

20

Provisional Fire Clearance

(Maximum Height)

825

Letter No. 20/2013
OFFICE OF THE STATE FIRE OFFICER-CUM-DIRECTOR, BIHAR, PATNA

From.

Rattanmani Nandoo,
State Fire Officer,
Bihar, Patna.

To.

Fr. Shafiqul Islam,
Emp. No. FR 19/16,
Boring Canal Road,
Near Devi Asthan, Anandpuri, Patna-1.

Sub :-

The views regarding proposed fully residential building of about 15 mtr. (1500 Sqmtr.) to be constructed at Mauza- Moharrampur, Dist- Patna.

Sir.

Please refer to your letter no. nil., dt. - 16/02/2013 through which details of the plan has been sent to us for examination, which was examined by the Fire Service Officer.

During examination of the plan it was found that a B-G-6 (Floor - 3/F) (Area - 1500 Sqmtr.), fully residential building, shall be constructed on 90 feet wide road belongs to Sri Arjun Kumar Gupta, S/O- Sri Lakhi Prasad & others, on having Plot no.- 1346, 1462, 69, 57, Khata nos- 143, 158, Holding no.- 687, 2561, Ward no.-3/11 at Mauza - Moharrampur, Dist- Patna.

We clear the plan after giving following advice suggestions / recommendations based on NBC guideline, local building by laws & the local circumstances which must be followed by the concerned Architect / Developer / Land owner as the case may be.

i) Construction :

- The whole construction of the proposed building shall be carried out as per approved plan drawing conforming the relevant building rules of local Municipal Corporation as per Building Bye laws Bihar, 2014.
- The floor area exceeds 750 m² shall be suitably compartmented by separation walls up to ceiling level having at least two hours Fire resisting capacity.
- The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- Provision of ventilation at the crown of the central core-duct of the building shall be provided.
- Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

ii) Open Space & Approach :

- The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliance with turning facility 3.60 m/s (minimum).
- The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 20 M.T.
- The width and height of the access gates into the premises shall not be less than 4.5 M and 5M respecting abutting the road.

iii) Stair Case :-

- The Staircase of the building shall be enclosed type. Entire construction shall be made of brick / R.C.C. type having Fire resisting capacity not less than 4 hours respectively marked in the plan.
- The Staircase of the building shall have permanent vents at the top equal to 5% of the cross sectional area of the staircase enclosures and openable sashes at each floor level equal to 15% of the said cross section are shall have to be provided in the external wall of the building.
- All the Staircase of the building shall be negotiable to each other in each floor without entering into any room and shall be extended up to respective terrace. The roof of the Stair wall shall be 1M above the surrounding roof area.
- The width of the Staircases and corridor and travel distance of different categories of occupancies shall have to conform the relevant building rules.
- In case of two staircase, one must be on outer wall.
- Both staircase are not well down to basement floor, for approach to basement, there should be another staircase for approach.

For UNIVERSAL GREEN HEIGHTS !!!

Dr. M. K. ...

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(iv) LIFT :-

- a) The walls of the lift shaft shall be of the same type respectively marked in the plan drawing.
- b) The lift of the building shall be designed as indicated marked in the plan.
- c) In case of failure of normal electric supply, an alternate supply shall be provided. The arrangement shall be such that the lift does not stop in the shaft in case of power failure. It comes down in the ground floor open.
- d) Arrangements shall be provided for automatic incorporation of smoke venting system designed to remove smoke from the lift shaft. The design of Fire and shall be of such design as to ensure the safety of the lift in case of failure of normal electric supply.
- e) All other requirements shall conform the I.S. specifications for design of lift in a multi-story building.
- v) That the basement shall be equipped with automatic sprinkler system and shall have two separate exits.
- vi) That active fire protection system such as down corner system, stand pipe and hose reel at each floor incorporated with 900 LPM pump at Terrace level. Fire extinguishers as per I.S. 2190 1992 & relevant specification, F.R. boxes, manual call alarm points, Fire safety luminescent sign & other fire precautionary measures as mentioned in NBC be provided before occupancy.
- vii) That an underground water static tank of not less than 5,000 Litrs capacity with automatic refilling arrangements preferably on front side where fire fire fighting vehicles can reach easily & overhead water static tank of not less than 1,00,000 Litrs capacity should be made available before occupancy.
- viii) That the internal finishing shall be non-combustible or class - 0 surface spread of flame.
- ix) That electric cables must be shield at each floor with intumescent coating.
- x) That Fire exit drill be carried out regularly at least twice in a year after occupation.
- xi) That the building must be constructed on at least 40 feet wide road and the responsibility of the concerned Architect to be ensure the road width because he is the responsible party.
- xii) That AMC should be given to a qualified firm or person for the maintenance of above recommended Fire equipments.
- xiii) That the setback shall be checked by the Architect. Passing authority as per the established rule. If any thing wrong, the Architect. Passing authority shall be held responsible.
- xiv) It is hereby made clear that in case of any legal dispute arising in future, in which above recommendations have not been complied, the responsibility will fall entirely upon the Developers/ Architect/ Landowner as the case may be and not on the recommending Govt. authority (i.e. the office of the State Fire Office, Bihar)
- xv) It is hereby made also clear that this office (i.e. the office of the State Fire Officer-cum-Director, Bihar, Patna) is not responsible for any legal dispute of the land upon which the proposed building shall be constructed.

This shall be treated as provisional. On compliance of all the above Fire and Life Safety recommendations, this office shall be approached for necessary inspection and testing of the installation, Final in favor of the occupancy shall be issued on being satisfied with the tests and performances of safety aspects of installation of the building.

N.B. - Any deviation and changes the nature of use of the building in respect of the approved plan drawing without obtaining prior permission from this office, this provisional will be treated as cancelled.

The maps are being returned with sign and stamp.

Encl - As Above

For UNIVERSAL GREEN HEIGHTS
 Anup M. A. ed
 Designated Partner

Yours faithfully
 State Fire Office
 Bihar, Patna.
 14/11/18