



Government of West Bengal

Office of the Divisional Fire Officer

West Bengal Fire & Emergency Services

First Floor of Duragapur Fire Station, Durgapur City Centre, P.O.:- Durgapur, P.S.:- Durgapur, Pin:- 713216

Memo No.: FSR/211862506300015188

Date : 30-07-2025

From :
Divisional Fire Officer
Paschim Bardhaman
West Bengal Fire & Emergency Services

To :
Plan Of Proposed (B+ G +9) Storied Residential Cum Commercial Building Of Mr. Anil Kumar Bose S/o Jagadish Bose, Mr. Bijay Prasad S/o Shyam Bihari Prasad, Mr. Swarup Das S/o Subal Chandra Das, Mr. Arup Das S/o Subal Chandra Das, Mrs. Niyati Rani Pandey C/o Krishna Kumar Pandey Mr. Jayanta Banerjee S/o Kshirod Banerjee, Mrs. Dulali Roy, C/o Sudhanshu Roy At Over R S Plot No-71, L R Plot No-271, 273, L. R Khatian No-507,788,1268,2573,2013,2014,2575, J L No- 109, Mouza- Shankarpur, P S- N T P S, Dist- Paschim Bardhaman , West Bengal

RS Plot No-71, LRPlot No-271,273,LR Kh No-507,788,1268,2573,2013,2014,2575, JLNo-109, Mouza-Shankarpur, PS-NTPS,

Sub: **Memo No.: FSR/211862506300015188**

Issuance of Fire Safety recommendations for the proposed construction of one B+G+9 storied Apartment building under group Residential in favour of 'Mr. Anil Kumar Bose S/o Jagadish Bose, Mr. Bijay Prasad S/o Shyam Bihari Prasad, Mr. Swarup Das S/o Subal Chandra Das, Mr. Arup Das S/o Subal Chandra Das, Mrs. Niyati Rani Pandey C/o Krishna Kumar Pandey Mr. Jayanta Banerjee S/o Kshirod Banerjee, Mrs. Dulali Roy, C/o Sudhanshu Roy', situated at the premises no: Over R S Plot No-71, L R Plot No-271, 273, L. R Khatian No-507,788,1268,2573,2013,2014,2575, J L No- 109, Mouza- Shankarpur, P S- N T P S, Dist- Paschim Bardhaman , PIN 713206, West Bengal..

This is in reference to your AIN 211862506300015188 dated 20-Jun-2025 regarding

Issuance of Fire Safety recommendations for the proposed construction of one B+G+9 storied Apartment building under group Residential in favour of 'Mr. Anil Kumar Bose S/o Jagadish Bose, Mr. Bijay Prasad S/o Shyam Bihari Prasad, Mr. Swarup Das S/o Subal Chandra Das, Mr. Arup Das S/o Subal Chandra Das, Mrs. Niyati Rani Pandey C/o Krishna Kumar Pandey Mr. Jayanta Banerjee S/o Kshirod Banerjee, Mrs. Dulali Roy, C/o Sudhanshu Roy', situated at the premises no: Over R S Plot No-71, L R Plot No-271, 273, L. R Khatian No- 507,788,1268,2573,2013,2014,2575, J L No- 109, Mouza- Shankarpur, P S- N T P S, Dist- Paschim



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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 whole construction of the proposed B+G+9 storied Residential buildings shall be carried out/fulfil in accordance with the relevant building rule i.e NBC and local authority.
- 2) The statutory open spaces surrounding the building as specified in the National Building Code and local municipalities building rules and regulations, shall be free from any obstruction, projection etc and shall be open to sky at all times.
- 3) The interior finishing decoration like wall, ceiling shall be made with low flame spread materials confirming relevant IS specification.
- 4) Opening in walls or floors, which are necessary to provided to allow passages of all building services like cables, electrical wirings, tele. Cables, plumbing pipes etc. Shall be protected by enclose in the form of ducts/shafts having a fire resistance not less than 2hrs. No gas piping, electrical panels shall be allowed in the stairway.
- 5) All electrical wiring shall be done in accordance with the National Electrical Code part-Viii.

(B) OPEN SPACE AND APPROACH

- 1) The approach road shall be sufficiently strong to withstand the load of Fire engine weighing min. 45M.T.
- 2) The width and height of the access gates into the premises shall not be less than 4.5 & 5 M. respectively.

(C) STAIR CASE AND LIFT

- 1) At least 2(two) no's exist(s) (min. Width 1.5m) or more in the form of door leading directly to the outside of the building or stairways shall be provided. All exits shall be free from obstruction.
- 2) 2 no's enclosed type internal stair case(min. Width 1.5m) as shown in the Plan Drawing, having minimum Fire resisting capacity not less than 2 hrs., shall be provided as remote from each other as possible. The FCD at the entrance of the all stair cases as well as Lift lobby enclosure having minimum Fire Resisting capacity shall be two hrs.
- 3) At least 1no stair case including Lift Lobby shall be arranged as **Fire Tower** with the facility of Fire Hydrant landing valve for delivery Hose, Hose Reel Hose, Fire Man talk back system etc.
- 4) Other staircase of the building shall have permanent vents at the top and openable sashes at each floor level in the external wall to ensure natural ventilation of the building.
- 5) All the stair cases shall be extended from ground level to terrace of the building and shall be negotiable to each other without entering into any room.
- 6) The wall of the lift enclosure shall be at least 2hrs. Fire Resisting type. Collapsible gate shall not be permitted.



- 7) All landing of floor shall have floor indicating board as well as illuminated exit sign with arrow indicating the way to the escape routes shall be provided at the suitable height from the floor level on the wall, which should comply with graphic requirements of the relevant Indian standard.
- 8) Staircase and Corridor lighting shall also be connected to alternative supply which may be provided battery continuously trickle charged from the electric main.
- 9) Rooms containing inflammable or other service equipment subject to possible explosion shall not be located directly under or adjacent of the building.

(D) BASEMENT

- 1) Basement and shall not be used for residential, Kitchen, storing of inflammable articles.
- 2) 1no ramp width 4m and slope not exceed 1:6 as shown in the Plan Drawing, shall be provided as remote from each other as possible leading directly to out side of the building.
- 3) The FCD at the entrance of the all stair cases in Basement as well as Lift lobby enclosure having minimum Fire Resisting capacity shall be two hrs.
- 4) Mechanical ventilation with independent air intake and smoke exhaust shafts for respective basement level and compartments shall be arranged. All supply air and exhaust air fans on respective levels shall be installed in fireresisting room of 120 min.
- 5) The smoke exhaust fans in the mechanical ventilation system shall be fire rated, that is,250°C for 120 min.

(E) FIRE FIGHTING WATER AND PUMP FOR INDIVIDUAL EVERY BLOCK

- 1) At least **25,000lts** water capacity **Over Head** water reservoir capacity25,000lts for every block for Fire Fighting purposes with replenishing arrangement @1000lts/min. preferably from two different sources of water supply shall be provided for fire fighting purpose. One electric main fire pump and one electric stand by pump discharge capacity 900lpm each,shall be provided to supply requisite water pressure in the fire hydrant system not less than 3.5kg/cm² at terrace level.
- 2) All fire pumps should be kept ready for automatic starting on a Fall-on-pressure mechanism and also for manual starting.

(F) HYDRANT SYSTEM

- 1) Down Comer (dia100mm) with facilities of instantaneous type coupling in out let of every half landing of all stair case shall be provided.
- 2) Provision of Hose Reel hoses conjunction with the Down comer (dia100mm),shall be arrange at the corridor of each floor level. The length and numbers of hose reel hoses should be such that no part of the protected floor is more than 6m. away from the nozzle, at the time of fully extended.
- 3) Car parking area of theBasement shall be protected with automatic sprinkler system.

(G) FIRST AID FIRE FIGHTING SYSTEM

- 1) At least 4nos ABC type, 1no Carbon dioxide type Fire Extinguisher, for every 600m² or part thereof shall be installed in suitable places of each floor.
- 2) The electrical installation like The electrical installation including transformers, switch gears, shall be adequately protected with CO₂ and ABC type fire suppression system.

(H) GENERAL RECOMMENDATION

- 1) Manually operated electrical fire alarm system with break glass type call boxes in regular interval in every floor and Smoke detector shall be installed in all mercantile areain the suitable place of each floors.



2) Alternative power supply with the help of Diesel Generator shall have to made to provide power to Fire pump, escape lighting, fire alarm etc. in case of normal power supply failure.

3) Air condition system centrally, if any, shall have to confirm NBC code and Electrical Rules.

a. The AHU shall be separated for each floor with the with the system of Auto Dampers for individuals floor.

b. Escape routes like staircases, common corridors, lift lobbies, shall not be used as return air passage.

c. The system of auto shut down of AHU shall be incorporated with the Auto detection and Alarm system.

d. The air handling unit room shall not be used for storage of combustible materials.

4) No storage or use of combustible materials of any kind shall be allowed in any part of the building except as necessary for day to day work.

5) Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.

6) A crew of trained fire fighting personnel shall be deployed round the clock.

7) Mock drill shall be conducted time to time with all occupants.

8) 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 good working condition at all times.

9) To eliminate fire hazards, good housekeeping, both inside and outside of the building, shall be strictly maintained regularly. Mock fire and evacuation drill shall be carried out periodically.

In compliance with all the above Fire and Life safety recommendations, The Director General, West Bengal Fire &Emergency Services may be approached for necessary inspection and testing of the installation, Final Fire Safety Certificate in favour of the occupancy shall be issued upon being satisfied with the tests and performances of safety aspects of installation of the building.

Any deviation and changes the nature of the use of the building in respect of submitted plan drawing, without obtaining prior permission from the office, the FSR shall be treated cancelled.

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