



**Government Of West Bengal**  
**Office Of The Divisional Fire Officer, Paschim Medinipur**  
**West Bengal Fire & Emergency Services**  
**Sepoy Bazar, P.O.:- Medinipur, P.S.:- Kotwali, Pin:- 721101**

Memo no.:FSR/0125186211500163

Date: 12-11-2021

**From:**

**Divisional Fire Officer, Paschim Medinipur**  
**West Bengal Fire & Emergency Services**

**To: THE 69, A Residentia Apartment of Partners 1) Sri Biswanath Ghosh and 2) Smt Mitali Ghosh**  
**Ward no. - 6, BIDHAN NAGAR, MIDNAPUR, PASCHIM MEDINIPUR.**

**Sub: Fire Safety Recommendation for Proposed LG+G+III storied Building name & style of THE 69, A Residential Apartment of partners 1) sri Biswanath Ghosh and 2) Smt. Mitali Ghosh under group of Residential Building at ward No.- 6, Bidhan nagar, Midnapur, Paschim Medinipur for fire safety measures.**

This is in reference to your application no. 0125186211500163 dated 11-10-2021 regarding the Fire Safety Recommendation for Proposed LG+G+III storied Building name & style of THE 69, A Residential Apartment of partners 1) sri Biswanath Ghosh and 2) Smt. Mitali Ghosh under group of Residential Building at ward No.- 6, Bidhan nagar, Midnapur, Paschim Medinipur for fire safety measures.

**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 is issuing Fire Safety Recommendation in favor of the aforesaid building subject to the compliance of the following fire safety measure.**

**Recommendation:**

**A.CONSTRUCTION :**

- 1.The whole construction of the existing building shall be carried out as per approved plan drawings conforming of the relevant building rules of local Panchyat Body.
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- 3.Provision of ventilation at the crown of the central core- duct of the building 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.

**B.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 with turning facility.
- 2.The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45M.T.
- 3.The width and height of the access gates into the premises shall not be less than 4.5M and 5M 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. The staircase shall be extended up to terrace of the building.
4. Fire and check door at the entrance of the Staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least one hour Fire resisting wire glass window fitted with self – closing type open able in the direction of escape.

#### D. LIFT (If Any):

The walls of the lift enclosure shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.

#### E. FIRE FIGHTING WATER:

Underground water reservoir having water capacity at 50000 ltrs. and over head reservoir of 10000ltrs. Capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000lts/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.

#### F. HYDRANT SYSTEM:

1. The building shall be provided with wet riser 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 mtrs. 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 900lts. /min at the top most outlets in both case the running pressure shall not be less than 3.5kgs./sq cm and one number standby pump at same capacity shall also be installed. The entire pump shall be incorporated with both manual and auto starting facilities. All other requirements shall conform I.S 3844-1989.
2. Provision for hose reel hose in conjunction with Wet Riser shall be made at each floor level conforming the relevant I.S specification.
3. Fire Service inlet shall be installed the building in accordance with relevant I.S. specifications.

#### G. SPRINKLER INSTALLATION:

The automatic Sprinkler installation shall be provided in Parking area as per I.S. 9972. Alarm gang to be incorporated along with the Sprinkler System.

#### H. AIR CONDITIONING SYSTEM : (If any)

Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Conditioning system.

#### I. 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 & horizontal electrical ducts shall be scaled at each floor level by fire resisting material.
3. The electrical installation shall be adequately protected with CO2/D.C.P. Fire Extinguisher.
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.

**J.DETECTION, ALARM AND SPPRESSION SYSTEM:**

1.Manually operated Electrical Fire Alarm system with at least adequate number of break glass type call boxes fitted with Hooters at each floor 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 Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.

3.Public address system & C.C Camera:

Public address system linked between all floors and control room shall have to be established including C.C. Camera to be installed for vigilance of every situation/incident.

**K.FIRST AID FIRE FIGHTING SYSTEM:**

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. 15683 with effect from January - 2012.

**L.GENERAL RECOMMENDATON:**

1.Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.

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.Floor numbers and directional sign of escape route shall be displayed prominently.

4.Open veranda is preferable for in case of Emergency evacuation if required.

5.The employees 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.A trained Fireman to be maintained round the clock for safety of the building.

8.Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.

On compliance of all the above Fire and Life safety recommendations, the Divisional Fire Officer, Paschim Medinipur Division, 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 recommendation will be treated as cancelled.

Signature valid

Signed by: TAPAS KUMAR BANERJEE  
Reason: Approved  
Location: West Bengal  
Date: 12-Nov-2021 16:01:40

Divisional Fire Officer, Paschim Medinipur  
West Bengal Fire & Emergency Services

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