



Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services
Azad Hind Sarak, P.O.- Ghurni, P.S.- Kotwali, Pin :- 741103

Memo No.: FSR/211862506300018933

Date : 30-11-2025

From :
Divisional Fire Officer
Nadia Division
West Bengal Fire & Emergency Services

To :
Saptaparni Apartment
B-7/305,Block-B,Sub- Block-7,Kalyani,Nadia, Pin - 741235

Sub: Fire Safety Recommendation for a Proposed construction G+IV Storied Residential Flat under group of Residential Building in the name & style – Saptaparni Apartment, at the premises No. Plot No. B-7/305, Block-B, Sub-Block-7, Kalyani, PO:- Kalyani, PS:- Kalyani, Dist:- Nadia, Pin:- 741235, West Bengal..

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This is in reference to your AIN 211862506300018933 dated 23-Nov-2025 regarding Fire Safety Recommendation for a Proposed construction G+IV Storied Residential Flat under group of Residential Building in the name & style – Saptaparni Apartment, at the premises No. Plot No. B-7/305, Block-B, Sub-Block-7, Kalyani, PO:- Kalyani, PS:- Kalyani, Dist:- Nadia, Pin:- 741235, West Bengal.

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 :

(A) CONSTRUCTION:

1. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
2. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
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 shall confirm the relevant building rules as well as permit the accessibility and



2. The approach roads 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 4.5 Meter and 5 Meter 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. All the staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.

(D) FIRE FIGHTING WATER:

Under Ground Water reservoir Having Water Capacity at 10,000 Lts and Overhead reservoir of 10,000Lts. Capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000 Lts. /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.

(E) FIRE PUMP:

1. Provision of the Fire Pump shall have to be made to supply water at the rate designed pressure and discharge into the water based system, which shall be installed in the building. One such pump shall always be kept on Standby preferably be of diesel driven type.
2. Provision of Jockey Pump shall also have to be made to keep the Water based system under pressurised condition at all the time. All the pumps shall be incorporated with both manual and auto starting facilities. The suction of pumps shall preferably of positive type or in case of negative suction the system shall be Down comer with suitable terrace pump with overhead tank.

(F) HYDRANT SYSTEM:

1. The buildings shall be provided with Down comer of 100mm internal diameter pipe line with provision of adequate no. of landing valves at the staircase landing /half landings at the rate of one such riser for 1000sq.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 450lts./min. At the top most out let. In both cases the running pressure shall not be less than 3.5 Kgs/ sq cm. All other requirements shall conform I.S. Specification .
2. Provision for hose reel in conjunction with Down comer shall be made at each floor level confirming the relevant I.S specifications.
3. Provision of two way collecting head for uses of fire service must be provided at the entrance of the building.

(G) SPRINKLER INSTALLATION.

1. The automatic sprinkler installation shall be provided in all floorcorridor areas of the building as per I.S. Specification.

(H) 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.
2. The vertical ducts shall be supply sealed at alternative floor level.
3. The electrical installation shall be adequately protected with CO2/D.C.P.
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.

(I) DETECTION ALARM & SUPPRESSION SYSTEM:

1. Manually operated Electrical Fire Alarm system with at least three number of break glass type call boxes fitted with Hooters along with public address system, talk back system at each floor connecting with audio-visual panel board-visual panel board shall be made in Control Room. The Control Room shall be located at the entrance of Ground Floor of the building other requirements of the system shall be made conforming I.S. Specification.
2. Auto detection system with the help of Flint and smoke detector shall be installed in all places of below and preferably



(J)FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire fighting arrangement in the style of placing suitable type portable Fire extinguishers, Fire buckets, ceiling hook etc. In all floors and vulnerable locations of the premises shall be made in accordance with I.S. Specification.

(K)GENERAL RECOMMENDATIONS:

1. Fire License shall have to be obtained from the Licence section of the department for proposed storing and processing with L.P.G. and other highly combustible articles which come under the purview of Licence section.
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. 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.
4. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
5. Trained Security personal shall be maintained the Installed system round the clock for safety of the building.
6. Floor numbers and directional sign of escape route shall be displayed prominently.
7. In every three years a certificate is 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, Final 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 and Life safety Recommendation will be treated as cancelled. occupancy shall be issued on being satisfied with the tests and performances of safety aspects of installation of the building.

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West Bengal Fire & Emergency Services**