



Government Of West Bengal
Office Of The Divisional Fire Officer, South 24 Parganas
West Bengal Fire & Emergency Services
6, Diamond Harbour Road, Silpara, Kol-700008

Memo no.: FSR/0125186201202264

Date: 25-08-2020

From:
Divisional Fire Officer, South 24 Parganas
West Bengal Fire & Emergency Services

To: MMRG Group
Vill.- Amtala P.O.- Kanayanagar, P.S.- Bishnupur, Dist.- South 24 Parganas, Pin-743398

Sub: Fire safety recommendation for a G+4 storied proposed Residential building AT MOUZA - AMTALA, J.L.NO.- 73, L.R.DAG NO - 460,461,462,465 & 502, L.R.KHATIAN NO.- 6670,6664,6666,6660,6668,6665,6667,6671,6672, P.S.- BISHNUPUR, DIST- SOUTH 24 PGS, UNDER CHANDI GRAM PANCHAYET, FOR MMRG GROUP.

This is in reference to your application no. 0125186201202264 dated 30-07-2020 regarding the Fire safety recommendation for a G+4 storied proposed Residential building AT MOUZA - AMTALA, J.L.NO.-73, L.R.DAG NO - 460,461,462,465 & 502, L.R.KHATIAN NO.- 6670,6664,6666,6660,6668,6665,6667,6671,6672, P.S.- BISHNUPUR, DIST- SOUTH 24 PGS, UNDER CHANDI GRAM PANCHAYET, FOR MMRG GROUP.

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 interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
2. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
3. Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

B.OPEN SPACE &APPROACH :

- 1.The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 30 M.T.

C.STAIRCASE :

- 1.The staircase of the building shall be enclosed type.
- 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.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.FIRE FIGHTING WATER :

Overhead reservoir of 20,000Lts. Capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000 lts./min. Preferably 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.

E.HYDRANT SYSTEM :

1. The building shall be provided with 100 mm internal diameter Down comer with 63 mm landing valve, Hose Reel Hose, Hose Box at the Staircase Landings / Half Landings and Fire Service inlet at the Ground floor facing to the approach road. One down comer shall be provided for each 1000 sq. Mtr. The system shall be so designed that shall be kept charged with water all the time under pressure, running pressure shall not be less than 3.5 kgs/cm² at the top of the installation. All other requirements shall conform to I.S. specifications 3844-1989
- . 2. Fire Service inlet shall be installed in the building in accordance with relevant I.S specifications.

F.FIRE PUMP :

One booster pump with capacity of 450 Lpm at 7-8 kg/sq.cm.and a Stand by Fire pump of same capacity shall be provided.All pump shall be kept in auto mode.An arrangement of alternative power back-up to the pump house shall be provided.

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

3The electrical duct shall be sealed at each floor.

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 in case of normal power failure.

H.DETECTION, ALARM AND SUPPRESSION SYSTEM :

1.Manually operated Electrical Fire Alarm system with at least three numbers of break glass type call boxes fitted with Hooters along with public address system, talk back system at each floor connecting with audio-visual panel board shall be made in 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.Auto fire detection system with the help of Heat and smoke detector shall be installed in all places of below and preferably above false ceiling of the building. The system shall also be made in places of rooms where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S. 2189-1988.

3.Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will be sounded 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.

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. 15683 with effect from January 2012.

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 equipments installed in the building to keep them in perfectly good working conditions at all times.

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

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