



Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services

Paschim Bardhaman Division, 1st Floor, Durgapur Fire Station Building, City Centre, Durgapur-16

Memo No.: FSR/211862506300014663

Date : 07-06-2025

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

To :
Sri. Vijay Agarwal & Sri. Chandraprakash Mishra.
Mouza: Benachity, Plot no. 1748, 1749, 1752, 1753, J.L no. 117, under D.M.C, P.S. Durgapur, Paschim Bardhaman, Pin- 713213.

Sub: Fire Safety Recommendation in respect of proposed construction of G+IV storied Residential building under group of Residential Occupancy of Sri Vijay Agarwal & Sri Chandraprakash Mishra, at the Premises/Holding No- R.S. Plot.No- 463, L.R. Plot No- 1748, 1749, 1752 & 1753, L.R. Khatian No.- 2531, 2539, 2602 & 2606, J.L No- 117, Mouza- Banachity, P.S- Durgapur, Dist-Paschim Bardhaman, Pin code- 713213. .

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This is in reference to your AIN 211862506300014663 dated 31-May-2025 regarding Fire Safety Recommendation in respect of proposed construction of G+IV storied Residential building under group of Residential Occupancy of Sri Vijay Agarwal & Sri Chandraprakash Mishra, at the Premises/Holding No- R.S. Plot.No- 463, L.R. Plot No- 1748, 1749, 1752 & 1753, L.R. Khatian No.- 2531, 2539, 2602 & 2606, J.L No- 117, Mouza- Banachity, P.S- Durgapur, Dist-Paschim Bardhaman, Pin code- 713213.

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 part:

1. The whole construction of the proposed building shall be carried out as per approved plan drawings confirming the relevant building rules of local municipal authority.
2. All the compartment walls up to ceiling level having at least two hours fire resisting capacity.
3. The interior finish decoration of the building shall be made low flame spread materials conforming IS specification.
4. Provision of ventilation at the crown of the central core duct of the building shall be Provided.



5. Arrangement shall have to be made for sealing all 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 maneuverability of Fire appliance to turning facility.
2. The approach roads shall be sufficiently to withstand the load of Fire Engine weighting up to 45 metric ton.
3. The width and height of the access gate into the premises shall not be less than 4.5 meters 5 meters respectively abutting the roads.
4. The driveway shall not be used as car parking.

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 width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conformed the relevant building rules.
3. All the staircase shall be extend up to terrace of the building.
4. Fire and smoke door at the entrance of all the staircase enclosures at each floor level shall be provided. The FCD shall be of at least one our fire resisting. Wire glass window fitted with self closing type open able in the direction of escape.

D) Lift:

1. The wall of the lift enclosure shall be at least Two hours fire resisting type. Collapsible gate shall not be permitted.
2. Fire and smoke door at the entrance of all the lift lobby enclosures at each floor level shall be provided. The FCD shall be of at least One hour fire resisting capacity.

E) Fire fighting water :

1. The capacity of underground and overhead water reservoirs exclusively for Fire Fighting operations shall be as shown in proposed plan drawing.
2. The fire water reservoir shall have overflow arrangement with the domestic reservoir to avert stagnancy of water.
3. Provision of necessary manhole shall be made on the top of the reservoir as per specification.
4. Provision of replenishment at the rate of at least 1000lts. /min. from two separate sources of water supplies shall be made.
5. The deep tube wells for the replenishment of the reservoir shall be incorporated with the auto starting facility with the actuation of auto detection and suppression arrangement of the premises and shall also be connected with dual power supply units.
6. Provision placing Fire Appliances on the underground water reservoir shall have to be made to draw water in case of emergency.

F) Hydrant system:

1. The building shall be provided with down comer of 100mm 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. In both cases the running pressure shall not be less that 3.5 Kgs/Cm². other requirements, all shall conform I.S. 3844-1989.
2. Provision for Hose Reel in conjunction with down comer shall be made at each floor level conforming the relevant I. S. Specifications Provision for down comer shall be made at each floor level conforming the relevant I. S. Specification.
3. 01 No hydrant point shall be provided at the strategic location in ground floor for parking lot conforming the relevant I.S specification.
4. Fire service inlet shall be installed on the entrance of the building.

G) Fire pump:

1. One main fire pump and one standby pump, of capacity 900 LPM shall be provided at the terrace tank and head of the pump will be such that 3.5 Kg/cm² pressure is available at the furthest/highest landing valve to be installed. Auto start facility should be incorporated in fire pump, conforming to the norms of National Building Code part-IV-fire and life safety.

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 1946-1982.

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:

Arrangement 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 and Suppression System:

1. Manually operated electrical fire alarm system with at least Three numbers of break glass type call boxes fitted with Hooters along with public address system, talk back system at each floor & store connecting with audio-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. 2189-1988.
2. Hooter will be sounded in such a manner so that an operation of a Detector or manual call point Hooters will be sounded on the same floor and immediate alternate floor.

J) Public Address System:

1. Public address system linked between all floors and control room shall have to be established.

K) Air conditioning system (If any):

1. The A.H.U. shall be separated for each floor with system Air Ducts for individual floors.
2. Arrangement shall be made for isolation at the strategic locations by incorporating auto damper in the air condition system.
3. The system of auto shut down of A.H.U. shall be incorporating with the auto detection and alarm system.
4. The air handling unit room shall not be used for storage of any combustible materials.

L) First Aid Fire Fighting System:

1. First Aid Fire fighting 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 – 1992.

M) General recommendation:

1. Fire License shall have to be obtained for proposed storage and processing of L.P.G. and other combustible articles, if any.
2. Fire notice for fire fighting and evacuation from the building shall be prepared and to be displayed at all vulnerable places.
3. Floor numbers and directional sign of escape route shall be displayed prominently.
4. The employees and security staff shall be well conversant with the installed fire fighting equipments of the building and to operate in the event of fire and testing.
5. 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.
6. A crew of trained Fireman shall be maintained round the clock for safety of the building.
7. Mock fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
8. Each year 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.

This shall be treated as Fire Safety Recommendation. 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 drawing, without obtaining prior permission from this office, this Fire safety recommendation will be treated as cancelled.



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Signature valid

Digitally Signed.
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Divisional Fire Officer

West Bengal Fire & Emergency Services

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