

**GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
13-D Mirza Ghalib Street, Kolkata- 700 016**

Memo No : IND/WB/FES/20182019/27447

DATE: 12/09/2018

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

To :
Swapan Kumar Saha
60, Sreenagar Main Road, Garia Station, Kolkata - 700094.

Sub : Fire Safety Recommendation for Proposed (G+IV) & (G+III) storied under group Residential Building at the premises no. 60, Sreenagar Main Road, Garia Station, Ward no 01, Kolkata – 700094.

This is in reference to your Application No. IND/WB/FES/20182019/27447, dated 12/09/2018, regarding the Fire Safety Measure for Proposed (G+IV) & (G+III) storied under group Residential Building at the premises no. 60, Sreenagar Main Road, Garia Station, Ward no 01, Kolkata – 700094.

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 favour of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:

1. CONSTRUCTION:

1. The whole construction of the proposed building shall remain same as per approved plan of this Department.
2. Materials for rapid flame spread categories including untreated wood fiber board etc. shall

be not use.

3.The interior finish decoration of the building shall be made with the materials with low flame spread and low smoke/non-toxic gas generating categories conforming I.S. Specification.

4.Arrangement shall have to be made for sealing all the ducts by the materials of adequate Fire resisting capacity.

2. OPEN SPACE AND APPROACH:

1.The approach road shall be sufficiently strong to withstand the load of Fire Engine`

2.The abutting road shall permit the accessibility and maneuverability of Fire appliance.

3. STAIRCASE:

1.Entire construction shall be made of bricks / R.C.C. type having Fire resisting capacity not less than 2 hours.

4. ELECTRICAL INSTALLATION & DISTRIBUTION:

1.The electrical installation including transformers (if any, shall be of dry and explosion proof), 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 horizontal supply ducts shall be sealed properly.

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

4.Electrical distribution system of the all buildings shall be made in the form of concealed wiring . Cables shall be I.S. marked and preferably be of F.R.L.S. categories. M.C.B. shall be installed in electrical circuit to avoid electrical fire hazards.

5.All electrical installation viz. transformer, Switch Gear L.T, H.T rooms shall be protected with suppression system as per suitability.

6.Alternative Power Supply : Arrangement shall have to be made to supply power with the help of a UPS to operate at least Fire alarm System and illuminating the exit way, corridors etc. and other assembly places of the building incase of normal power failure.

5. DETECTION & ALARM SYSTEM:

1.Manually operated Electrical fire alarm system with break glass type call boxes fitted with hooters at each building connected with audio-visual panel board shall be made, other requirements of the system shall be made conforming I.S. 2189-1988.

2.Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooter will sounded on all floors.

6. FIRE FIGHTING WATER:

1. Underground Water Reservoir having water capacity of 30000 Lts. (for fire fighting purpose) and Overhead Water Reservoir having water capacity of 10000 Lts. exclusively for fire fighting purpose with replenishing arrangements @ 1000 Lts./min. of water supply shall be provided.
2. The Fire Water Reservoir shall have overflow arrangement with the domestic Water Reservoir as well as to avoid stagnancy of water. The fire water reservoir shall be kept full at all time.
3. Provision of necessary manhole shall be made on the top of the reservoir as per specification.
4. Provision of Fire Service inlet shall be installed on the entrance of the building.

7. HYDRANT SYSTEM:

1. The building shall be provided with Down comer along with hose reel hose connected to terrace tank through the terrace pump 900 LPM capacity and one same capacitated stand-by pump and provided one 100mm. internal diameter Pipe Line for 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 shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 – 1989.
2. Separate Fire pump same capacity of main pump i.e. 900 LPM shall have to be provided and act as a stand by fire pump.
3. One number Fire Service Inlet shall be installed the building in accordance with relevant I.S. specification.
4. Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R. full at all time.

8. 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 buildings and vulnerable locations of the premises shall be made in accordance with I.S. 2190-1992.

9. GENERAL RECOMMENDATIONS:

1. Exit signage shall be prepared and be displayed at all vulnerable places of the buildings.
2. All employees and security staffs should have adequate knowledge of handling fire protection equipment, evacuation process in time of emergency and testing.
3. Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working conditions at all times.
4. Haphazard indoor or outdoor storage shall be avoided.

5. Drill: Must be acquainted with evacuation passage of escape route by practicing as a drill with all residents and security staffs as a drill every month as a special duty and records of which must be kept in their custody.
6. Telephone numbers of all Emergency Services and Departments shall be hanged at conspicuous places.
7. The Department of Fire & Emergency Services, Government of West Bengal shall not take any responsibility in respect of any legal dispute if pending or arises about the title of land/property.
8. This Fire Safety Recommendation cannot be treated in any case for regularizations of any unauthorized construction.
9. All necessary clearance certificates shall have to be obtained as per Government Rules.

On compliance of all the above Fire & Life Safety Recommendations, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installations, 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.

Director
West Bengal Fire & Emergency Services

Signature valid
Digitally signed by ABHIJIT
PANDEY
Date: 2018.09.12 16:22:01 IST