



Government of West Bengal

Office of the Divisional Fire Officer

West Bengal Fire & Emergency Services

First Floor of Duragapur Fire Station, Durgapur City Centre, P.O.: Durgapur, P.S.: Durgapur, Pin:- 713216

Memo No.: FSR/211862406300006529

Date : 04-12-2024

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

To :
Proposed G+10 Storied Residential Building Of Sri Bharat Sharma.
R.S Plot & L.R PLOT NO.669(P), 670(P), Kh no.1549, J.L no.077, Mouza Manikara, P.S Kanksa, Dist Paschim Bardhaman.

Sub: Fire Safety Recommendation for the occupancy of proposed construction of G+10 Residential Apartment Building under group residential in favour of proprietor Sri Bharat Sharma, within over R.S. and L.R. Plot No: 669(P), 670(P), Khatian No: 1549, Mouza: Manikara, J.L. No: 077, P.S: Kanksa, Dist :- Paschim Bardhaman, Pin: – 713212..

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This is in reference to your AIN 211862406300006529 dated 24-Sep-2024 regarding Fire Safety Recommendation for the occupancy of proposed construction of G+10 Residential Apartment Building under group residential in favour of proprietor Sri Bharat Sharma, within over R.S. and L.R. Plot No: 669(P), 670(P), Khatian No: 1549, Mouza: Manikara, J.L. No: 077, P.S: Kanksa, Dist :- Paschim Bardhaman, Pin: – 713212.

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 existing building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipality Body.
2. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
3. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
4. Arrangement shall have to be made for sealing all the vertical and horizontal ducts by the materials of adequate fire resisting capacity.



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OPEN SPACE AND APPROACH:

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 weighting 45M.T.
3. The width and height of the access gate into the premises shall not be less than 4.5 mts. and 5.0 mts. respecting the abutting road.
4. Drive way should be free from any type of obstruction. No parking will be allowed on the drive way.
5. All the Passage way should be kept clear for free access.

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 walls of the building.
3. The width of the staircase shall be made as marked in the plan. Corridors and the exit doors shall conform the relevant Building Rules with up to date amendment.
4. All the staircase shall be extended up to terrace of the building and shall be negotiated to each floor.

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. One of the lift shall be designed for Fire Lift. The word "FIRE LIFT" shall conspicuously written at ground floor.

FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 25000 ltrs. and overhead water reservoir having capacity of 25000 ltrs. exclusively for fire fighting purpose with replenishing arrangements @ 1000 ltrs/min. preferably from two different sources of water supply shall be provided. The water reservoirs 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.

FIRE PUMP:

1. One main pump capacity of 900 LPM along with one standby pump of same capacity of main pump should be installed on terrace level.

HYDRANT SYSTEM:

1. The building shall be provided with Down Comer along with Hose Reel Hose connected to terrace tank through the terrace pump capacity of 900 LPM along with one standby pump of same capacity of main pump and provided one 100 mm. internal diameter pipe line with provision of landing valves at the staircase landing/half landing at the rate of one such Riser for 1000 sqm. of floor area. The system shall be so designed that shall be kept charged with water all the time under pressure and shall not be less than 3.5 Kgs/Cm². All other requirements shall conform I.S. specifications.
2. Ring Main Hydrant with provision of sufficient numbers hydrant with one number of Fire Service Inlet shall be installed in the building in accordance with relevant I.S. specifications.
3. Proper replenishing arrangements shall have to be made to keep the overhead water reservoir full at all time.

ELECTRICAL INSTALLATION AND DISTRIBUTION:

1. The electrical installation including Transformers, Switch Gear, 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.
2. The vertical and horizontal electrical ducts shall be sealed at each floor level by fire resisting materials.
3. The electrical installation shall be adequately protected with CO₂/D.C.P.
4. Arrangement for alternative power supply shall have to be made to supply power with the help of a generator to operator at least the Fire Pump, Deep Tube-Well Pump, Fire Alarm System etc. and also for illuminating the Staircase, Corridors, Lobbies etc. and other places of assembly of the building in case of normal power failure.

DETECTION AND ALARM 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 at each floor connecting with visual panel board shall be made in Control Room. The Control Room shall be located at entrance of ground floor of the building, other requirements of the system shall be made conforming I.S. specifications.



2. The suppression system shall be made with Fire Extinguishers particularly in Computer, Electrical processing and Data Room and in all rooms of irreplaceable articles.
3. Hooters will be sounded in such a manner so that an operation of a Detectors or Manual Call Point. Hooters will be sounded on the same floor and immediate alternate floor.
4. Public Address System linked between all floors and Control Room shall have to be established.

FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire Fighting arrangement in the style of portable Fire Extinguishers, Fire Buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. specifications.

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 staffs 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. A crew of trained Fireman under the experienced Fire Officer shall be maintained round the clock for safety of the building.
 7. Mock Fire practice and Evacuation Drill shall be performed periodically with participation of all occupants of the building.
- On compliance of all the above Life and Fire Safety Recommendation, the Director General, West Bengal Fire & Emergency Services shall be approved for necessary inspection and testing of all 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.

Memo No.: FSR/211862406300006529



Signature Not Verified

Digitally Signed.
Name: RATAN KUMAR HALDER
Date: 04-Dec-2024 12:30:30
Reason: D-Sign
Location: E-Dist 2.0

Divisional Fire Officer

West Bengal Fire & Emergency Services

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