



Government Of West Bengal
Office Of The Director General
West Bengal Fire & Emergency Services
13D, Mirza Ghalib Street, Kolkata - 16

Memo no.:FSR/0125186229100181

Date: 06-03-2023

From:
Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services

To: Sri Achyut Mukherjee
3 Nos (Block-1, 2 and 3) of G 5 storied residential building of Sri Achyut Mukherjee, Apurba Mukherjee, and Snehangshu Mukhopadhyay developed by N.N.Construction over L.R.Plot No-5501,5502,5525, Kh.No.-1936,2424,10389,10390,7291, Mouza-Bhiringhi, J.L.No.119, P.S.-Durgapur, Paschim Bardhaman

Sub: Fire Safety Recommendation for proposed construction of 3 Nos. Block termed as Block – 1, 2, & 3 comprising of G+V storied each under group Residential Building at L.R. Plot No. – 5501, 5502, 5524, 5525, Khatian No. – 1936, 2424, 7291, Mouza – Bhiringee, J.L. No. 119, P.S. Durgapur, Dist- PaschimBurdwan, Holding No. 32/1, Assessment No. 3309401073932, Circle/Ward No. 19, Address – RD- 24, Village Bhiringi DGP- 13, PaschimBardhman, Pin- 713213.

This is in reference to your application no. 0125186229100181 dated 30-11-2022 regarding the Fire Safety Recommendation for proposed construction of 3 Nos. Block termed as Block – 1, 2, & 3 comprising of G+V storied each under group Residential Building at L.R. Plot No. – 5501, 5502, 5524, 5525, Khatian No. – 1936, 2424, 7291, Mouza – Bhiringee, J.L. No. 119, P.S. Durgapur, Dist- PaschimBurdwan, Holding No. 32/1, Assessment No. 3309401073932, Circle/Ward No. 19, Address – RD- 24, Village Bhiringi DGP- 13, PaschimBardhman, Pin- 713213.

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 buildings shall be carried out 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 relevant 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 made for sealing all the vertical&horizontal ducts by the materials of adequate Fire resisting capacity.

OPEN SPACE & APPROCH:

1. The open spaces surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire Appliances with turning facility.
2. The approach roads shall be sufficiently strong to withstand the load of Fire Engine Weighing up to 20 M.T.
3. The width and height of the access gates into the premises shall not less than 4.5Mt. X 5.0 Mt. of respecting abutting the road.
4. All around the driveway should be kept clear for free access.

C. STAIRCASE:

1. The staircase of the buildings shall be made of bricks / R.C.C type having Fire resisting capacity not less than 2 hours.
2. The Staircase of the buildings shall have permanent vents at the top and openable sashes at the each floor level in the external wall of the building.
3. The width of the staircases shall be made as shown/marked in the plan. Exit doors shall conforming the relevant building rules with up-to-date amendments.
4. Fire and smoke doors at the entrances of all the Staircase enclosures as marked in the plan at each floor level in each block shall be provided. The F.C.D. shall be of at least two hour Fire resisting wire glass window fitted with self-closing type openable in the direction of escape.
5. All the staircases in each block shall be extended up to terrace of the buildings and shall be negotiable to each other without entering into any occupied area.

D. LIFT:

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

E. FIRE FIGHTING WATER:

Underground reservoir of 1,00,000 Lt. capacity for firefighting purpose for the buildings and Overhead reservoir of 10,000 Lt. capacity for each block exclusively for Firefighting purpose with replenishing arrangements @ 1000 Lt/min. preferably from two different sources of water supply shall be provided. The water reservoir shall be kept full at all time and the Fire Water Reservoir shall have overflow arrangement with the domestic Water Reservoir to avoid stagnancy of water.

F. HYDRANT SYSTEM:

1. The building shall be provided with Wet Riser of 100 m.m. internal diameter pipe line with provision of landing valves at the staircase landings/half landings at the rate of one such riser 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 1620 Lt/min. at the ground floor level outlet and minimum 900 Lt./min. at the top most outlet. In both cases the running pressure shall not be less than 3.5 Kg/cm². All other requirements shall conform I.S. 3844-1989.
2. Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level conforming the relevant I.S. specifications.
3. Yard Hydrant with provision of minimum two numbers Hydrant with adequate number of Fire Service inlet shall be installed inside the building premises in accordance with relevant I.S. specification.

G. FIRE PUMP :

1. Provision of the Fire Pump 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 building. One such pump shall always be kept on Stand-By, preferably be of diesel driven type.
2. Provision of the Jockey Pump shall also have to be made to keep the water based system under pressurized condition at all the time. All the Fire Pumps shall be incorporated with both manual and auto starting facilities. The suction of Fire Pumps shall preferably of positive suction type or in case of negative suction the system shall be wet riser cum down comer with suitable terrace pump with overhead tank.

H. ALARM SYSTEM:

Manually operated Electrical Fire Alarm System with two numbers of break glass type call boxes fitted with Hooters at each floor connecting with visual panel board in all blocks. Hooters will be sounded on the same floor and immediate alternate floor. The visual panel board shall be provided at entrance of ground floor of each blocks.

I. ELECTRICAL INSTALLATION & DISTRIBUTION:

1. 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 the earth. Cables shall be I.S. marked and preferably be of F.R.L.S. categories.
2. The electrical installation shall be adequately protected with CO2/D.C.P. Fire Extinguishers.
3. Electrical distribution System shall conform all the requirements as laid in I.S. 1646-1982.
4. The vertical & horizontal electrical ducts shall be sealed at each floor level by Fire resisting materials in each block.

J. Alternate 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, passage etc. and other places of assembly of the all buildings in case of normal power failure.

K. FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire fighting arrangement in the style of placing suitable type of portable Fire Extinguisher, Fire Bucket etc. shall be provided at vulnerable locations in all floors and each block of the premises shall be made in accordance with I.S. 2190-1992.

L. GENERAL RECOMMENDATIONS:

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 buildings.
3. Floor numbers and directional sign of escape route shall be displayed prominently.
4. The occupancy 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. 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.

On compliance of all the above Fire and Life Safety Recommendation, 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 test and performance 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 ABHIJIT
PANDEY
Date: 2023.03.06 10:48:58 IST

Director
West Bengal Fire & Emergency Services