

**Government of Andhra Pradesh
A.P. State Disaster Response and Fire Services Department**

Provisional Fire No Objection Certificate

FileNo: ----/---/MSB/2024

Date:DD/MM/2024

Sir/Madam,

Sub: Andhra Pradesh State Disaster Response and Fire Services Department - Issue of Provisional No Objection Certificate to the proposed construction of Residential Building of ----- - Regarding.

Ref: Online Application Dt: DD-MM-2024.

You are hereby issued Provisional NOC for building subject to the following reasonable fire prevention and safety methods.

1) The building:

A Residential building with Cellar + Stilt +Ground + 09 Upper floors

2) Root causes of Fire:

- (a) Electrical Short Circuit.
- (b) Kitchen with Gas Cylinders.

3) Therefore, the following prevention precautionary measures are recommended.

i) Ensure Electrical Safety:

- a) Install MCBs (Miniature Circuit Breakers)
- b) Proper grounding and lightening protection.
- c) Install Co₂/clean agent flooding system in all electrical panels.

ii) Ensure Kitchen Safety:

- a) Piped LPG.
- b) Flameless cooking or electrical cooking.
- c) Smoke Exhaust Fans shall be provided.
- d) Periodic checking of LPG pipes and stoves by authorized Mechanic.

iii) Ensure Exits:

Minimum two Staircases widely separated from each other for all floors.

4) Firefighting Tools:

These tools to be useful to the occupants of the building during “**Golden Hour**” to put off initial fires without any training, before the fire engines arrives.

The following be made available at easily accessible, visible, marked locations at all floors.

a) Co₂ Extinguishers:

- 4.5 Kg Co₂ Fire Extinguishers are to be provided for every 200 Sqm in every floor in clearly marked, visible and accessible location.

b) Water Availability:

- 5 HP Plunger pumps with wheels are to be provided in each floor, connected to gravity water pipeline properly put in a visible, marked and in an accessible box. These pumps to be energized by normal electrical power and emergency power backup.
- 5 HP plunger pumps with wheels are to be provided in parking floor.
- No dedicated fire tank is required. Domestic Overhead tank can be used for both Fire Fighting & domestic usage purpose by letting fire pipe outlet @ bottom and normal water use pipeline @ middle to ensure minimum water availability for fire fighting.

5) Ensure Cellar Fire Safety:

- a) Keep DCP 50 Kg Trolley @ one per cellar to handle any fires in cellars as the sale of EV Vehicles are getting increased in the market and water is not the right medium to put off EV vehicle fires.
- b) **Utility corridor** with CPVC water pipeline having tapping points be run along the periphery of the building and in cellars so as to meet any emergency and to refill fire engines with 8 HP mobile pumps.
- c) Ventilation system for smoke exhaust to be provided as per the standards
- d) Smoke extraction and mechanical ventilation to be provided.
- e) Compartmentation of parking is at the rate of 3000 Sq.Mtrs.

6) How the above fire safety design is helpful in case of Fire accident?

In case of any fire accident, “**evacuate safely through staircases**” giving priority to old, ladies and disabled people.

- a. In case of fire, there will be alarm (manual/Automatic) in all parts of the building. The Occupants can run/walk to nearby Staircases @ every floor and can safely evacuate.
- b. The origin of fire in Residential buildings is mostly due to electrical short circuits and the preventive measure such as MCBs on each floor will prevent such fires from happening in the first place.
- c. In case of fire, the Co₂ Extinguisher will be used to extinguish the fire. And those available in the floor may also be utilized.
- d. The pressure water can be used to put off initial fire during “**Golden Hour**” using ISI certified 5 HP pumps which are reliable, easy to maintain and affordable. These pumps can be easily handled by any staff/workers without any special training.

Therefore, this building meets the “**reasonable fire safety criteria**” and hence the provisional NOC is issued.

- 7) As a Policy, no retrospective application of rules shall be made for building as long as they comply with that NOC requirements till the life of the building.

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- 8) If you experience any undue hardship or practical difficulty in implementing any of the above suggested requirements, please don't hesitate to meet in person without appointment (9441236448), as ensuring fire safety with better and affordable technology is a continuous learning and collaborative endeavor.

Yours Sincerely,

Director General
State Disaster Response and Fire Services,
Andhra Pradesh, Vijayawada

To
The Management of -----
Copy to the Commissioner, Greater Visakhapatnam Municipal Corporation, Visakhapatnam.