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Government Of West Bengal
Office Of The Divisional Fire Officer, North 24 Parganas
West Bengal Fire & Emergency Services
Ghoshpara Road, P.O.:- Bengal Enamel, Pin :- 743122

Memo no.:FSR/0125186231100935

Date: 17-09-2023

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

To: SUNDARBAN MINORITY B.Ed. COLLEGE.

L.R DAG NO.-1525/1546, L.R KHATIAN NO.-1301/282, MOUZA-HATBHAKGA, J.L NO.-44/89, TOUZI NO.-03, at AMTALA BAZAR, UNDER KUMARJOLA GRAM PANCHAYAT, P.S-MINAKHA, DIST-NORTH 24 PARGANAS, 743425

Sub: Fire Safety Recommendation for occupancy of an existing construction of G+II storied building under group Educational in the name & style as "SUNDARBAN MINORITY B.Ed. COLLEGE" at the premises of: - L.R DAG NO.-1525/1546, L.R KHATIAN NO.-1301/282, MOUZA-HATBHAKGA, J.L NO.-44/89, TOUZI NO.-03, AMTALA BAZAR, UNDER KUMARJOLA GRAM PANCHAYAT, P.S-MINAKHA, DIST-NORTH 24 PARGANAS, Pin - 743425.

This is in reference to your application no. 0125186231100935 dated 27-08-2023 regarding the Fire Safety Recommendation for occupancy of an existing construction of G+II storied building under group Educational in the name & style as "SUNDARBAN MINORITY B.Ed. COLLEGE" at the premises of: - L.R DAG NO.-1525/1546, L.R KHATIAN NO.-1301/282, MOUZA-HATBHAKGA, J.L NO.-44/89, TOUZI NO.-03, AMTALA BAZAR, UNDER KUMARJOLA GRAM PANCHAYAT, P.S-MINAKHA, DIST-NORTH 24 PARGANAS, Pin - 743425.

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 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.Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.
- 4.No wooden floor, corridors, lobby, staircases shall be allowed.

B.OPEN SPACE & APPROACH :

- 1.The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliance with turning facility.
- 2.The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 20 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.
- 4.Driveway cannot be obstructed in any mode & at least 5M clear height shall be maintain at all time.

C.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.All the staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.

D.FIRE FIGHTING WATER :

Underground water reservoir having water capacity at 50,000 ltrs. and overhead reservoir of 20,000 ltrs. capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000 ltrs./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.

E. HYDRANT SYSTEM :

1The building shall be provided with Down Comer having 100 mm. internal diameter Pipe Line with provision of landing valves at the rate of one such riser for 1000 Sq.m. at every staircase landing of all floor with two nos. synthetic 15 m delivery hose and one suitable branch pipe near landing valve at all staircase landing of all floors of the building shall be kept ready. The system shall be so designed that shall be kept charged with Water all the time under pressure and capable to discharge 900 ltrs/min. at the ground floor level outlet. The running pressure shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 – 1989.

2Hose reels in conjunction with wet riser shall also be installed at at least 2nos stairs case landing of all floors of the building in accordance with relevant I.S. Specification.

F.FIRE PUMP:

1. Main pump having capacity 900Lts. /min. giving a pressure not less than 0.3N/m². A set ball valve to supply the tank with at least 900ltrs. Per minute from the fire pump.

2. A stand by pump of equal capacity shall be provided preferably be diesel driven.

G.ELECTRICAL INSTALLATION & DISTRIBUTION:

1All electrical installation of the building shall be made in separate enclosure preferably on ground level keeping safe distance with main building.

2The 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.

3The vertical ducts shall be supply sealed at alternative floor level.

4The electrical installation shall be adequately protected with CO₂/ABC or Medium Velocity / Projector System.

5Alternative 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.

H.DETECTION & 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, talk back 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.Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.

I.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 @ two nos. competent type extinguisher per 100m² (one hundred square meter).

J.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.

K.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 Kitchen shall not allow inside the main building. If require, it should be a separate enclosure along with Gas Bank.

5 No part of staircases, stair case landing shall be blocked by keeping/ storing any materials. The staircases, staircase landing shall be kept free for smooth evacuation during any emergency.

6 Good housekeeping shall always be maintained.

7 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.

8 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.

9 A crew of trained Fireman under the experienced Officer shall be maintained round the clock for safety of the building.

10 Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of 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.

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