



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

Memo no.:WBFES/7005/16/24Pgs(S)-
RB/1293/16(1293/16)

Date: 28-07-2021

From:

Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services

To: Ganguly Home Search Private Limited
167, Garia Station Road, Kolkata 700084

Sub: Revised Fire Safety Recommendation for one no proposed & two numbers existing construction of G+IV Storied under group Residential Building at the premises no. Paschim Mahamayapur, Holding NO. 684, R.S. Dag No. 1231, 1236, 1237/ 1903, Khatian No. 511, 1792, 1737, J.L.No. 47, Mouza – Barhans- Fartabad under Rajpur Sonarpur Municipality, Ward No. 28, Kolkata -700150.

This is in reference to your application no. 0125188211200030 dated 17-06-2021 regarding the Revised Fire Safety Recommendation for one no proposed & two numbers existing construction of G+IV Storied under group Residential Building at the premises no. Paschim Mahamayapur, Holding NO. 684, R.S. Dag No. 1231, 1236, 1237/ 1903, Khatian No. 511, 1792, 1737, J.L.No. 47, Mouza – Barhans- Fartabad under Rajpur Sonarpur Municipality, Ward No. 28, Kolkata - 700150.

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:

This Revised Fire Safety Recommendation is issued against the cancellation of previous Fire Safety Recommendations which was issued vide memo no. WBFES/7005/16/24 Pgs(S)-RB/1293/ 16(1293/16) dated. 09/12/2016.

A. 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 local Panchayet / Municipal Rules.
2. The floor area exceeds 750 Sq M shall be suitably compartmented by separation walls up to ceiling level having at least two hours fire resisting capacity.

3. 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.

B. 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.

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

D. LIFT:

1. The lift well shall be at least two hours fire resisting type.
2. Collapsible Gate shall not be permitted,
3. Lift lobbies at each floor level to be enclosed with FCD and lift lobby at basement level to be pressurized.

E. FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 75000 Ltrs and Overhead water reservoir having water capacity of 10000 Ltrs on each building 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.

F. HYDRANT SYSTEM:

1. The buildings shall be provided with Wet Riser of 150 mm internal diameter pipe line with provision of landing valves at the staircase landing/half landings at the rate of one such riser for 1000 Sq. M. of floor area. The system shall be so designed that be kept charged with water all the time under pressure and capable to discharge 1620 LPM at the ground floor level outlet and minimum 900 LPM at the top most outlet. In both cases the running pressure shall not be less than 3.5 Kg./Sq.cm. All other requirements shall conform I.S. 3844-1989.
2. Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level of all buildings conforming the relevant I.S. specification.
3. Yard Hydrant & Ring Main Hydrant with provision of adequate numbers Hydrant along with Fire Service inlet shall be installed surrounding the buildings in accordance with relevant I.S. specification.

G. FIRE PUMP:

1. Provision of the Fire Pump shall have to be made to supply water at the rate-designed pressure and discharge into the

water based system, which shall be installed in the buildings. One such pump shall always be kept on Stand-by preferably of diesel driven type.

2. Provision of Jockey Pump shall also have to be made to keep the Water based system under pressurized condition at all the time. All the pumps shall be incorporated with both manual and auto starting facilities.

H. SPRINKLER INSTALLATION:

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

I. 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 assembly of the building in case of normal power failure.

J. DETECTION, ALARM SYSTEM:

1. 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 Detector or Manual Call Point Hooters will sounder on the same floor and immediate alternate floor.

4. Public Address System:

Public address system linked between all floors and control room shall have to be established.

K. 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.

L. 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.

Validity unknown

Digitally signed by ABHIJIT
PANDEY
Date: 2021.07.28 08:26:58 IST

Director
West Bengal Fire & Emergency Services