

GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
13D, MIRZA GHALIB STREET, KOLKATA – 700016

Memo No: - WBFES/3063 /0225186248700328(CAF – 2024080044)

Date: - 02, 09, 24

From : Director
West Bengal Fire & Emergency Services

To : TARANG DALMIA
218A, Hemanta Mukhopadhyay Sarani
Ward No. – 90, Borough – VIII, P.O. – Sarat Bose Road, P.S. – Lake
Kolkata – 700029.

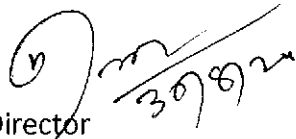
Sub: - Fire Safety Recommendation for a proposed G+VI storied building under group Residential at premises no- 218A, Hemanta Mukhopadhyay Sarani, Ward No- 90, Borough-VIII under KMC, P.O.- Sarat Bose Road, P.S.- Lake, Kolkata-700029.

This is in reference to your application no. – 0225186248700332 (CAF – 2024080044) regarding the Fire Safety Recommendations for proposed G+VI storied building under group residential at premises no- 218A, Hemanta Mukhopadhyay Sarani, Ward No- 90, Borough-VIII under KMC, P.O.- Sarat Bose Road, P.S.- Lake, Kolkata-700029.

The plan drawings submitted by you were scrutinized and marked as found necessary from fire safety point of view. In returning one set of plans with recommendations, this office is issuing Fire Safety Recommendations in favour of the aforesaid building subject to compliance of the following fire safety measures.

Enclo:

1. One set of plans.
2. Recommendations.


Director

West Bengal Fire & Emergency Services

RECOMMENDATION

CONSTRUCTION:

1. The whole construction of the proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of KMC.
2. The interior finish decoration of the building shall be made of low flame spread materials conforming to I.S. specifications.
3. Roof is used as a refugee area in case of an emergency and it should be clear open to sky for all time. No permanent or temporary structure will be allowed on the roof.
4. Arrangements shall have to be made for sealing all the vertical & horizontal ducts at each floor level by the materials of adequate Fire resisting capacity.

OPEN SPACE & APPROACH:

1. The approach road & driveway shall be sufficiently strong to withstand the load of Fire Engine.
2. The width and height of the access gates into the premises shall not be less than 4M x 5.5 M (width & height) as shown in approved plan drawing.

STAIRCASE:

1. The staircase construction of proposed shall be made of bricks / RCC type having Fire Resisting Capacity not less than 2 hours.
2. The width of the Staircase shall be made as shown in the plan.
3. The staircase shall be extended up to terrace of the building and shall be negotiable to each floor without entering any occupied area.
4. Fire and smoke doors at the entrances of all the staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least two hours Fire resisting wire glass window flitted with self-closing type, openable in the direction of escape.
5. Considering the staircase is only means of evacuation, so emergency lighting arrangement directional, exit, sign etc. shall be made conforming the relevant I.S. Code in this regards.

Lift :

1. The walls of the lift enclosure of the building shall be at least two hours FIRE resisting type.
2. Collapsible gate shall not be permitted.
3. In case of failure of normal electric supply, it shall automatically/manually trip to alternate supply and also shall have manually operated change over facility. The lift shall be so wired that in case of power failure, it comes down at the ground level stands still with door open.
4. All other requirements shall conform relevant I.S. specification including the communication facility in the lift cars which shall be connected with the Fire Control Room of the building.

FIRE FIGHTING WATER:

Over Head Water Reservoir having water capacity of 25,000L as marked in the plan exclusively for Fire Fighting purpose with proper replenishment arrangements @ 1000 ltr /min shall be provided. The water reservoirs shall have overflow arrangement with the domestic water reservoir as well as to prevent stagnancy of water. The water reservoirs shall be kept full at all time.

FIRE PUMP:

Provision of the terrace level fire pump shall have to be installed to supply water at the rate designed pressure & discharge into the water based system (not less than 900 LPM). One more pump of same capacity shall always be kept on stand-by.

HYDRANT SYSTEM:

1. The building shall be provided with Down Comer of 100 mm internal diameter pipe line with provision of landing valves at the half landing of each floor. The system shall be so designed that shall be kept charged with water all the time under pressure and capable to discharge 900 L.P.M. at the ground floor level outlets with running pressure not less than 3.5 kg/sq.cm. All other requirements shall confirm I.S. 3844-1989.
2. Provision for Hose Reel Hose in conjunction with Down Comer shall be provided at all floors half landing level, confirming the relevant I.S. specification.
3. At least two numbers of Hydrants shall be installed surrounding the building in accordance with relevant I.S. specification.
4. Provision of two way collecting head for uses of Fire Services must be provided near the main gate of the building.

ELECTRICAL INSTALLATION & DISTRIBUTION:

- 1) The electrical installation including main & meters etc and other electrical distribution system of the premises shall be made satisfying the code of practice for fire safety in general building as laid down in I.S. 1946-1982.
- 2) The electrical installation shall be adequately protected with CO₂/ D.C.P. extinguishers.
- 3) Alternative power supply – Arrangements shall have to made to supply with the help of a generator to operate at least the Fire Pumps, Pump for deep tube well, Fire Alarm System, and also for illuminating the staircase, lift lobbies etc. and other places of assembly of the building in case of normal power failure.

DETECTION AND ALARM SYSTEM:

1. Manually operated Electrical Fire Alarm system with one number of break glass type Manual Call Point fitted with Hooters, at each floor near staircase connecting with visual panel board shall be provided at the entrance of Ground Floor of the building other requirements of the system shall be made conforming to I.S 2189-1988.
2. Hooters will be sounded in such a manner so that an operation of a Manual Call Point Hooter shall be sounded at all floors.

FIRST AID FIRE FIGHTING SYSTEM:

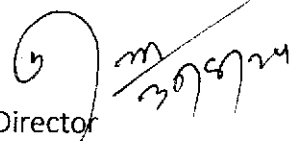
First Aid firefighting arrangement in the style of placing suitable type of portable Fire Extinguishers, Fire buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190-92.

GENERAL RECOMMENDATIONS:

- 1) Exit Sign, Fire Notice for fire fighting and evacuation from the building shall be prepared and be displayed at vulnerable places of the building.
- 2) A trained fireman shall be maintained round the clock for safety of the building.
- 3) Arrangement shall be made regular checking, testing and proper maintenance of all the fire safety installation and equipment installed in the building to keep them in perfectly good working conditions at all times.
- 4) Mock fire practice and Evacuation drill shall be performed periodically with participation of all occupants of the building.

"Fire Safety Certificate" is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory performance of all the life & fire safety arrangements and installation of the aforesaid building.

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



Director

West Bengal Fire & Emergency Services