



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/0125186231500275

Date: 21-10-2023

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

To: ANANDA GOPAL MAITY AND SWETA PAL MAITY
MOUZA, KERANITOLA, RABINDRANAGAR, J.L. NO 171, L.R. PLOT NO 321 (PART), SUB PLOT NO - A,B,C,D, E, F, H,J, HOLDING NO - 953, P.S.- MIDNAPUR, DIST.- PASCHIM MEDINIPUR. -

Sub: Fire Safety Recommendation for proposed construction B+G+V Residential Building (which basement area is below 200 sq. mtrs. & total height of building is below 20mtrs.) under group of Residential Building as per NBC Part IV, in the name of 1) Ananda Gopal Maity S/O of Late Anil Kumar Maity and 2) Sweta Pal Maity W/O Ananda Gopal Maity at Rabindra Nagar, P.O.+P.S.-Midnapore, Dist.- Paschim Medinipur in Mouza – Keranitola, J.L. No.-171, in R.S. Plot No.-321 (Part), L.R. Plot No.-321 (Part), Sub Plot No.-A,B,C,D,E,F,H,J, Holding No.-953, Ward No.-06, Street- Rabindranagar, P.S.-Midnapore, Dist.-Paschim Medinipur under Midnapore Municipality, PIN – 721101 for fire & Life safety measures.

This is in reference to your application no. 0125186231500275 dated 07-09-2023 regarding the Fire Safety Recommendation for proposed construction B+G+V Residential Building (which basement area is below 200 sq. mtrs. & total height of building is below 20mtrs.) under group of Residential Building as per NBC Part IV, in the name of 1) Ananda Gopal Maity S/O of Late Anil Kumar Maity and 2) Sweta Pal Maity W/O Ananda Gopal Maity at Rabindra Nagar, P.O.+P.S.-Midnapore, Dist.- Paschim Medinipur in Mouza – Keranitola, J.L. No.-171, in R.S. Plot No.-321 (Part), L.R. Plot No.-321 (Part), Sub Plot No.-A,B,C,D,E,F,H,J, Holding No.-953, Ward No.-06, Street- Rabindranagar, P.S.-Midnapore, Dist.- Paschim Medinipur under Midnapore Municipality, PIN – 721101 for fire & Life 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:

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 Panchayet/Municipal 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 ducts by the materials of adequate Fire resisting capacity.

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 45 M.T.
- 3.The width and height of the access gates into the premises shall not be less than 4.5 – 5 M respecting abutting the road.

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 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 conforming the relevant building rules and well as rules of the cinematograph Act. With up-to-date amendments.
- 4.The entire staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.
- 5.Fire and smoke doors at the entrances of all 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.
- 6.

LIFT:

- 1.The walls of the lift enclosure shall be at least two hours Fire Resisting type.
- 2.Collapsible gate shall not be permitted.
- 3.The walls of the lift enclosure shall be at least two hours fire resisting type. Collapsible gate shall not be permitted. 2.One of the lifts shall be designed for Fire Lift. The word "FIRE LIFT" shall conspicuously be written at ground floor.

EXIT:

- 1.All exit ways shall be properly displayed with exit signage. No display of exhibit shall be installed or operated as to interfere in any way with access to any required exits or with any required exit sign.
- 2.All displays of exhibits of combustible material or construction and all booths and temporary construction in connection with there shall be so limited in combustibility or protected as to avoid any undue hazard of fire which might endanger occupants before they have opportunity to use the available exits as determined by the authority.
- 3.All exits shall be either lead to final exits or must be a point of entry to protected route.

BASEMENT:

- 1.The basement shall be adequately ventilated.
- 2.Additional staircase from the open air as shown in the drawing shall be constructed beside the ramps conforming relevant I.S. specification.
- 3.The basement shall be protected with auto sprinklers system/hose reel system etc.

Fire Fighting Water:

Underground water reservoir having water capacity at 30,000 Ltrs. and overhead reservoir of 20,000 Ltrs. capacity exclusively for Fire-fighting purpose with replenishing arrangements @ 1000 lts./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.

Hydrant System:

Provision of standard Hose Reel Hose supplied from the overhead reservoir through 10 H.P. booster pump with auto driven mode shall have to be made in all the floor of the building satisfy the code of I.S. 3844-1989. One such pump shall always be kept on standby.

SPRINKLER INSTALLATION :

The automatic Sprinkler installation shall be provided in the Basement and internal corridor as per I.S. 9972. Alarm gang to be incorporated along with the sprinkler system.

Electrical:

- 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.

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.

Detection System:

- 1.Manually operated Electrical Fire Alarm system with at least one number of break glass type call boxes fitted with Hooters 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.
- 2.Auto fire detection system with the help of smoke detector shall be installed in stair lobby and basement of the building. The other requirements of the system shall be made in accordance with I.S. 2189-1988.
- 3.Hooters will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sound on the same floor and immediate alternate floor.

Public Address System:

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

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.

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.

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 equipment's 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.This shall be tested as provisional N.O.C. 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, 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 provisional N.O.C. will be treated as cancelled.

Signature valid

Digitally Signed.
Name: Bam Kurni Choudhury
Date: 21-Oct-2023 09:28
Reason: Approved
Location: West Bengal

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

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