



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/0125186229100194

Date: 19-07-2022

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

To: G4 RESIDENDIAL BUILDING OF ZAFRO INDUSTRIES PVT LTD.
R.S. PLOT NO.- 20546 20547 CORRESPONDING L.R. PLOT NO.- 27194, 27195 L.R. KH.NO.- 15581, 14456, 17324,
13662, 33046, MOUZA - ASANSOL MUNICIPALITY, J.L. NO. 20, L.R. PLOT NO.- 945,L.R. KH NO.- 5224,5225, 5226
5227 UNDER MOUZA - ASANSOL, J.L. NO.- 35, P.S.- ASANSOL,DIST.- PASCHIM BARDHAMAN,UNDER-AMC.

Sub: Issuance of Fire safety Certificate of a G+4 storied residential establishment over RS. Plot No.- 20546 20547,
LR. Plot no.- 27194, 27195, LR. Khatian No.- 15581, 14456, 17324, 13662, 33046, JL NO. 35, under Mouza - Asansol,
PS - Asansol, Dist - Paschim Burdhaman(under AMC) Which Name in Style - G4 RESIDENDIAL BUILDING OF
ZAFRO INDUSTRIES PVT LTD.

This is in reference to your application no. 0125186229100194 dated 15-07-2022 regarding the Issuance of Fire safety Certificate of a G+4 storied residential establishment over RS. Plot No.- 20546 20547, LR. Plot no.- 27194, 27195, LR. Khatian No.- 15581, 14456, 17324, 13662, 33046, JL NO. 35, under Mouza - Asansol, PS - Asansol, Dist - Paschim Burdhaman(under AMC) Which Name in Style - G4 RESIDENDIAL BUILDING OF ZAFRO INDUSTRIES PVT LTD.

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 the relevant building rules of local Municipal Body /Local authority.
- 2.The floor area exceeds 750m² shall be suitably compartmented by separation 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 I.S. specifications.
4. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
5. 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 approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45 M.T.

2. The width and height of the access gates into the premises shall not be less than 4.5M and 5 M 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 width of the staircases shall be made as marked in the plan. Corridors and the exit Doors shall conforming the relevant Building Rules as well as rules of the Cinematograph Act.With up-to- date amendments.

4.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 10,000Lts Overhead reservoir of 20,000Lts. 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)HYDRANT SYSTEM:

1.Provision for Hose Reel in conjunction with Wet Riser cumdown comer supplied water from over head reservoir through booster pump of 900 L.P.M shall be made at each floor level. Conforming the relevant I.S. Specifications.

2. Yard Hydrant with provision of one Hydrant with one fire service inlet shall be installed surrounding the building in accordance with relevant I.S. Specification.

(F)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. or Medium Velocity / Projector system.

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.

(G)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 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.

4. Hotter will be sounded in such a manner so that an operation of a Detector or Manual call point Hooters will sounded on the same floor and immediate alternate floor.

5. Public Address System:

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

(H)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. 2190-1992.

(I)GENERAL RECOMMENDATIONS:

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. 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.
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 perfectly good working conditions at all times.
6. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
7. 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.

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 N.O.C. 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.

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

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