



Government Of West Bengal
Office Of The Divisional Fire Officer,Purulia
West Bengal Fire & Emergency Services
Purulia Fire Station, Ranchi Road,Purulia, Pin:- 723101

Memo no.:FSR/0125186231600168

Date: 15-12-2023

From:

Divisional Fire Officer,Purulia
West Bengal Fire & Emergency Services

To: MAMATA APARTMENT Constructed by M/S, B.B Construction, Proprietor,Basuprada Banerjee Holding No-1015/16, North Lake Road Bye Lane, Ward No-3 under Purulia Municipality, PO-Purulia, Plot No-3854(P), L.R Kh No-4341,4342 4343 (RS Kh No-1086), J.L No-66,under Mouza-Raghabpur, PS-Purulia(Town), Dist-Purulia, Pin-723101(WB)

Sub: Fire Safety Recommendation for the occupancy of proposed construction of G+3 Storied Residential Mamata Apartment under group Residential in favour of Proprietors Sandhyasree Chakraborty (Bhattacharyya) & Rupa Mukherjee, within Holding No: 1015/16, North Lake Road Bye Lane, Ward No:3, under Purulia Municipality, P.O: Purulia, Plot No: 3854(P), R.S. Khata No: 1086 & L.R. Kh. No: 4341, 4342 & 4343, J.L. No:66, Mouza: Raghabpur, P.S: Purulia Town, Dist: Purulia, Pin: -723101.

This is in reference to your application no. 0125186231600168 dated 10-12-2023 regarding the Fire Safety Recommendation for the occupancy of proposed construction of G+3 Storied Residential Mamata Apartment under group Residential in favour of Proprietors Sandhyasree Chakraborty (Bhattacharyya) & Rupa Mukherjee, within Holding No: 1015/16, North Lake Road Bye Lane, Ward No:3, under Purulia Municipality, P.O: Purulia, Plot No: 3854(P), R.S. Khata No: 1086 & L.R. Kh. No: 4341, 4342 & 4343, J.L. No:66, Mouza: Raghabpur, P.S: Purulia Town, Dist: Purulia, Pin: -723101.

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.Whole Construction of the building shall be carried out as per the approved plan of the local building authority.
- 2.Materials for rapid flame spread categories including untreated wood fibreboard etc. shall be not used.
- 3.The doors and windows preferably shall be made of metal.
- 4.The whole construction of the building shall be carried out as per approved plan drawings conforming to the relevant building rules of the local Municipal Body.
- 5.The interior finish decoration of the building shall be made with materials with the low flame spread and low smoke and toxic gas generating categories conforming to I.S. Specification.

6. Arrangements shall have made for sealing all the vertical service ducts with materials of adequate Fire resisting capacity.
7. Fire rating test certificate of all interior finish decoration should be submitted to this office before taking occupancy.
8. Service Ducts and shafts should be enclosed by walls of 2 hours and doors of one-hour fire rating.
9. All such ducts shall be properly sealed, and the fire stopped at all floor levels.

B. OPEN SPACE & APPROACH:

1. The open space surrounding the building shall be kept clear and open to the sky and shall confirm the relevant building rules as well as permit the easy accessibility and manoeuvre ability of the Fire appliances with a turning facility.
2. The approach road and roads surrounding the building shall be sufficiently strong to withstand a load of a Fire Engine weighing up to 45 M.T.
3. The width and height of the entry gates to the premises shall not be less than 5m and 6m respectively.
4. Driveway should be free of any type of obstruction. No parking will be allowed on the Driveway.

C. STAIRCASE:

1. The staircase of the building shall be enclosed type; entire construction shall be made of brick / R.C.C. type having Fire resisting capacity not less than 4 hours respectively marked in the plan.
2. The staircases shall have permanent vents at the top equal to 5% of the cross-sectional area of the staircase's enclosures and openable sashes at each floor level equal to 15% of the said cross-section shall have to be provided in the external wall of the building.
3. All the staircases of the building shall be negotiable to each other on each floor without entering into any room and shall be extended up to the respective terrace.
4. All principal staircases shall not be permitted from the Basement.
5. If provided then STAIR & stair Lobbies from the basement to the top floor shall be pressurized
6. The roof of the wall shall be 1M above the surrounding roof area.
7. The width of the staircases and corridors and the travel distance of different categories of occupancies shall have to conform to the relevant building rules.
8. Fire and Smoke check doors at the entrances of the Staircase enclosures at each floor level shall be provided AS PER SUITABLE.
9. The F.C.D. shall be at least two-hour Fire resisting wire glass window fitted with a self-closing type openable in the direction of escape.
10. Considering the staircases are the only means of evacuation, emergency lighting arrangement directional, exit, sign, etc. shall be made conforming to the relevant I.S. Code in this regard.

D. LIFT: -

1. The walls of the lift enclosure of the building shall be at least two hours FIRE resisting type respectively marked in the plan with the event at the top of the area not less than 0.2m².
2. The lift of the building shall be designed at high speed "Fire lift" and conspicuously indicated marked in the plan.
3. One of the lift cars of the building shall be large enough to accommodate standard Ambulance stretchers and Medical Attendants.
4. The electric power shall be from separate supply mains in the building and cables run with the lift shafts, lights, and fans in the lift cars shall be operated from 24 volts, supplied in an emergency in case of failure of normal power supply lift shall automatically trip over alternate supply.
5. Exit doors of the lift lobby shall be through a self-closing smoke stop door of 1-hour fire resistance.
6. The speed of the fire lifts in the building shall be such that they can reach the top from the ground floor within 1-minute visual indications of floor numbers shall be incorporated in the lift cars.
7. All other requirements shall confirm the I.S. specification including the communication facility in the lift cars connecting to the Fire Control Room of the building.
8. Lift car door shall have a fire-resistance rating of half an hour.
9. The words fire lift shall be conspicuously displayed in florescent paint on the lift landing doors at each floor level.

10. A positive pressure of 25-30 pa. Shall be maintained inside the lobby. Pressurization shall be maintained around the clock.

E. FIRE FIGHTING WATER:

1. Underground water reservoirs having a total water capacity of not less than 20000 ltrs Exclusively for this fighting purpose shall be provided.
2. Overhead reservoirs of not less than 10000 ltrs. Shown/ marked in the plan drawings exclusively for firefighting purpose shall be kept full at all times.
3. The water reservoirs manhole shall have an overflow arrangement with the domestic water reservoirs as well to avoid stagnancy of water.
4. Provision of necessary manhole shall be made on the top of these reservoirs as per specification.
5. Provision of replenishment at the rate of at least 2000 ltrs/min. from two separate sources of water supply shall be made.
6. 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.
7. Provision of placing Fire Appliances near the underground water reservoir to be made to draw water in case of emergency.

F. FIRE PUMP:

1. Provision of Fire Pump of 2850 LPM 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.
2. One such pump of same capacity shall always be kept on stand-by of diesel driven type.
3. Provision of separate pump 2850 LPM for sprinkler system to be made to keep the water base system under pressurized condition at all the time and shall be installed.
4. Provision of separate Jockey Pumps of 180 LPM shall also have to be made to keep the water-based suppression systems i.e. hydrant and sprinkler system separately under pressurized condition at all the time.
5. All the pumps shall be incorporated with both manual and auto starting facilities.
6. The suction of pumps shall preferably of positive type or in case of negative suction the system shall be wet riser-cum down comer with suitable terrace pump with overhead tank.

G. 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. Disposable Type B.A Musk to be kept always for emergency fire situation.
 4. Floor numbers and directional sign, showing the nearest exit, refuge area, and fire points etc. shall have photo luminescent signals at each floor of the building shall be made available conforming I.S. specification.
 5. The employees and security staff shall be conversant with installed Fire Fighting equipment 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 equipment installed in the building to keep them in perfectly good working conditions at all times.
 7. A crew of trained Fireman under the experienced Officer shall 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.
 9. Fire License shall have to be obtained from this Department after compliance of the above Safety Recommendations before commissioning of the Gas Bank.
 10. The 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 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.
Name: PLABAN MOHAMMAD
Date: 15-Dec-2023 10:51:32
Reason: Approved
Location: West Bengal

Divisional Fire Officer Purulia Division.,Purulia
West Bengal Fire & Emergency Services

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