



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

Memo No.: FSR/211862506300017493

Date : 26-11-2025

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

To :
Puja Builders
Kamduni more, Po. - Kamduni, Ps. - Rajarhat, Pin no. - 700135, Mouza - 189, Dag no.-712, Village - Khariberia.

Sub: Fire Safety Recommendation of a proposed 3 nos. G+IV storied Block-I, Block- II & Block-III under group Residential Building at R.S. Dag no. 1183 (Part), 1186, 1187, 1189(Part),1193,1194, at Mouza- Barhansh-Fartabad, J.L.No-47, Police Station- Narendrapur then Sonarpur, Dist- South 24 Parganas under Rajpur-Sonarpur Municipality, Ward No-28..

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This is in reference to your AIN 211862506300017493 dated 09-Sep-2025 regarding Fire Safety Recommendation of a proposed 3 nos. G+IV storied Block-I, Block- II & Block-III under group Residential Building at R.S. Dag no. 1183 (Part), 1186, 1187, 1189(Part),1193,1194, at Mouza- Barhansh-Fartabad, J.L.No-47, Police Station- Narendrapur then Sonarpur, Dist- South 24 Parganas under Rajpur-Sonarpur Municipality, Ward No-28.

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 :

CONSTRUCTION:

1. The whole construction of the existing building shall be carried out as per approved plan drawings conforming the relevant building rules of Local Municipal Authority.
2. The interior finish decoration of the building shall be made of low flame spread materials conforming to I.S. specifications.
3. Roof is used as a refugee area in case of an emergency and it should be clear open to sky for all



permanent or temporary structure will be allowed on the roof.

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.
2. The approach roads, internal road / driveway shall be sufficiently strong to withstand the load of Fire Engine weighing up to 45 M.T.
3. The width and height of the access gate into the premises shall not be less than 5M x 5.5 M (width & height) as shown in approved plan drawing.

STAIRCASE:

1. The width of the Staircase shall be made as shown in the plan. Corridors and the exit doors shall conform the relevant building rules with up to date amendments.
2. All the staircases shall be extended up to terrace of the building and shall be negotiable to each floor without entering any occupied area.

FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 50,000 L as marked in the plan & Over Head Water Reservoir above each Block having water capacity of 10,000 L as marked in the plan exclusively for Fire Fighting purpose with proper replenishment arrangements @ 1000 ltr /min shall 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.

FIRE PUMP

1. Provision of the Fire Pump of 1620 LPM capacity shall have to be provided to supply water at the rate-designed pressure and discharge into the Hydrant system.
2. One Stand By Diesel driven Fire Pump 1620 LPM capacity shall always be kept on stand-by.
3. Provision of Jockey Pump shall also have to be provided to keep the Water based systems under pressurized condition at all the time. All the pumps shall be incorporated with both manual and auto starting facilities.

WATER BASED SYSTEM:

1. The buildings shall be provided with Wet Riser cum Down comer of 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.m. of floor area. The system shall be so designed that shall be kept charged with Water all the time under pressure and capable to discharge 1620 lts/min. at the ground floor level outlet and minimum 900 lts/min. at the top most and furthest outlet. In both cases the running pressure shall not be less than 3.5 Kgs/Sq.cm. All other requirement shall conforming I.S. 3844 – 1989.
2. Provision for Hose Reel units on swivelling drum in conjunction with Wet Riser shall be made near each lading valves in each Tower.



3. Yard Hydrant / Ring Main Hydrant with provision of adequate numbers of Yard Hydrant shall be installed surrounding the buildings in accordance with relevant I.S. specifications.
4. Provision of three way collecting head for uses of Fire Services must be provided at the entrance of the premises.
5. Pressure gauge & Air release valve at the top of each riser will have to be provided.

Electrical Installation & Distribution:

- 1) The electrical installation including main & meters etc. and other electrical 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. 1946-1982.
- 2) The electrical installation shall be adequately protected with CO₂/ D.C.P. extinguishers.
- 3) Alternative power supply – Arrangements shall have to made to supply with the help of a generator to operate at least the Fire Pumps, Pump for deep tube well, Fire Alarm System, and also for illuminating the staircase, corridors etc. and other places of assembly of the building in case of normal power failure.

DETECTION AND ALARM SYSTEM:

1. Smoke detectors will have to be provided at the Community Hall.
2. Manually operated Electrical Fire Alarm system with adequate number of break glass types Manual Call Point fitted with Hooters, at each floor near every staircase connecting with visual panel board shall be provided at the entrance of Ground Floor of the building other requirement of the system shall be made conforming to I.S 2189-1988.
3. Hooters will be sounded in such a manner so that an operation of a Manual Call Point Hooter shall be sounded at all floors.

FIRST AID FIRE FIGHTING SYSTEM:

First Aid firefighting 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. 2190-92.

General Recommendations:

- 1) Necessary License will have to be obtained from the competent authority of this department for storing & processing with LPG cylinders and any others hazardous materials (if any).
- 2) Exit Sign, Fire Notice for fire fighting and evacuation from the building shall be prepared and be displayed at vulnerable places of the building.
- 3) A trained fireman shall be maintained round the clock for safety of the building.
- 4) Arrangement shall be made 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.
- 5) Mock fire practice and Evacuation drill shall be performed periodically with participation of all occupants of the building.

“Fire Safety Certificate” is to be obtained from the Director General, West Bengal Fire & Emergency



installation of the building.

N.B. : Any deviation and changes the nature of use of the building in respect to approved plan drawing , without obtaining prior permission from this office, this Fire Safety Recommendation will be treated as cancelled.

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Director

West Bengal Fire & Emergency Services

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