



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

Memo no.:FSR/0125186231500222

Date: 07-09-2023

From:
Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services

To: Rajdeep Khan
Sanjat Bazar

Sub: Fire Safety Recommendation for proposed construction B+G+VIII storied Residential Apartment, as per NBC Part IV laying under group of Residential Establishment (Sub-Division A-4), in the name of Rajdeep Khan S/O Sri Himadri Khan in Mouza — Mahatabpur, J.L. No. — 178, K.H. No. — 2909, L.R. Plot No. — 910 & 911, Holding No. 2922, ward No. — 18, P.S. — Midnapore Sadar, Dist. — Paschim Medinipur under Midnapore Municipality, PIN 721101 for Fire and Life safety measures.

This is in reference to your application no. 0125186231500222 dated 31-07-2023 regarding the Fire Safety Recommendation for proposed construction B+G+VIII storied Residential Apartment, as per NBC Part IV laying under group of Residential Establishment (Sub-Division A-4), in the name of Rajdeep Khan S/O Sri Himadri Khan — in 18, Mouza p.s. — Mahatabpur, J.L. No. - 178, K.H. No. - 2909, L.R. Plot No. - 910 & 911, Holding No. - 2922, ward No. Midnapore Sadar, Dist. — Paschim Medinipur under Midnapore Municipality, PIN - 721101 for Fire and Life safety measures.

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:

A.CONSTRUCTION •

- 1.The whole construction of the existing building shall be carried out as per approved plan drawings conforming of the relevant building rules of local Municipality Body.
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- 3.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 manoeuvrability of Fire appliance with turning facility.

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

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 hours.
2. 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.
3. The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conform the relevant building rules.
4. Fire and check door at the entrance of all the Staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least two hour Fire resisting wire glass window fitted with self – closing type open able in the direction of escape.

D. LIFT (If Any):

1. The walls of the lift enclosure shall be at least two hours Fire resisting type.
2. Collapsible gate shall not be permitted.

E. FIRE FIGHTING WATER:

Underground water reservoir having water capacity at 20000ltrs. and over head reservoir of 30000ltrs. Capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000ltrs/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 building shall be provided with down comer connected to terrace tank through the terrace pump at 900 L.P.M. capacities and providing one 100 mm. internal diameter pipe line with provision of landing valves at the Staircase landings/half landings at the rate of one such riser for 1000 sq metres of Floor area. The system shall be so designed that shall be kept charged with water all the time under pressure and one standby pump at same capacity shall also be installed. The entire pump shall be incorporated with both manual and auto starting facilities and in both cases the running pressure shall not be less than 3.5 kgs/cm². All other requirement shall conform I.S. 3844-1989.
2. Fire Service Inlet shall be installed the building in accordance with relevant I.S. specifications
3. Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R full at all time

G. SPRINKLER INSTALLATION:

The automatic Sprinkler installation shall be provided Basement area as per I.S. 9972. Alarm gang to be incorporated along with the Sprinkler System.

H. AIR CONDITIONING SYSTEM : (If any)

Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Conditioning 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 vertical & horizontal electrical ducts shall be sealed at each floor level by fire resisting material.
3. The electrical installation shall be adequately protected with CO2/D C P. Fire Extinguisher
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, 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 AND SUPPRESSION SYSTEM:

1. Manually operated Electrical Fire Alarm system with adequate number of ABS type call boxes fitted with Hooters shall be provided at the entrance of the building other requirements of the system shall be made conforming I.S. 2189 – 1988.

K. FIRST AND 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.

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. Collapsible gate is not allowed in any Gate of the Ent./Exit. Building.
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 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. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.

On compliance of all the above Life and Fire Safety Recommendation, the Director General, West Bengal Fire & Emergency Services shall be approved for necessary inspection and testing of all 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.

Validity unknown



Director
West Bengal Fire & Emergency Services