



Government Of West Bengal
Office Of The Director General
West Bengal Fire & Emergency Services
13D, Mirza Ghalib Street, Kolkata - 16

Memo
no.:WBFES/3324/15/KoI/RB/385/15(385/15)

Date: 27-06-2023

From:
Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services

To: SWASTIC PROJECTS PVT. LTD (CHANDRA BHARATI MUKHERJEE,NAMITA MUKHERJEE,PURBI ROY AND APARAJITA MUKHERJEE)
42A,HAZRA ROAD,KOLKATA-700019.WARD NO-69,BOROUGH NO-VIII,P.S-BALLYGUNGE

Sub: Revised Fire Safety Recommendation (RFSR) for revised plan U/R 26 2(a) & 2(b) of K.M.C. Building Rule 2009 for (G+XVIII) storied (60.0 M. HT.) under group of occupancy Residential Building at premises no.- 42 A, Hazra Road, Ward No.- 69, Borough No.- VIII, P.S.- Ballygunge, Kolkata.- 700019.

This is in reference to your application no. 0125188238700149 dated 08-05-2023 regarding the Revised Fire Safety Recommendation (RFSR) for revised plan U/R 26 2(a) & 2(b) of K.M.C. Building Rule 2009 for (G+XVIII) storied (60.0 M. HT.) under group of occupancy Residential Building at premises no.- 42 A, Hazra Road, Ward No.- 69, Borough No.- VIII, P.S.- Ballygunge, Kolkata.- 700019.

The plan submitted by you was scrutinized and marked as found necessary from Fire Safety point of view. In returning one set of plan with recommendation, this office is issuing **Revised Fire Safety Recommendation** in favor of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:

Recommendations:-

Please follow earlier issued Fire Safety Recommendation vide this office Memo No.- WBFES/3324/15/KoI/RB/385/15(385/15) Dt. - 05/05/2015., shall remain same and same to be strictly followed for compliance and further course of action with addition to the following:-

Additional Recommendation: -

1. FIRE FIGHTING WATER:

•Under Ground Water reservoir Having Water Capacity of 150000 ltrs. shown/marked in the plan drawing Over Head Water Reservoir: - 20000 (for Fire) Capacity exclusively for Fire fighting purpose with replenishing arrangements @. 1000 Lts. /min. preferably from two different sources of water supply shall be provided.

2. STAIRCASE:

- Pressurization of all Staircases from Ground to top Floor level shall be maintained as marked or approved in the plan drawing. A positive pressure of 25-30 Pa shall be maintained in the Staircase. Pressurization shall be maintained round the Clock.
- The staircase of the building shall be enclosed type. Entire construction shall be made of bricks/R.C.C. type having Fire resisting capacity not less than 4 hours.
- 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 sectional area shall have to be provided in the external wall of the building and open able sashes will be in the external wall of the building
- The width of the staircases shall be made as marked/approved in the plan. Corridors and the exit Doors shall conforming the relevant Building Rules
- The entire staircase shall be extended up to terrace of the building and shall be negotiable to each floor level without entering into any room. The roof of the Stair wall shall be Min. 1 M above the surrounding roof Area.
- Fire and Smoke doors at the entrances of the Staircase enclosures as marked/approved in the plan at each floor level shall be provided. The F.C.D. shall be of at least one 02 hours Fire resisting wire glass window fitted with self closing type open able in the direction of escape.
- Considering the staircase are only means of evacuation, Emergency Lighting Arrangement, Directional & Exit signage Etc. shall be made conforming the relevant I.S. Code in this regard
- All other requirements shall conform the I.S. Specification including the communication facility in the lift cars connecting to the Fire Control Rooms of the Building.
- The walls of the lift enclosure shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.

3. MLCP: -

An Ordinary Hazard 2 (OH2) category sprinkler system which may exceed the performance of the OH2 category sprinkler system, (ie 5 mm/m over 144m²). Therefore, the appropriateness of the sprinkler system, in terms of the schematic design, sprinkler spacing and locations, sprinkler spray technology and hydraulic requirements should be designed to the specific vehicle storage arrangement.

It may be an appropriate strategy to consider the use of a single sprinkler head located at high level (ie just beneath the ceiling/roof) to activate all the sprinkler heads covering a column of cars. This may obviate the potential problems of sprinkler heads at lower level not being activated by the fire plume if not located directly in the path of hot rising fire gases, or being affected by the cooling action of the spray from other sprinklers if it is not activated prior to other sprinklers at higher level. Similarly, fire hydrant system performance should also be validated given the potential for a multiple vehicle fire.

On compliance of all the above Fire and Life safety recommendations, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation, Fire Safety Certificate 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. :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 Fire Safety Recommendation will be treated as cancelled.

Signature valid

Digitally signed by ABHIJIT
PANDEY
Date: 2023.08.27 14:30:12 IST

Director
West Bengal Fire & Emergency Services