



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/211862406300003640

Date : 30-08-2024

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

**To :
Proposed G+4 Storied Residential Building Of Kalpana Roy, (developed By Kedarnath Construction).
R.S Plot no.4931, L.R Plot no.3757, L.R Kh no. 1599, J.L no.85, Mouza Gopinathpur, P.S Faridpur, Dist. Paschim
Bardhaman**

**Sub: Fire Safety Recommendation for the Proposed construction of G+IV Storied Building under group
Residential occupancy infavour of Mrs. Kalpana Roy, at, Mouza - Gopinathpur, Karangapara, R.S plot no. 4931,
L.R Plot no. 3757, L.R Kh. no. 1599, J.L no. 85, Holding no. 951/N, Ward no. 30, Under D.M.C, P.S Coke Oven, Dist.
Paschim Bardhaman, Pin - 713201.**

This is in reference to your AIN 211862406300003640 dated 19-Jul-2024 regarding Fire Safety Recommendation for the Proposed construction of G+IV Storied Building under group Residential occupancy infavour of Mrs. Kalpana Roy, at, Mouza - Gopinathpur, Karangapara, R.S plot no. 4931, L.R Plot no. 3757, L.R Kh. no. 1599, J.L no. 85, Holding no. 951/N, Ward no. 30, Under D.M.C, P.S Coke Oven, Dist. Paschim Bardhaman, Pin - 713201.

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 :

CONSTRUCTION:

1. The whole construction of the proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of Local body.
2. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
3. Arrangements shall have to be made for sealing all the vertical & horizontal ducts by the materials of



adequate Fire resisting capacity.

OPEN SPACE & APPROACH:

4. The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and manoeuvrability of Fire appliance.
5. The approach roads, internal road / driveway shall be sufficiently strong to withstand the load of Fire Engine weighing up to 45 M.T.
6. The width of access gates into the premises shall not be less than 5M without any Height bar from the abutting road.
7. Internal passage way shall be maintained according to the approved plan all the Passage way should be kept clear for free access.

STAIRCASE:

8. The staircases of the building shall be enclosed type as shown. Entire construction shall be made of bricks/ R.C.C type having Fire resisting capacity not less than 2 hours.
9. The Staircases of the building shall have permanent vents at the top and openable sashes at each floor level in the external wall of the building.
10. 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.

Lift:

11. The walls of the lift enclosure of the buildings shall be at least two hours FIRE resisting type and the lift lobbies and shafts shall be pressurized as per existing norms and provision of NBC Part IV, 2016.
12. Collapsible gate shall not be permitted.
13. In case of failure of normal electric supply, it shall be driven by alternative power supply. The lift shall be so wired that in case of power failure, it will stop at the nearest floor level keeping the door open.
14. All other requirements shall conform relevant I.S. specification including the communication facility in the lift cars which shall be connected with the Fire Control Room of the building.

FIRE FIGHTING WATER:

15. Overhead reservoir having water capacity of 25000 ltr. each as marked in the plan, exclusively for Fire Fighting purpose with replenishing arrangements @ 1000 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 reservoir shall be kept full at all time.
17. The deep tube wells for the replenishment of the reservoirs shall be incorporated with auto starting facility with actuation of auto detection and suppression arrangement of the premises and shall also be connected with dual power supply units.

WATER LAYOUT SYSTEM:

19. 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. Ground floor mercantile area shall be protected with Automatic Sprinkler System conforming to I.S. 3844-1989.
20. Provision of two-way collecting head for uses of Fire Services must be provided at the entrance of the building.

FIRE PUMP:

21. Provision of the Fire Pump (900 LPM) at terrace shall have to be made to supply water at the rate-designed pressure and discharge into the Water based system, which shall be installed in the respective pump room. One St.by pump same capacity shall be installed in the respective pump room.

DETECTION & ALARM SYSTEM:

28. Manually Operated Electrical Fire Alarm System of break glass type call boxes fitted with Hooters System connecting with visual panel board after 30 Mt. interval gap maintained. The visual panel board shall be provided at entrance of both workshop.
30. Hooter will be sounded in such a manner so that an operation of a Beam Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.
31. The suppression system shall be made with Fire Extinguisher in computer, D.G. area, Fire Pump Room area.
32. Close Circuit T.V. shall have to be provided inside and outside for the entire premises of the both buildings.

ELECTRICAL INSTALLATION & DISTRIBUTION:

22. The electrical installation including transformers , Switch Gears, L. T., H. T. Rooms, panel rooms , 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.

23. Electrical distribution system of the building shall be made in the form of concealed wiring or in heavy gauge M.S. conduit continuously bonded to earth. Cables shall be I.S. marked and be of F.R.L.S. categories.

24. The vertical & horizontal ducts shall be sealed at all floor level by approved fire resisting materials.

25. The electrical installation shall be adequately protected with automatic fire detection and suppression system as per provision of N. B. C. Part– IV, 2016 and relevant I. S. specification.

Alternative Power Supply:

26. Arrangements shall have to be made to supply power with the help of a DG Set to operate at least the Fire Pump, Pump for deep Tube-well, Fire Detection and Alarm System, signage etc. and also for illuminating the Staircases, corridors etc. and other places of assembly of the building in case of normal power failure.

FIRST AID FIRE FIGHTING SYSTEM:

27. 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.

GENERAL RECOMMENDATIONS:

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

29. Necessary sanction and approval for such construction and occupancy of this project must be obtained from competent authorities.

30. Lightning arrestor shall have to be installed as per existing norms and relevant IS specification.

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

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

33. 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.

34. 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.

35. This Fire Safety Recommendation cannot be treated in any case of regularizations of any unauthorized construction.

36. The management of the organization / building, as the case may be, shall maintain the fire prevention and safety measures in good repair and in efficient condition at all the times, which are installed in the building for use at the time of fire or other emergencies.

37. A trained Fireman shall be maintained round the clock for safety of the building.

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

39. 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 fire & life safety aspects of the buildings.

40. N.B. Any deviation and changes the nature of use of the building in respect of approved plan drawing, without obtaining prior permission from this office, this Fire Safety Recommendation will be treated as cancelled.



Signature Not Verified

Digitally Signed.
Name: RATAN KUMAR HALDER
Date: 30-Aug-2024 11:31:16
Reason: D-Sign
Location: E-Dist 2.0

Divisional Fire Officer

West Bengal Fire & Emergency Services