



Government Of West Bengal  
Office Of The Divisional Fire Officer, Paschim Medinipur  
West Bengal Fire & Emergency Services  
Sepoy Bazar, P.O.- Medinipur, P.S.- Kotwali, Pin:- 721101

Memo no.:FSR/0125186231500361

Date: 05-02-2024

**From:**

Divisional Fire Officer, Paschim Medinipur  
West Bengal Fire & Emergency Services

**To: DAV PUBLIC SCHOOL, MIDNAPORE**

MOUZA - NARAMPUR, DAAK BUNGLOW ROAD, J.L. NO. - 174, R.S. PLOT NO. - 8(P), L.R. PLOT NO. - 205(P),  
HOLDING NO. - G -353, P.S. - MEDINIPUR, DIST - PASCHIM MEDINIPUR, PIN - 721101

Sub: Fire Safety Recommendation for an Existing 2(Two) nos. Building of G+I & G+II storied School Building (i.e. Building - 1, G+I storied and Building - 2, G+II storied building), in the name of "DAV PUBLIC SCHOOL, MIDNAPORE" under group of Educational at Mouza - Narampur, Daak Bunglow Road, J.L. No. - 174, R.S. Plot No. - 8(P), L.R. Plot No. - 205(P), Holding No. - G -353, P.S. - Medinipur, Dist - Paschim Medinipur, Pin - 721101.

This is in reference to your application no. 0125186231500361 dated 26-12-2023 regarding the Fire Safety Recommendation for an Existing 2(Two) nos. Building of G+I & G+II storied School Building (i.e. Building - 1, G+I storied and Building - 2, G+II storied building), in the name of "DAV PUBLIC SCHOOL, MIDNAPORE" under group of Educational at Mouza - Narampur, Daak Bunglow Road, J.L. No. - 174, R.S. Plot No. - 8(P), L.R. Plot No. - 205(P), Holding No. - G -353, P.S. - Medinipur, Dist - Paschim Medinipur, Pin - 721101.

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 existing building shall be carried out as per approved plan drawings conforming of the relevant building rules of local 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. Arrangements shall have to be made for sealing all the vertical & horizontal ducts by the materials of adequate Fire resisting capacity.

**B.OPEN SPACE & APPROACH:**

- 1.The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and

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manoeuvrability of Fire appliance with turning facility.

- 2.The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45M.T.
- 3.The width and height of the access gates into the premises shall not be less than 4.5M and 5M respecting abutting the road.

#### 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 open able sashes at each floor level in the external wall of the building.
- 3.The staircase shall be extended up to terrace of the building.
- 4.3 Nos. MS stair having flight 1.8 Mtr. have been provided at mark in the plan drawing due to dead end.

#### D. FIRE FIGHTING WATER:

Underground water reservoir having water capacity at 50,000 ltrs. and over head reservoir of 10000ltrs. Capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000lts/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 water reservoir shall be kept full at all time.

#### E.HYDRANT SYSTEM:

- 1.The building shall be provided with wet riser of 150 mm. 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 mtrs. 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 lts/min at the ground floor level outlet and minimum 900 lts. /min at the top most outlets in both case the running pressure shall not be less than 3.5kgs./sq cm. All other requirements shall conform I.S 3844-1989.
- 2.Provision for hose reel hose in conjunction with Wet Riser shall be made at each floor level conforming the relevant I.S specification.
- 3.Ring Man Hydrant with provision of adequate numbers Hydrant with one number Fire Service inlet shall be installed the building in accordance with relevant I.S. specifications.

#### F.PUMPS FOR FIRE FIGHTING INSTALLATION IS – 12469:1988:

- 1.One no. Main pump (Electric) capacity 1620 LPM
- 2.One no. Stand by pump capacity 1620 LPM
- 3.All pumps must be kept in auto mode. Fire pump shall be connected with alternative D.G. Power supply.

#### G.AIR CONDITIONING SYSTEM : (If any)

Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Conditioning system.

#### H.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 & horizontal electrical ducts shall be sealed at each floor level by fire resisting material.
- 3.The electrical installation shall be adequately protected with CO2/D.C.P. Fire Extinguisher.
- 4.Alternative 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.

**I. DETECTION and ALARM SYSTEM:**

1. Manually operated Electrical Fire Alarm system with at least adequate number of break glass type call boxes fitted with Hooters 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. Auto fire detection system with the help of heat/smoke detector as per suitability shall be installed in all places of below and preferably above false ceiling of the Building. The system shall also be made in places of the room where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S. 2189-1988.

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

4. Public address system & C.C Camera:

Public address system linked between all floors and control room shall have to be established including C.C. Camera to be installed for vigilance of every situation/incident.

**J. 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. 15683 with effect from January - 2012.

**K. GENERAL RECOMMENDATION:**

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 building.

3. Floor numbers and directional sign of escape route shall be displayed prominently.

4. 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.

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 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 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, 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 recommendation will be treated as cancelled.