Provisional fire clearance above 15 meters height

Letter No 813 / Muzaffarpur 2016

OFFICE OF THE FIRE STATION OFFICER, MUZAFFARPUR

From,

Sunil Kumar Gupta
Fire Station Officer
Muzaffarpur

Dated:- 8/11/2016

To,

Unibera Group Ltd. & Sri Sanjay Kumar Singh, Jamadar Singh Chock, Ramdayalu Nagar, Hajipur Road, Muzaffarpur (Bihar).

Sub:- The views regarding proposed B+G+4 (2 Floor Commercial, 3 Floor Residential) Building Below 15 Mtrs in height to be constructed in Main Road Hajipur, Muzaffarpur,

Sir,

Please refer to your Letter No Nill Dt. 31/10/2016 through which this aforesaid plan has been seen to us for examination which was examined.

During Examination it was found that B+G+4 (2 Floor Commercial & 3 Floor Residential) building shall be constructed on 110 ft. wide road belongs to Shree Sanjay Kumar Singh (Sanjay Rana) Unibera Group Ltd. Plot No.-36, Khata No-125, Mauja ward No-31, Thana No-342, P.S.-Sadar, Anchal-Musahari, Dist-Muzaffarpur (Bihar)

We clear the plan after given following advice/suggestions/recommendations of the following Fire precautionary measures based on N.B.C. guideline and the local circumstances and local building by laws which must be followed by the concerned architect/Developer/Land owner.

1) **Construction**
   a) 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 by laws Bihar 2014.
   b) The Interior Finish Decoration of the building shall be made low flame spread materials conforming I.S. specification.
   c) Provision of ventilation at the crown of the central core-duct of the building shall be provided.
   d) Arrangement shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.
   e) The Floor area exceeds 750m^2 shall be suitably compartmented by separation wall up to ceiling level having at least two hrs Fire resisting capacity.

2) **Open space & Approach.**
   a) The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and manoeuvrability of Fire appliance with turning facility.
   b) The approach roads shall be sufficiently strong to with stand the load of Fire engine weighting up to 20 M.T.
   c) The width and height of the access gates into the premises shall not less than 4.5 m. respecting abutting the road.

3) **Stair Case.**
   a) 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 4 hours respectively marked in the plan.
   b) The staircase of the building shall have permanent vents at the top equal to 5% of the cross sectional area of the staircase enclosure 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.
   c) 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 above the surrounding roof area.

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d) The width of Staircases and corridor and travel distance of different categories shall have to conform the relevant building rules.

4) **Lift**

a) The wall of the lift enclosure of the building shall be at least two hours Fire resisting type respectively marked in the plan with the event at top of area not less than 0.2 sq. mt.

b) The Lift of the building shall be designed at high speed "Fire Lift" and conspicuously indicated marked in the plan.

c) In case of failure of normal electric supply it shall automatically trip over to alternate supply. For apartment house these changeover of supply could be done through operated change over switch. Alternatively, the lift shall be so wired that in case power failure, it comes down at the ground level land come to stand still with door open.

d) Arrangement shall be provided for extraction of all the lift shaft by incorporation smoke venting system designed to permit 30 air changes per hour in case of Fire and shall be of such design as to operate on actuation of sprinkler or Fire Alarm. In case failure normal electric supply. At shall automatically trip to alternate supply.

e) All other requirements shall conform the I.S. specification including the communication facility in the Lift car connecting with the Fire Control Room of the building.

5) That entire building be equipped with automatic alarm system & sprinkler's installation.

6) That an underground static water tank of not less than 50,000 liters. Capacity with automatic refilling arrangement preferably on front side where Fire Brigade vehicles can reach easily & overhead water static tank of not less than 20,000 liters capacity provided for the fire fighting before occupancy.

7) That active fire Protection system such as wet cum down comer system with landing valve and house reel at each floor in corporate with 900LPM pump at terrace level, ISI marked fire extinguishers as per IS 2190/1992, F.R. cheek door, manual call alarm point Fire safety luminescent sign & other Fire precautionary measures as mentioned in NBC be provide before occupancy.

8) That electric cables must be shield at each floor with intumescent coating.

9) That the internal finishing shall be non-combustible or class-1 surface spread of flame.

10) That AMC should be given qualified firm or person for the maintenance of above recommended Fire equipments.

11) That fire exit drill be carried out regularly at least twice in a year after occupation.

12) That the building must be construed on 40 feet wide road because Architect is the passing authority & it is his responsibility not the fire service.

13) That the basement should be equipped with automatic sprinkler's installation and must have two separate exits if the area of basement is more than $200m^2$.

14) That the refuse are of $15m^2$ above 8^{th} floor be made available as per NBC norms.

15) That the set back shall be cheeked by the architect passing authority as per the established rule. If anything wrong, the architect/Passing authority shall be held responsibility.

16) It is hereby made clear that uncase of any legal dispute arising in future, in which above recommendations have not been complied, the responsibility will fall entirely upon the Developers/Architect/Land owner.

17) It is hereby made also clear that this office (Fire station office) Muzaffarpur 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 favour of the occupancy shall be issued on being satisfied with the tests and Performances of safety aspects of installation of the building.

N.B.C 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 return with sign & stamp.

Encl-As above

Yours faithfully

8/11/2016

(Sunil Kumar Gupta)
FIRE STATION OFFICER
MUZAFFARPUR