roof level, so as to vent out the natural gas easily in case of leakage.
20. On the M.R.S. Cabin, the following instructions shall be inscribed in English and Marathi languages.
 1. DANGER, FLAMMABLE GAS.
 2. EMERGENCY TELEPHONE Nos.
 3. MAHANAGAR GAS LTD.,
 4. MUMBAI FIRE BRIDGE No.101 OR 23085991 - 2 - 3 - 4
 5. NO SMOKING OR SPARKS OR NAKED FLAME WITHIN RADIUS OF 1.5 METERS FROM PNG PIPE LINE.
21. The shut off valve at the P.R.S. shall also be easily accessible, and shall be marked as indicating the direction of opening as well as closing.
22. The steel pipeline shall not be laid across or below the steam pipeline. However, the Natural Gas pipeline may be laid above the steam pipeline or electrical lines in parallel to the same. It shall be protected from any source of heat or flame directly.
23. Nothing shall be stored or kept within one meter radius of the natural gas pipeline.
24. No combustible storage of any kind shall be done within the radius of one meter from any electric wiring and/or electric installations.
25. The shut off valve shall be easily accessible and shall be conspicuously visible, so as to enable anyone to operate the same without any difficulty in the event of an emergency.
26. Only authorized personnel should be allowed to have access to the M.R.S./ P.R.S. which should be kept under lock and key.
27. Applicant will submit self-certification with undertaking on stamp paper Rs.100/- stating that PNG installation is tested & are in good working condition
28. '**NO SMOKING**', exit, emergency exit and way to exit' board shall be displayed conspicuously on the premises.
29. No change shall be made in the approved layout without prior permission of competent authorities.
30. Heat , hot gases and smoke shall be disposed off in safe manner
31. Day to day requirements of ancillary commodities shall be kept on premises.
32. P.N.Gas detector (as approved by The Petroleum & Explosive Safety Organisation- PESO) shall be installed as per IS/IEC-60079-20 near gas installation so as to give alarm for P.N.G. leakage
33. Following fire extinguishers bearing IS specification Mark shall be provided in the Kitchen area.

- a. ----- Nos. of water type (A Class) Fire extinguishers of 9 litre capacity and One Dry Chemical Powder (ABC type) fire extinguisher of 9 kg capacity shall be provided in the kitchen.
- b. ----- Nos. of Dry Chemical Powder (ABC type) fire extinguisher of 9 kg capacity & Two Sand Buckets filled with dry and clean sand shall be kept near M.R.S. cabin. (The quantity/capacity will be finalized with due inspection on site by the compliance officer depending upon the type of structure, trade area & other hazard)
34. The emergency telephone nos. of fire brigade control room shall be displayed on the premises (101, 23076111, 23085991/2/3/4.).
35. All the staff shall be trained about the hazardous properties of the natural gas, safety aspects and the procedures to be followed in the event of any emergency and shall be trained in the use of portable fire extinguishers.
36. Owner/Occupier must appoint Fire Marshal / Fire warden /fire safety officer from amongst his employees who is acquainted with evacuation procedure. He should have designated uniform such as fluorescent jacket / Arm band, cap & badge easily identifiable by citizen/users. He should also possess a whistle to alert customers/guest in case of emergency. Owner/Occupier must ensure that Fire Marshal / Fire warden /fire safety officer is present all the time during working hours. His name/s & contact details must be submitted to this department.
37. Staff shall be well acquainted with fire-fighting equipment.
38. Luminous 'Fire Exit', 'Way to exit' sign shall be provided at suitable locations showing the direction of each exit.
39. The trade license, compliance certificate from C.F.O.'s dept., consumer number along with name of the distributor/ company supplying the P.N. Gas and details of the agency maintaining gas installation shall be kept available on the premises all the time.
40. Lay-out plan showing details about entry, exit, gas burners, pipe line, location of staircases (if applicable) etc., shall be displayed at the prominent place on the premises.
41. The compliance of the Fire safety measures/ requirements which is mandatory from fire safety point of view, shall indemnify and in case of default, the user is liable for prosecution.
42. Evacuation plan shall be displayed conspicuously at the prominent location.
43. At any time premises shall not be overcrowded beyond occupant load certified by Architect.

Safety Precautions:

A. In case of leakage of Gas:

1. Close the main valve.
2. Ventilate the premises by opening all the doors, windows.
3. Do not operate (ON or OFF) any electrical switch. Let it be as it is.
4. Avoid any ignition source such as any naked flame, lighting match stick, gas lighter, any type of spark. Put out the any lighted flame in close vicinity.
5. Evacuate the premises.
6. If you cannot stop the leakage, inform Fire Brigade and M.G.L.

B. In case of fire at supply pipe / tube:

1. Inform Fire Brigade immediately and evacuate the premises as early as possible.
2. Till Fire Brigade arrives try to close the Gas supply by turning off the main valve.
3. Do not put out the flame until you shut off the main valve (supply of the gas).
4. Once the gas supply is shut off, try to put out the flame by smothering with wet cloth, bucket of water or using fire extinguisher.

Above mentioned fire safety measures have been stipulated irrespective of ascertaining area authenticity. However same shall be checked & verified by the concerned authority of MCGM.

All the premises who comply all fire safety norms/ recommendations are requested to put up board at prominent location at the entry in English and Marathi stating that "This premises is fire safety compliant" and "हा परिसर अग्नि सुरक्षिततेच्या दृष्टीने परिपूर्ण आहे."

Note:-

1. These remarks are offered from fire risk point of view only, without prejudice to legal matters pending in the court of law, if any & are valid subject to necessary permission/clearance under section 394/390 of M.M.C. Act and other permissions by concerned ward authorities, Environment Authority, etc. as per rules applicable, are obtained from concerned departments/authority. Also the authenticity & status of the structure including loft/mezzanine floor if any & complete area of the premises shall be verified by Ward Authorities, before issuing permissions for commencement of the said activity.
2. Any additional fire safety requirements if necessary, will be suggested by Inspecting officer after inspection, depending upon the type of structure, trade area & other hazard, etc..
3. Fire Brigade dept. reserves the right to change/alter/add/delete the terms and condition of these fire safety remarks as per the situation permits with prior intimation to the occupier.