



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

Date: 05-07-2023

Memo no.:FSR/0225186238700597

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

To: ARJUN SINGH CONSTITUTED ATTORNEY OF SRI DIPTENDU MOHAN SEN LESSEE
096,176/14/9,RAIPUR ROAD

Sub: Fire Safety Recommendation for proposed construction of a G+6 storied Residential Building at premises No. 176/14/9, Raipur Road, P.S.- Jadavpur, Ward No. 96, Borough-X, Kolkata-700092.

Application Reference : KMC (CAF-2023100077) received on 13-06-2023 regarding the Fire Safety Recommendation for proposed construction of a G+6 storied Residential Building at premises No. 176/14/9, Raipur Road, P.S.- Jadavpur, Ward No. 96, Borough-X, Kolkata-700092.

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 is issuing Fire Safety Recommendation in favor of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:
RECOMMENDATION

A.CONSTRUCTION :

- 1.The whole construction of the proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body/ authority.
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- 3.Provision of ventilation at the crown of the central core-duct of the building shall be provided.
- 4.Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

B.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.

2.The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45 M.T.

3.The width and height of the access gates into the premises shall not be less than 4.5 – 5 M respecting abutting the road.

C.STAIRCASE :

1.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.

2.The staircase of the building shall have permanent vents at the top and openable sashes at each floor level in the external wall of the building.

3.The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules.

4. The staircase shall be extended up to terrace of the building .

D.LIFT: Lift doors shall be enclosed type of at least two hours fire rating., collapsible gates shall not be allowed.

E.FIRE FIGHTING WATER :

Underground water reservoir having water capacity at 25,000 ltrs. Capacity and Over head reservoir having water capacity 15,000 ltrs exclusively in each building for Firefighting purpose with replenishing arrangements @ 1000 ltrs./min. Preferably from two different sources of water supply shall be provided. The water reservoir shall have overflow arrangement with the domestic water reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full at all time.

FHYDRANT SYSTEM :

1. Individual building Down comer at 100mm. in internal diameter Pipe Line with provision of landing valves at the Staircase landings / half landings at the rate of one such down comer for 1000 Sq.m. of floor area. The system shall be so designed that shall be kept charged with Water all the time under pressure and capable to discharge 900 ltrs/min. at the ground floor level outlet and minimum 450lts/min. at the top most outlet. In both cases the running pressure shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 – 1989. Provision of the Fire Pump shall have to be made at the terrace level to supply water at the rate-designed pressure and discharge into the water based system, which shall be installed in the building. One such pump of same capacity shall always be kept on stand-by.

2.Provision for Hose Reel in conjunction with Down comer shall be made at each floor level. Conforming the relevant I. S. Specifications.

3.Fire Service inlet near the entrance of the building shall have to be provided.

4.All other requirements of the water based fire protection shall be made as per I.S. Specification 3844-1989(with up to date amendment).

G.ELECTRICAL INSTALLATION & DISTRIBUTION :

1The electrical installation including transformers, Switch Gears, Main & Meters etc. and the 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. specification 1946 – 1982.

2The vertical & horizontal ducts shall be sealed at each floor level by fire resisting system.

3The electrical installation shall be adequately protected with CO2/D.C.P fire extinguisher.

4Alternative Power Supply :

Arrangements shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Pump for deep Tube-well, Fire Alarm System, Fire Lift etc. and also for illuminating the Staircase, corridors etc. and other places of assembly of the building incase of normal power failure.

H.DETECTION & ALARM SYSTEM :

1.Manually operated Electrical Fire Alarm system with at least one numbers of break glass type call boxes fitted with Hooters shall be provided in each floor,Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor. Smoke detectors shall be installed other than residential of the building.

I.FIRST AID FIRE FIGHTING SYSTEM :

First Aid Fire fighting 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 – 1992.

J.GENERAL RECOMMENDATIONS :

1Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.

2Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.

3Floor numbers and directional sign of escape route shall be displayed prominently.

4The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.

5Arrangement shall be made for 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.

Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.

This shall be treated as Fire safety recommendation. 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, as Fire safety recommendation will be treated as cancelled.

Memo No.:FSR/0225186238700597

Signature Not Verified
Digitally signed by ABHIJIT
PANDEY
Date: 2023.07.05 14:47:42 IST

Director
West Bengal Fire & Emergency Services