



Government Of West Bengal
Office Of The Divisional Fire Officer, Bankura
West Bengal Fire & Emergency Services
Purulia Fire Station, Ranchi Road, Purulia, Pin:- 723101

Memo no.: FSR/0125186227800064

Date: 25-06-2022

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

To: Sri Bipul Bhattacharjee, Smt Mohali Bhattacharjee, Sri Debasis Shyam & Sri Santanu Mondal.
Holding no. 11/6, Ward no. 18, Mouza Turki Sitarampur, Plot no. R.S 238, L.R 556, Kh. no. 3961, 3962, 3963, 3964,
J.L no. 100, P.S Bishnupur, Dist. bankura, Pin - 722122.

Sub: Fire Safety Recommendation for a proposed G+4 storied building under group Residential Occupancy at the Premises of : Holding no. 11/6, Ward no. 18, Mouza Turki Sitarampur, Plot no. R.S 238, L.R 556, Kh. no. 3961, 3962, 3963, 3964, J.L no. 100, P.S Bishnupur, Dist. Bankura, Pin - 722122.

This is in reference to your application no. 0125186227800064 dated 18-06-2022 regarding the Fire Safety Recommendation for a proposed G+4 storied building under group Residential Occupancy at the Premises of : Holding no. 11/6, Ward no. 18, Mouza Turki Sitarampur, Plot no. R.S 238, L.R 556, Kh. no. 3961, 3962, 3963, 3964, J.L no. 100, P.S Bishnupur, Dist. Bankura, Pin - 722122.

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 whole construction of the building shall be carried out as per approved plan drawings confirming the relevant building rules of local Governing Body and NBC PART-IV.
2. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
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 open space surrounding the building area shall confirm the relevant rules as well as permit the accessibility and maneuverability of fire appliances with turning facilities.
2. The approach road shall be sufficiently strong enough to withstand the load of fire engines weighing up to 45 M.T.
3. The width and height of the access gates into the premises shall not be less than 4.5 mtrs and 5.0 mtrs respectively

abutting the road.

C) STAIRCASE :

1. Entire construction of the staircase shall be made of bricks / R.C.C. type having Fire resisting capacity not less than 2 hours.
2. The width of the staircases shall be made as shown in the plan. Corridors and the exit doors shall confirm the relevant building rules.
3. The staircase and corridor lightening shall be of alternative source of supply in case of emergency and also on a separate circuit.

D) FIRE FIGHTING WATER:

1. Under ground water reservoir exclusively for Fire Fighting operation shall be ensuring minimum 20000 lts. capacity and Over Head water reservoir exclusively for fire fighting operation shall be ensuring minimum 15000 lts. capacity shall have to be provided.
2. The fire water reservoir shall have overflow arrangement with the domestic reservoir to avert stagnancy of water.
3. Provision of replenishment at the rate of at least 450 lts. /min. from two separate sources of water supplies shall be made.
4. Provision of placing Fire Appliances on the underground water reservoir shall have to be made to draw water in case of emergency.

E) HYDRANT SYSTEM:

1. The building area shall be provided with Down Comer system with 100 mm internal diameter M.S pipeline with provision of landing valves along with hose reel hose @ 1(one)/floor in the building. The system shall be so designed that shall be kept charged with water all the times under pressure and capable to discharge water not less than 900 l.p.m at the ground floor level and 900 l.p.m at the top most outlet, in both cases the running pressure shall not be less than 2.0 kgs/sq. cm. All other requirements shall confirm I.S 3844-1989.
2. Provision of one number fire service inlet shall be installed surrounding the building in accordance with relevant I.S. specifications.

F) FIRE PUMP:

- 1) Provision of the Fire pump shall have to be made at the terrace connected to the over head water reservoir to supply water at the rate designed pressure and discharge into the water based system, which shall be installed in the building. 2) 1(one) such pump of equal capacity shall always be kept as standby preferably connected to alternative source of power supply with the help of a generator.
- 3) All the pumps shall be incorporated with both auto and manual starting facilities.
- 4) The water supply pump from UGWR to OHWR shall also be connected to alternative source of power supply with the help of a generator.

G) ELECTRICAL DISTRIBUTION SYSTEM:

1. All electrical installation viz. Transformers, Switch Gears, Mains & Meters L.T., H.T. rooms and the distribution system of the premises shall be made , satisfying the code of practice for Fire Safety In General Buildings as laid down in IS Specifications 1946-1982.protected with both auto detection and suppression system as per suitability.
3. Alternative Power Supply : Arrangement shall be made to supply power with the help of a generator to operate at least the Fire pumps, Pump for the deep tube well, Fire Alarm system, etc. and also for illuminating the staircase, corridors etc. and other place of assembly of the building in case of normal power failure.

H) DETECTION & ALARM 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 at each floor connecting with audio-visual panel board shall be made in Control Room of the building. The Control Room shall be located at the entrance of Ground Floor of the building. Other requirements of the system shall be made confirming IS: 2189-1988.

2. Hooters will be sounded in such a manner so that an operation of a Detector or 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.

3 Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.

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

5 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.

6 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.

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

8. A trained Fireman under the experienced Officer shall be maintained round the clock for safety of the building.

N.B.: Any deviation and changes in 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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