



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

Memo No.: FSR/211862506300015147

Date : 16-07-2025

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

To :
Mr. Himadri Guha, Constituted Attorney Of Saswati Mukherjee, Prerona Mukherjee And Procheta Mukherjee Olson
Mitra Guha Associates, 10, Amita Ghosh Road, Kolkata - 700029

Sub: Fire Safety Recommendation for proposed construction of G+VII storied building under group of Residential Building at R.S. Dag no. 2170 & 2171, R.S. Khatian no. 365, 364, 1393, 1288, L.R. Dag no. 2272 & 2273, L.R. Khatian no. 1674, 1046, 5998, Mouza Kusumba, J.L. no. 50, Holding no. 2459, Teghari, Ward no. 08, Dist. 24 Parganas South, P.S. (Old Sonarpur) New Narendrapur, under Rajpur Sonarpur Municipality, PIN 700103..

This is in reference to your AIN 211862506300015147 dated 18-Jun-2025 regarding Fire Safety Recommendation for proposed construction of G+VII storied building under group of Residential Building at R.S. Dag no. 2170 & 2171, R.S. Khatian no. 365, 364, 1393, 1288, L.R. Dag no. 2272 & 2273, L.R. Khatian no. 1674, 1046, 5998, Mouza Kusumba, J.L. no. 50, Holding no. 2459, Teghari, Ward no. 08, Dist. 24 Parganas South, P.S. (Old Sonarpur) New Narendrapur, under Rajpur Sonarpur Municipality, PIN 700103.

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 :

FSR with condition that, one staircase to be provided with cross ventilation.

A. CONSTRUCTION:

1. The whole construction of the proposed building shall be carried out as per approved plan drawings



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conforming the relevant building rules of local Municipal Body.

2. The interior finish decoration of the buildings shall be made of low flame spread materials conforming to I.S. specifications.

3. Provision of ventilation at the crown of the central core-duct of the buildings shall be provided.

4. Arrangements shall have to be made for sealing all the vertical & horizontal ducts by the materials of adequate Fire resisting capacity & the doors of service ducts / shafts of 2hr. Fire rating.

B. OPEN SPACE & APPROACH:

1. The open spaces surrounding the building shall conform the relevant buildings rules as well as permit the accessibility and manoeuvrability of Fire Appliances with turning facility.

2. The approach road shall be sufficiently strong to withstand the 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 5.0 and 5.5 M respecting abutting the road.

C. STAIRCASE:

1. The staircase of the building shall be enclosed type. Entire construction shall be made of bricks / RCC 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 Staircase shall have to be made as shown in the plan. Corridors and the exit doors shall conforming the relevant building rules.

4. Considering the staircases are only means of evacuation, emergency lighting arrangement directional, exit, sign etc. shall be made conforming the relevant I.S. Code in this regards.

D. LIFT:

1. The walls of the lift enclosure of the building shall be at least two hours FIRE resisting type.

2. All the lifts of the building shall be designed as high speed "FIRE LIFT" and shall be conspicuously indicated / marked.

3. The Electric power shall be from separate supply mains in the building and cables run with in the lift shafts, light, supply on emergency in case of failure of normal power supply lift shall automatically trip over alternate power supply.

4. Collapsible gate shall not be permitted.

5. In case of failure of normal electric supply, it shall automatically trip of alternate supply and also shall have manually operated change over facility. Alternatively, the lift shall be so wired that in case of power failure, it comes down at ground level stands still with door open.

E. FIRE FIGHTING WATER :

Under Ground Water Reservoir of 30,000ltr. capacity & Over Head Water Reservoir of 25,000 ltrs capacity exclusively for firefighting purpose with replenishing arrangements @2000ltrs/min. preferably from two different sources of water shall have to be provided. The water reservoirs shall have overflow arrangement with the domestic water reservoir as well as to prevent stagnancy of water. The water reservoirs shall be kept full at all time.

F. WATER LAYOUT SYSTEM:

1. The building shall be provided with 100 mm internal dia pipe line down comer system at every 1000sq. mtr. with hose reel hose, landing valve and other necessary accessories connected to terrace tank through the terrace pump of 900LPM capacity.

2. One same capacitated stand-by pump shall have to be provided. The system shall be so designed that shall be kept charged with Water all the time under pressure and shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 – 1989.

3. Provision of two numbers Hydrant point with one number Fire Service Inlet shall be installed at the ground level of the building in accordance with relevant I.S. specification.

G. 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. Electrical distribution system shall conform all the requirements as laid in I. S. 1646-1982.

3. The electrical installation shall be adequately protected with automatic CO2/D.C.P.

4. All electrical installation viz. Transformer Switch Gear L. T., H. T. rooms shall be protected with both auto detection and suppression systems as per suitability.



5. Alternative Power Supply :

Arrangements shall have to be made to supply power with the help of a generator to operate atleast the Fire Pumps, Pump for deep Tube-well, Fire Alarm System, lifts, etc. and also for illuminating the Staircase, corridors etc. and other places of assembly of the building incase of normal power failure.

H. Detection and Alarm System:

1. Manually operated Electrical Fire Alarm system with at least one number of break glass type call boxes fitted with Hooters shall be made in Control Room in the entire occupancy. The Control Room shall be located at the entrance of Ground Floor of the occupancy, other requirements of the system shall be made conforming I.S. 2189 – 1988.
2. Auto smoke detection system shall have to be provided in the Double Height Gymnasium & Community Hall at 1st floor level and also in the Double layer Car parking area at Ground floor level.

I. Sprinkler System:

Auto Sprinkler system shall have to be provided in the Double Height Gymnasium & Community Hall at 1st floor level and also in the Double layer Car parking area at Ground floor level.

J. FIRSTAID FIRE FIGHTING SYSTEM:

First Aid fire fighting arrangement in the style of placing suitable type and sufficient numbers of portable Fire Extinguishers, Fire buckets etc in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190-92.

K. GENERAL RECOMMENDATIONS:

1. Driveway shall have to be kept clear all the time for ease access of Fire Appliance. No parking is permitted in the Driveway.
2. Necessary sanction and approval for such construction and occupancy of this project must be obtained from competent authorities.
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 occupancy 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. The certificate has to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.

On compliance of all the above Fire and Life safety recommendations, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of 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 drawings, without obtaining prior permission from this office, this Fire Safety Recommendation will be treated as cancelled.



Signature Not Verified

Digitally Signed,
Name: ABHIJIT PANDEY
Date: 16-Jul-2025 18:22:41
Reason: D-Sign
Location: E-Dist 2.0

Director

West Bengal Fire & Emergency Services