



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

Memo no.:FSR/0225186218701130

Date: 19-01-2022

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

To: ARJUN SINGH (PARTNER OF GRIHO NIRMAN ASSOCIATES @ CMA ON BEHALF OF SUSAMA ROY AND THREE OTHERS)
068,46/9/1,BALLYGUNGE PLACE

Sub: Fire Safety Recommendation for proposed construction of G+V storied under group Residential Building at the premises no. 46/9/1, Ballygunge Place, P.S.: Gariahat, Ward No.: 68, Borough - VIII, Kolkata - 700 019.

Application Reference : KMC (CAF-2021080119) received on 24-12-2021 regarding the Fire Safety Recommendation for proposed construction of G+V storied under group Residential Building at the premises no. 46/9/1, Ballygunge Place, P.S.: Gariahat, Ward No.: 68, Borough - VIII, Kolkata - 700 019.

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:

CONSTRUCTION

1. The whole construction and lay out of proposed building shall remain same as per approved plan and shall never be altered with prior approval of this Department and strictly follow Kolkata Municipal Corporation Rules.
2. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.
4. Provision of ventilation at the crown of the central core-duct of the building shall be provided.

OPEN SPACE & APPROACH:

1. The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliances with turning facility.
2. The approach roads shall be sufficiently strong to withstand the load of fire engine weighting up to 45 M.T.

STAIRCASE:

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 hrs.

- The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules
- The staircase shall be extended up to terrace of the building and shall be negotiable without entering into any room.

FIRE FIGHTING WATER:

Under Ground water reservoir having water capacity of 25000 Ltrs and Over head water reservoir having water capacity of 15000 Ltrs exclusively for Firefighting purpose with replenishing arrangements @ 1000lts./min. Preferably from two different sources of water supply shall be provided. The fire 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.

HYDRANT SYSTEM:

The residential building shall be provided the down comer system with 100 mm internal diameter pipe line with provision of standard Hose Reel Hose, landing valve in all floors and Yard Hydrant at least one number on ground floor level with Fire Service Inlet shall be installed in accordance with relevant I.S. specification. The system shall be so designed that shall be kept charged with Water all the time under pressure and capable to discharge 900 lts /min and the running pressure shall not be less than 3.5kgs/ sq.cm. All other requirements shall conform I.S. 3844-1989.

FIRE PUMP:

1. Provision of the Fire Pump of 900 LPM capacity shall have to be provided on the terrace as down comer system 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 shall always be kept on Stand-by on each block.
2. All the pumps shall be incorporated with both manual and auto starting facilities.

SPRINKLER INSTALLATION:

The automatic Sprinkler installation shall be provided in the ground floor car parking area of the building as per I.S. 9972. Alarm gong to be incorporated along with the sprinkler system.

ELECTRICAL INSTALLATION & DISTRIBUTION.

1. The 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.
2. The electrical installation shall be adequately protected with CO2/D.C.P. Extinguisher or modular.
3. Alternative 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 residential building in case of normal power failure.

DETECTION, ALARM SYSTEM:

Manually operated Electrical Fire Alarm system with adequate numbers of break glass type call boxes fitted with Hooter at each floor connecting with control panel at Control Room. The Control Room shall be located at the entrance of Ground Floor of the building, other requirements of the system shall be made conforming I.S. 2189-1988.

2. The Suppressions system shall be made with fire extinguishers as per suitability particularly inside the industry and in room of irreplaceable articles.

3. Hooter will be sounded in such a manner so that an operation of a Manual Call Point Hooters will sounder on the same floor and immediate alternate floor.

FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire fighting arrangement in the style of placing suitable Fire Extinguishers, Fire Buckets etc. in all floors and vulnerable of locations of the premises shall be made in accordance with I.S. 2190-1992.

GENERAL RECOMMENDATION:

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

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

3. Directional sign of escape route shall be displayed prominently.

4. The 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.

5. Arrangement shall be made for regular checking, testing and maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working conditions at all times.

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

This shall be treated as provisional N.O.C. on compliance of all 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, Final N.O.C. 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 provisional N.O.C. will be treated as cancelled.

Signature Not Verified
Digitally signed by ABHIJIT
PANDEY
Date: 2022.01.19 16:18:58 IST

Director
West Bengal Fire & Emergency Services