



Government of West Bengal
Office of the Director General
West Bengal Fire & Emergency Services
13D, Mirza Ghalib Street, Kolkata – 16

Memo No.: FSR/211862406300007904

Date : 06-01-2025

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

To :
Pradip Kumar Singh & Others
Holding No-16/5, Dakshin Buxarah 1st Bye,J.L.No-1,L.R.Kh-151,154,L.R.Dag-107/128,109,113,35,40,Howrah-711109

Sub: Fire Safety Recommendation for Proposed Construction of a G+VII storied under group of Residential Building in the name & style of "Pradip Kumar Singh & Others" at the premises no. at Holding No.- 16/5, Dakshin Buxarah 1st.Bye Lane, Ward No.- 41, Borough No.- (Vi), Sheet No:108,109, J.L. No:1, L.R. Khatian No: 151 & 154, L.R. Dag No: 107/128, 109, 113, 35, 40, P.S.- A.J.C. Bose Botanical Garden, Dist.- Howrah - 711109. .

This is in reference to your AIN 211862406300007904 dated 11-Nov-2024 regarding Fire Safety Recommendation for Proposed Construction of a G+VII storied under group of Residential Building in the name & style of "Pradip Kumar Singh & Others" at the premises no. at Holding No.- 16/5, Dakshin Buxarah 1st.Bye Lane, Ward No.- 41, Borough No.- (Vi), Sheet No:108,109, J.L. No:1, L.R. Khatian No: 151 & 154, L.R. Dag No: 107/128, 109, 113, 35, 40, P.S.- A.J.C. Bose Botanical Garden, Dist.- Howrah - 711109.

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 office is issuing Fire Safety Recommendation in favor of the aforesaid building for compliance of the following fire safety measure.

Recommendation :

1. The whole construction of the proposed building shall be carried out as per approved plan drawings conforming 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. Arrangement shall have to be made for sealing all the vertical and horizontal ducts by the materials of adequate fire resisting capacity.

OPEN SPACE AND APPROACH:

1. The open space surrounding the building shall conform the relevant building rules as well as permit the



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and manoeuvrability of Fire Appliances with turning facility.

Approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting 45M.T.

Width and height of the access gate into the premises shall not be less than 4.5 mts. and 5.0 mts. respectively the

road.

Drive way should be free from any type of obstruction. No parking will be allowed on the drive way.

Passage way should be kept clear for free access.

Driveway shall be placed without encroaching drive way.

BASE:

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.

The staircase of the building shall have permanent vents at the top and operable sashes at each floor level in the external walls of the building.

The width of the staircase shall be made as marked in the plan. Corridors and the exit doors shall conform the present Building Rules with up to date amendment.

The staircase shall be extended up to terrace of the building and shall be negotiated to each floor.

The walls of the lift enclosure shall be at least two hours Fire Resisting type.

Collapsible gate shall not be permitted.

Lift shall be designed for Fire Lift during emergency. The word "FIRE LIFT" shall conspicuously written at ground floor.

FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 40,000 ltrs.(As shown in plan) and overhead water reservoir having capacity of 25,000 ltrs. exclusively for firefighting purpose with replenishing arrangements @ 1000 ltrs/min. preferably from two different sources of water supply shall be provided. The water reservoirs 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.

Pumps for Fire Fighting installation IS - 12469:1988:-

1. One number Electric Booster Pump (Terrace Pump) - 900 LPM.
2. One number Standby Pump- 900 LPM.
3. Both the pumps shall be fitted with auto start panel and connected with alternative source of power.

HYDRANT SYSTEM:

1. The building shall be provided with Down comer of 100 mm. internal diameter pipe line with provision of 63 mm internal diameter landing valves at the staircase landing/half landing, Hose reel shall be provided. One such down comer for 1000 sqm of floor area shall be provided. All other requirement shall conform IS. Specifications.
2. One Yard Hydrant valve with provision of one number of Fire Service Inlet shall be installed at the entrance of the building in accordance with relevant I.S. specifications.

SPRINKLER SYSTEM

Multilevel car parking area shall be protected with Sprinkler system.

ELECTRICAL INSTALLATION AND DISTRIBUTION:

1. The electrical installation including Transformers, Switch Gear, 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 and horizontal electrical ducts shall be sealed at each floor level by fire resisting materials.
3. The electrical installation shall be adequately protected with CO2/D.C.P. Fire Extinguishers conforming I.S. specification.
4. Arrangement for alternative power supply shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Deep Tube-Well Pump, Fire Alarm System etc. and also for illuminating the Staircase, Corridors, Lobbies etc. and other places of assembly of the building in case of normal power failure.

ALARM SYSTEM:

1. Manually operated Electrical Fire Alarm System manual call points fitted with Hooters along with Public Address System at each floor connecting with visual panel board shall be made in Control Room. The Control Room shall be located at entrance of ground floor of the building, other requirements of the system shall be made conforming I.S. 2189-2010.



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