



**Government Of West Bengal**  
**Office Of The Divisional Fire Officer, Paschim Bardhaman**  
**West Bengal Fire & Emergency Services**  
**Bhangakhuti, Purba Burdwan, P.O.:- Rajbati, Pin :- 713104**

Memo no.:FSR/0125186229100302

Date: 16-12-2022

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

**To: Sri Sumant Pratap Singh & Sri Pabitra Mandal.**

**Gopalpur, Asansol, Mouza Asansol, Plot no. R.S 665/939, 665/940, L.R 941, 942, Kh. no. 2566, 2567, J.L no. 10, P.S Asansol(S), Dist. Paschim Bardhaman.**

**Sub: Fire Safety recommendation for the Proposed construction of G + IV storied building under group Residential (Principal) occupancy, in favour of Sri Sumant Pratap Singh & Sri Pabitra Mandal., at the Premises/ Holding No- Mouza Asansol, RS Plot No- 665/939, 665/940, LR Plot No- 941, 942, Khatian No- 2566, 2567, JL No- 10, Ward No- Gopalpur, Asansol, PS- Asansol(S), Dist. Paschim Bardhaman, Pin-713301, under Asansol Municipal Corporation**

This is in reference to your application no. 0125186229100302 dated 17-10-2022 regarding the Fire Safety recommendation for the Proposed construction of G + IV storied building under group Residential (Principal) occupancy, in favour of Sri Sumant Pratap Singh & Sri Pabitra Mandal., at the Premises/ Holding No- Mouza Asansol, RS Plot No- 665/939, 665/940, LR Plot No- 941, 942, Khatian No- 2566, 2567, JL No- 10, Ward No- Gopalpur, Asansol, PS- Asansol(S), Dist. Paschim Bardhaman, Pin-713301, under Asansol Municipal Corporation

**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 proposed building shall be remained as per approved plan drawings conforming the relevant building rules of local Municipal 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 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.

- 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 have to be maintained as per approved plan drawing.
- 4.Internal passage way shall be maintained according to the approved plan all the Passage way should be kept clear for free access.

#### C.STAIRCASE:

- 1.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 openable sashes at each floor level in the external wall of the building.
- 3.The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conform the relevant building rules with up-to-date amendments.
- 4.The staircase shall be extended upto terrace of the building and shall be negotiable to each floor without entering any occupied area.

#### D.EXIT:

- 1.No exit door from any occupancy of any floor in a distance is not more than the distance as specified in N. B. C. Part -4, 2016. The travel distance to an exit from dead end of a corridor shall not exceed the respective provision of N. B. C. Part -4, 2016.
- 2.Exits shall be so arranged that at least two separate exits are available in every floor area. Exits shall be as remote from each other as practicable and so arranged that there shall be no pocket or dead end occurred in which occupants may trap.
- 3.Every exit door way shall open into an enclosed stairway or a horizontal exit of a corridor.

#### E.LIFT:

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

#### F.FIRE FIGHTING WATER :

Underground water reservoir of 30,000 ltrs capacity & Overhead reservoir of 15,000 ltrs. capacity exclusively for Firefighting purpose with replenishing arrangements @ 500 ltrs./min. Preferably from two different sources of water supply shall be provided. The water reservoir shall have overflow arrangement with the domestic water reservoir as well as to avoid stagnancy of water. The water reservoirs shall be kept full at all time.

#### G.HYDRANT SYSTEM:

- 1.The building shall be provided with 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 down comer 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 450 ltrs/ min. The running pressure shall not be less than 3.5 Kgs / cm<sup>2</sup> in any case.
- 2.Provision of standard Hose Reel Hose supplied from the overheard reservoir through Booster Pump shall have to be made, satisfy the code of I.S. 3844-1989.
- 3.One such terrace pump of equal capacity shall be installed as stand by fire pump.

4.Fire Service Inlet shall be installed near the entrance of the building.

#### 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 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 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 AND ALARM SYSTEM:

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

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

1.The A.H.U. shall be separated for each floor with the system Air Ducts for individual floors.

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

3.The system of auto shut down of A.H.U. shall be incorporated with the auto detection and alarm system.

4.The air handling units room shall not be used for storage of any combustible materials.

#### K. 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 – 1992.

#### L. GENERAL RECOMMENDATION:

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

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.The occupiers and security staff shall be conversant with installed Fire Fighting equipment's 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

equipment installed in the building to keep them in perfectly good working conditions at all times.

6.A 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 the building.

8.The Department of Fire & Emergency Services, Government of West Bengal, shall not take any responsibility in respect of any legal dispute if pending or arises about the title of land / property.

9.This Fire Safety Recommendation cannot be treated in any case of regularization of any unauthorized construction.

10.Accordingly, a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the Fire Safety arrangements and installation of the building.

On compliance of all the above Fire 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.

Signature valid

Digitally signed by SHYAM  
CHANDRA MONDAL  
Date: 2022.12.16 17:24:54 IST

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

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