

**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/20182019/35845

DATE: 17/01/2019

From :

The Director

Fire Prevention Wing,

West Bengal Fire & Emergency Services.

To :

Liberty Real Estate Private Limited

19/1, Biplabi Barin Ghosh Sarani, Kolkata-700 067

Head Quarter F.S., Manicktala,

Kolkata - 700067 .

Sub :Fire Safety Recommendation for proposed construction of Residential Complex comprising of 2 nos. G+IV storied Residential Building termed as Block 1 and Block 2 respectively, at the premises no. 19/1, Biplabi Barin Ghosh Sarani, Ward No. 32, Borough III under KMC, P.S. Maniktala, Kolkata – 700 067.

This is in reference to your Application No. IND/WB/FES/20182019/35845,dated 17/01/2019, regarding the Fire Safety Measure for proposed construction of Residential Complex comprising of 2 nos. G+IV storied Residential Building termed as Block 1 and Block 2 respectively, at the premises no. 19/1, Biplabi Barin Ghosh Sarani, Ward No. 32, Borough III under KMC, P.S. Maniktala, Kolkata – 700 067..

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.

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.
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming L.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 made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

B.OPEN SPACE & APPROCH:

- 1.The open space surrounding the buildings 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 less than 4M - 5 M respecting abutting the road.

C.STAIRCASE:

- 1.The staircase of the buildings shall be made of bricks / R.C.C type having Fire resisting capacity not less than 2 hours.
2. The Staircase of the buildings shall have permanent vents at the top and openable sashes at the each floor level in the external wall of the building.
- 3.The width of the staircases shall be made as shown / marked in the plan. Corridors and the exit doors shall conforming the relevant building rules with up-to-date amendments.
- 4.All the staircases 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 walls of the lift enclosure shall be at least two hours Fire Resisting type.
- 2.Collapsible gate shall not be permitted.
3. The lift of each building shall be designed for Fire Lift. The Word "FIRE LIFT" shall conspicuously written at ground floor.

E.FIRE FIGHTING WATER:

Underground reservoir of 25000 ltrs. for firefighting purpose for both the buildings and Overhead reservoir of 15,000 Lts. capacity for each building exclusively for Firefighting purpose with replenishing arrangements @ 1000 lts./min preferably from two different sources of water supply shall be provided. The water reservoir shall be kept full at all time and the same the Water Reservoir shall have overflow arrangement with the domestic Water Reservoir as well as to avoid stagnancy of water.

F.HYDRANT SYSTEM:

- 1.Each building shall be provided with down comer one no. 100 mm internal diameter Pipe

Line with provision of landing valves at the Staircase landings/half landings along with hose reel hose connected to terrace tank through the terrace pump at 900 LPM capacity. The system shall be so designed that shall be kept charged with Water all the time under pressure and shall not be less than 3.5 Kgs/Sq. cm. One such terrace pump of equal capacity shall be installed as stand by fire pump. All other requirements shall conforming I.S. 3844-1989.

2. Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R. full at all time.

3. Fire Service Inlet shall be installed near the entrance of the building.

G. ELECTRICAL INSTALLATION & DISTRIBUTION:

1. Electrical distribution system of the building shall be made in the form of concealed wiring or in heavy gauge M.S. conduit, continuously bonded to the earth. Cables shall be I.S. marked and preferably be of F.R.L.S. categories.

2. Electrical distribution System shall conform all the requirements as laid in I.S. 1646-1982.

3. The electrical installation shall be adequately protected with automatic fire detection and suppression system as per relevant IS specification.

4. Alternate 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, etc. and also for illuminating the Staircase, corridors etc. and other places of assembly of the building in case of normal power failure.

H. Alarm System :

1. Manually operated Electrical Fire Alarm system with at least two numbers of break glass type call boxes fitted with Hooters.

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

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:

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

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

4. The occupancy 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 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.

6.A crew of trained Fireman shall be maintained round the clock for safety of the building.

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

8.Each year a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, regarding performance of all the Life & Fire Safety arrangements and installation of the building.

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, this Fire Safety Recommendation will be treated as cancelled.

Director
West Bengal Fire & Emergency Services