



Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services
Ghoshpara Road, P.O.- Bengal Enamel, Pin :- 743122

Memo No.: FSR/211862406300001455

Date : 07-06-2024

From :
Divisional Fire Officer
North 24 Parganas Division
West Bengal Fire & Emergency Services

To :
Shyam Sundar Apartment
62 N.D.P.-1,DAG-2044,KHATIAN-1411,1412,J.L-83,BIJAY LAXMI COLONY ROAD,P.O-NABAPALLY,P.S-
BARASAT,NORTH 24 PARGANAS,700126

Sub: Fire Safety Recommendation proposed construction of G+IV storied under group Residential building of which part of 1st floor use for commercial purpose ,in the name and style as "SHYAM SUNDAR CONSRTRUCTION"under the owner of Gora Chand Basak & Sankar Chandra Mondal at the premises No.- 62, N.D.P.-1 Bijay Laxmi Colony Road, Ward No.- 05, C.S. Dag No.-1124, C.S. Khatian No.-670, R.S. Dag No.- 2044, R.S. Khatian No.-1001, Modified Khatian No.-1478, L.R. Dag No.-2044, L.R.Khatian No.- 1411 & 1412, Mouza- Noapara, J.L.No.-83, P.S.- Barasat, Dist.-North 24 parganas, Under Barasat Municipality, Kolkata-700126. .

This is in reference to your AIN 211862406300001455 dated 07-May-2024 regarding Fire Safety Recommendation proposed construction of G+IV storied under group Residential building of which part of 1st floor use for commercial purpose ,in the name and style as "SHYAM SUNDAR CONSRTRUCTION"under the owner of Gora Chand Basak & Sankar Chandra Mondal at the premises No.- 62, N.D.P.-1 Bijay Laxmi Colony Road, Ward No.- 05, C.S. Dag No.-1124, C.S. Khatian No.-670, R.S. Dag No.- 2044, R.S. Khatian No.-1001, Modified Khatian No.-1478, L.R. Dag No.-2044, L.R.Khatian No.- 1411 & 1412, Mouza- Noapara, J.L.No.-83, P.S.- Barasat, Dist.-North 24 parganas, Under Barasat Municipality, Kolkata-700126.

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 open spaces surrounding the building shall be kept clear open to sky and shall conform the relevant building rules as well as permit the easy accessibility and manoeuvrability of the



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1. The whole construction of the existing building 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 I.S. specifications.
3. Arrangement shall have to be made for sealing all the vertical and horizontal ducts by the materials of adequate fire resisting capacity.

OPEN SPACE AND APPROACH:

1. The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting 45M.T.
2. 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 width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules.
3. All the staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering in to any room.
4. Fire check doors (FCD) at the entrances only enclosures as shown in the plan at commercial space area 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 or at the entrance to lift lobby and stair well..

EXIT:

1. Exits shall be so arranged that at least two separate exits are available in every floor area. Exit shall be as remote from each other as practicable and so arranged that there are no pockets or dead end occurred in which occupants may be trapped.
2. Every Exit door way shall open into an horizontal exit of a corridor.
3. Travel distance should not be more than 15 M from any dead end of the building.
4. All the passage way and gangway within the building should be done as per marked.

LIFT:

1. The walls of the lift enclosure of the building shall be at least two hours Fire Resisting type. Collapsible gate shall not be permitted.
2. In case of failure of normal electric supply, it shall automatically trip over to alternate supply. The lift shall be so wired that in case of power failure, it comes down at the ground level landing to stand still with door open.
3. Arrangement shall be provided for extraction of smoke from the lift shaft by incorporation smoke venting system and shall be of such design as to operate on actuation of sprinkler or Fire Alarm. In case of failure of normal electric supply it shall automatically trip to alternate supply..
4. All other requirements shall conform the I.S. specification including the communication facility in the lift cars connecting to the fire control room of the building.
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FIRE FIGHTING WATER:

Overhead water reservoir capacity of 20,000 ltrs. and Under ground reservoir capacity 10000 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.

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 450 LPM with providing one 100 mm. internal diameter pipe line with provision of landing valves at the ground floor level. The system shall be so designed that shall be kept charged with water all the time under pressure and one stand by pump at same capacity shall also be installed. In both cases the running pressure shall not be less than 3.5 kg/ sq.cm. All other requirements shall conform I.S. 3844-1989.
2. Provision of Hose Reel in conjunction with down comer shall be made at ground floor level confirming relevant I.S. specifications.
3. Proper replenishing arrangements shall have to be made to keep the overhead water reservoir full at all-time.
4. Provision of two way collecting head for uses of Fire Service must be provided at the entrance of the building.



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5. 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 roof of the building, one such pump shall always be kept as stand by pump.

AUTOMATIC SPRINKLER SYSTEM :

Automatic sprinkler shall be provided at the commercial place of the building as per I.S. 9972. Alarm gang to be incorporated along with the sprinkler system. Sprinkler flow switches shall be monitored by fire alarm panel.

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. Fire Extinguishers conforming I.S. specification.
4. Arrangement for alternative power supply shall have to be made to supply power with the help of a generator to operate 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 one number 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. Automatic detection with the help of smoke and heat detector shall have to be incorporated in the building which shall have to be connected to the panel board and the hooters conforming and accordance to IS specification.
3. Hooters will be sounded in such a manner so that an operation of Manual Call Point. Hooters will be sounded on the same floor and immediate alternate floor.

FIRST AID FIRE FIGHTING :-

1. 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 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. Directional sign of escape route shall be displayed prominently.
4. The employees and security staffs shall be conversant with installed Fire Fighting Equipment 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 installed in the building to keep them in perfectly good working conditions at all times.
6. A crew of trained Fireman 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.
8. No Kitchen room shall be made inside the building it should be in separate enclosure apart from main building.
9. LPG Bank shall be constructed outside of the main building as per I.S. 6044.

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.

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Signature Not Verified

Digitally Signed.
Name: SAROJ KUMAR BAG
Date: 07-Jun-2024 15:53:20
Reason: D-Sign
Location: E-Dist-20

Divisional Fire Officer

West Bengal Fire & Emergency Services

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