



Government Of West Bengal
Office Of The Divisional Fire Officer,Nadia
West Bengal Fire & Emergency Services
Azad Hind Sarak, P.O.:- Ghurni, P.S.:- Kotwali, Pin :- 741103

Memo no.:FSR/0125186221000338

Date: 04-01-2023

From:
Divisional Fire Officer,Nadia
West Bengal Fire & Emergency Services

To: SUSMITA MEMORIAL HERITAGE ACADEMY
Vill and P.O- Bahirgachhi, P.S-Nakashipara, Dist-Nadia, Pin-741154, W.B

Sub: Fire Safety Recommendation in favour of Existing construction of G+I storied Educational building under group of Educational Institution in the name & style “ Susmita Memorial Heritage Academy ”, at the premises No. Plot No. LR & RS 712, 714, 716, 717, 718, Mouza- Dakshin Bahirgachhi, JL No. LR 104, Khatian No. 2046, under Dharmada Gram Panchayat, Vill:-Bahirgachhi, PO:- Bahirgachhi, PS:- Nakashipara, Dist:- Nadia, Pin:- 741154,West Bengal.

This is in reference to your application no. 0125186221000338 dated 18-11-2022 regarding the Fire Safety Recommendation in favour of Existing construction of G+I storied Educational building under group of Educational Institution in the name & style “ Susmita Memorial Heritage Academy ”, at the premises No. Plot No. LR & RS 712, 714, 716, 717, 718, Mouza- Dakshin Bahirgachhi, JL No. LR 104, Khatian No. 2046, under Dharmada Gram Panchayat, Vill:- Bahirgachhi, PO:- Bahirgachhi, PS:- Nakashipara, Dist:- Nadia, Pin:- 741154,West Bengal.

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 interior decoration of the building shall be made low flame spread materials conforming I.S. specifications.
2. Provision of ventilation at the crown of the central core-duct of the building shall be provided.

B. OPEN SPACE & APPROACH:

1. The open space surrounding the building had been confirmed the relevant building rules as well as permit the accessibility and manoeuvrability of Fire appliances 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 meter and 5 meter respecting abutting the road.

C. STAIRCASE:

1. The staircase of the building shall have permanent vents at top and open able at

2. Both the staircases existing shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.

3. One another Stair Case shall be provided from Ground Floor to Roof level and marked in plan drawing.

D. FIRE FIGHTING WATER :

Underground water reservoir having water capacity a 5,000.Ltrs. and Overhead reservoir of 5,000 Ltrs. capacity exclusively for fire fighting purpose with replenishing arrangements@ 1000.Ltr./min preferably from two different sources of water supply shall be provided . The fire water Reservoir shall have overflow arrangement with the domestic water Reservoir as well as to avoid stagnancy of water. The fire water reservoir shall be kept full at all time.

E. FIRE PUMP :

1. Provision of the Fire pump shall have to be made to supply water at the rate designed pressure and discharge in to 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 .

F.HYDRANT SYSTEM:

1. The building shall be provided with Down Comer along with Hose Reel Hose connected to terrace tank through pump capacity of 450 LPM and provided one 100mm. Internal diameter pipe line with provision of landing valves at the staircase landing / half landing at the rate of one such Riser for 1000 sq mtrs. 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 2 Kgs/ sq.Cm . All other requirements shall conform I.S. Specification.

2. Yard Hydrant with provision of one number 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

G. ELECTRICAL INSTALLATION & DISTRIBUTION:

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. Extinguisher.

4. Alternative Power Supply :

Arrangement shall have 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 illuminative the staircase, corridors etc. And other places of assembly of the building in case of normal power failure.

H. DETECTION ALARM & SUPPRESSION SYSTEM:

1. Manually operated Electrical Fire Alarm system with adequate number 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-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 . Specification .

2. Hooter will be sounded in such a manner so that an operation of a Manual call Point Hooters will sounded on the same floor and immediate alternate floor.

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

I. GENERAL RECOMMENDATIONS:

1. Fire License shall have to be obtained from the licence section of the department for proposed storing and processing with L.P.G. and other highly combustible articles which come under the purview of licence section.

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. Arrangement shall be made for regular checking, testing and proper maintenance of all the fire safety installations and

equipments installed in the building to keep them in perfectly good working conditions at all times.

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

6. In every three year a certificate is to be obtained from the Director General, west Bengal Fire & Emergency services certifying about the satisfactory services, performance of all the Life and safety arrangements and installation of the building.

On compliance of all the above Fire and Life safety recommendations, The Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation, Final 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 and Life safety Recommendation will be treated as cancelled.

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