



Government Of West Bengal
Office Of The Divisional Fire Officer,Howrah
West Bengal Fire & Emergency Services
430, G.T. Road, Howrah(N), Pin :- 711101

Memo no.:FSR/0125186211300518

Date: 17-03-2022

From:
Divisional Fire Officer,Howrah
West Bengal Fire & Emergency Services

To: Tapan Kumar Banerjee
217, G. T. Road (south). Howrah - 711 102

Sub: Fire & Life Safety Recommendation of Proposed G+4 Storied Under group of Residential Building in the name & style of "Tapan Kumar Banerjee" at the premises no. Holding No. - 217, G. T. Road (south), HMC Ward No. - 34, Borough - V, P.S. - Shibpur, Howrah - 711 102

This is in reference to your application no. 0125186211300518 dated 11-12-2021 regarding the Fire & Life Safety Recommendation of Proposed G+4 Storied Under group of Residential Building in the name & style of "Tapan Kumar Banerjee" at the premises no. Holding No. - 217, G. T. Road (south), HMC Ward No. - 34, Borough - V, P.S. - Shibpur, Howrah - 711 102

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:

This is in reference to your AIN: 0125186211300518 Dated : 11/12/2021 regarding Fire Safety Recommendation at the above mentioned premises that, the plan submitted by you, were scrutinized and necessary Fire Safety Measures were marked.

This Fire Safety Recommendation will only be considered valid after obtaining all required permission from All Concerned Local Authorities as well as State Authorities. Otherwise this FSR will automatically be Revoked.

In returning herewith one set of plan, the office issuing a Fire Safety Recommendation Certificate in favour of the aforesaid mention premises to the compliance of the following fire safety measures.

FIRE SAFETY RECOMMENDATIONS:

A.CONSTRUCTION:

- 1)The whole construction of the building to be carried out as per approved plan drawings confirming the relevant building rules of Local Body.
- 2)The floor area exceeds 750 m² 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 and non slippery materials confirming I.S.

location. The numbers of FCD (Fire Checked Door) marked in the plan to be constructed.

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 appliance with turning facility.
- 2) The approach roads shall be sufficiently strong to withstand and load of Fire Engine Weighting up to 45 M.T.
- 3) The width and height of the access gates into the premises shall not be less than 4.5-5 M respecting abutting the road.

C. STAIRCASE

- 01) The staircase of the building shall be enclosed type. Entire construction shall be made of bricks / R.C.C. type having Fire resisting capacity no less than 4 hours.
- 02) The staircase of the building shall have permanent vents at the top and open able sashes at each floor level in the external wall of the building.
- 03) The width of the staircases shall be made as marked in the plan, Corridors and the exit doors shall confirming the relevant building rules with up-to-date amendments.
- 04) All the staircase shall be extended up to terrace of the building and shall be negotiable to each floor.

D) FIRE FIGHTING WATER

Underground water reservoir having water capacity of 30000 ltrs. and Over head water tank capacity 10000 ltrs. Exclusively for Fire fighting purpose with replacing arrangements 1000 ltrs/min. preferably from two different sources of water reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full at all time.

E. FIRE PUMP:-

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 building. One such Electric pump of capacity 1620 L.P.M shall always be kept on stand-by preferably be of One Diesel driven type pump of Capacity 900 L.P.M. Provision of Jockey Pump of capacity 180 L.P.M 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.

Provision for Hose Reel connection with underground /overhead reservoir shall be made at each floor level, confirming the relevant one booster pump filled with O.H. tank auto & manually operated. Providing one 100mm internal diameter pipe line at each part of the building with provision of Landing valves at each Staircase Landings/Half landings. All other requirements shall confirm I.S. 3844-1989.

F) 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 vertical ducts shall be supply sealed at alternative floor level.
- 3) The electrical installation shall be adequately protected with Co2/D.C.P.
- 4) 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, etc. and also for illuminating the Staircase , corridors etc. and other places of assembly of the building In case of normal power failure.

G. DETECTION AND ALARM SYSTEM :

- 1) Manually operated Electrical Fire Alarm system with at least Two numbers of break glass type call boxes fitted with

s along with public address system, at each floor connection with visual panel board shall be made in Control Room. Control Room shall be located at the entrance of Ground Floor of the building, other requirements of the system shall be made confirming I.S. 2189-1988.

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

H.FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire Fighting arrangement in 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.

I. AIR CONDITION SYSTEM(If any) :

- 01) The A.H.U. shall be separated for each floor with the system Air Ducts for individual floors.
- 02) Arrangement shall be made for isolation at the strategic location by incorporating auto dampers in the Air Condition System.
- 03) The system of auto shut down of A.H.U. shall be incorporated with the auto detection and alarm system.
- 04) The air handling units room shall be used for storage of any combustible materials.

J.GENRAL RECOMENDATIONS:

- 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)Floor Nos. and 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 & Testing.
- 5)Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Installation and Equipments installed in the building to keep them in perfectly good working conditions at all times.
- 6)A trained Fire man 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 occupants of building.
- 8)Each year a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about satisfactory services performance of all the Life and Fire Safety arrangements and installation of the building.

The small be tested as F.S.R. On Compliance of all the above Fire and Life Safety Recommendation, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation, F.S.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 approves plan drawing, without obtaining prior permission from this office, this Fire Safety Recommendation. will be treated as canceled.

Divisional Fire Officer, Howrah
West Bengal Fire & Emergency Services

Memo No.: FSR/0125186211300518

Signature Not Verified
Digitally signed by Shyam
Chandra Mondal
Date: 2022.03.17 16:59:04 IST