(above 15 mts. height)

Letter no. 657

OFFICE OF THE FIRE OFFICER

From,

Fire Officer,
k.b Patna. Bihar

To

M. Manjoor Alam,
Certified Architect,
Patna

Patna, dated 28/12/14

Sub: **The views regarding proposed fully residential building of above 15m. height to be constructed in mauza Nousha Dist. Patna.**

Sir,

Please refer to your letter no. Nill, ded 16.12.2014 with aforesaid plan has been sent to us for examination, which has been technically examined by me. In view of relevant clause of the building bye laws which state that it must be cleared by the local Fire authority
During examination, it was found that a Block- A (G+6), Block- B (G+4) fully Residential building, shall be constructed on 40 feet wide road belong to M/S/ A One Builders & Developers through Director- Mr.Md. Abid Seraj through Director on Plot no. – 437, Thana no. – 38, Khata no. – 185, Mauza –Nosha, Thana- Phulwari, Sharif, Dist. – Patna.

We suggest the following fire precautionary measures based on N.B.C guideline and the local circumstances under power vested to us in govt. gazette.

i) **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.**
- b) **The floor area exceeds 750sqmt shall be suitably compartmented by a separation wall up the ceiling level having at least two hours fire resisting capacity.**
- c) **The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.**
- d) **Provision of ventilation at the crown of the central core duct of the building shall be provided.**
- e) **Arrangement shall have to be made for sealing all the vertical ducts by the material of adequate Fire resisting capacity.**

ii) **Open space and approach :-**
- d) **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.**
- e) **The approach roads shall be sufficiently strong to withstand the load of fire engine weighting up to 20 M.T.**
- f) **The width and the height of the access gate into the premises shall not be less than 4.5m. and 5m. respecting abutting the road.**

iii) **Stair case:-**
- e) **The stair case 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.**
- f) **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 open able sashes at each floor level equal to 15% of the said cross section are shall have to be provided in the external wall of building .**
- g) **All the staircases 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.**
- h) **The width of staircases and corridor and travel distance of different categories of occupancies shall have to conform the relevant building rules.**

iv) **Lift :-**
- f) **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 sqmt.**
- g) **The lift of the building shall be designed at high speed Fire lift and conspicuously indicated marked in the plan .**
- h) **In case of failure of normal electric supply it shall automatically trip over to alternate supply. For apartment house**

these changes over of supply could be done through manually operated change over switch. Alternatively, the Lift shall be so wired that in case power failure ,it comes down at the ground level land comes to stand still with door open.

i) Arrangement shall be provided for extraction of smoke in 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 of fire alarm. In case of failure normal electric supply. It shall automatically trip to alternate supply.

j) All other requirements shall conform the I.S. specification including the communication facility in the lift cars connecting with fire control room of the building.

v) That active fire protection system such as wet cum down comer system with landing valve and hose reel at each floor in corporate with 450 LPM pump at terrace level ,ISI marked fire extinguishers as per IS 2190/1992,F.R. check door , manual call alarm point, Fire
safety luminescent sign and other fire precautionary measures as mentioned in NBC be provided before occupancy.

vi) That an under ground static water tank of not less than 20,000 liters. capacity with automatic refilling arrangement prefebly on front side where Fire brigade vehicles can reach easily and over head water static tank of not less than 10,000 liters capacity provided for fire fighting before occupancy.

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

viii) That electric cables must be shield at each floor with in intumescing coating.

ix) That AMC should be given qualified firm or person fore the maintenance of above recommended fire equipments.

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

xi) That the building must be construed on at least 40 feet wide road and it is the responsibility of the concerned Architect to be sure of the road width because he is the passing authority.

xii) The entire building be equipped with automatic alarm system and sprinkler's installation.

This shall be treated as provisional .On compliance of all the above Fire and Life Safety recommendation , this office shall be approached foe necessary inspection and testing of the installation, Final in favor of the occupancy shall be issued on being . satisfied with the testes an 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 map are being return with sign and stamp.

Encl-As above

Your faithfully,

28/12/14