



**Government Of West Bengal
Office Of The Deputy Director
West Bengal Fire & Emergency Services
Station Feeder Road, P.O & P.S Siliguri,
District: Darjeeling, Pin - 734005**

Memo no.:FSR/0125186227900052

Date: 11-04-2022

From:
Deputy Director
North Zone, HQ Wing,
West Bengal Fire & Emergency Services

To: NJP RLY GIRLS SCHOOL
MOUZA-DABGRAM,JL NO-02,PLOT NO-11,KH NO-04,P.S-JALPAIGURI,DIST-JALPAIGURI

Sub: Fire Safety Recommendation for Existing construction of Single storied School Building under group of Educational in the name NJP RLY GIRLS SCHOOL at Premises No – Mouza-Dabgram, JL No-02, Plot No-11, KH No-04, P.S-Jalpaiguri, Dist-Jalpaiguri.

This is in reference to your application no. 0125186227900052 dated 10-02-2022 regarding the Fire Safety Recommendation for Existing construction of Single storied School Building under group of Educational in the name NJP RLY GIRLS SCHOOL at Premises No – Mouza-Dabgram, JL No-02, Plot No-11, KH No-04, P.S-Jalpaiguri, Dist-Jalpaiguri.

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:
CONSTRUCTION

- 1.The whole construction of the proposed building shall be carried out as per approved plan drawing conforming relevant building rules of local Administrative body (Municipal / Panchayat).
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.
- 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 ducts by the materials of adequate fire resisting capacity.

OPEN SPACE & APPROACH

- 1.The open space surrounding the buildings shall conform the relevant building rules as well as permit the accessibility and manoeuvrability of fire appliances with turning facility having minimum 6.5 M width in each side.

FIRE FIGHTING WATER

The Centre shall have to be equipped with 20,000 ltrs. of overhead stored water with replenishing arrangement @ 900 ltrs./min preferably from two different sources of water supply.

WET RISER SYSTEM IS:3844 :1989

Down comer system shall have to be provided 100mm along with landing valve.

Electrical Installation-

shall be as per code of practice 1946: 1978, (NBC-Gr-iv) & Indian Electricity rules-1956 with up to date amendment. No electrical switch gear/ distribution should be installed below the staircase.

PUMPS FOR FIRE FIGHTING INSTALLATION (IS 12469:1988):-

A Booster pump (900 Lpm) have to be installed Overhead water Reservoir .

DETECTION ALARM SYSTEM

Manually operated alarm system shall be installed in the building Which Conforming I.S. 2189-1988.

ALTERNATE POWER SUPPLY

Arrangement shall have to be made to supply of power with the help of generator to operate at least fire pump, illumination corridors etc. and other places of assembly area in case of normal power failure.

HOSE REEL SYSTEM (IS 884:1985):-

i) Provision for Hose Reel in conjunction with wet riser shall be made at each floor of the building level from the overhead or underground reservoir through Booster pump conforming the relevant I.S. specification,

ii) The Hose reel hose system should be provided at each floor of the buildings. The internal dia. of the said hose reel shall be 19 mm to 32 mm and the discharge capacity not less than 22.5 LPM. While the length of the hose reel not more than 36.50 meters. The distance of such installation should be in such a way that no part of the floor is more than 6 meters distance from a hose nozzle when fully extended.

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.

GENERAL RECOMMENDATION

- 1.Fire notice for fire fighting and evacuation from the building shall be prepared and be displayed at all vulnerable place of the building as per clause 4.11 Annex D of N.B. Code.
- 2.Floor number and direction sign of escape shall be displayed prominently as per clause 4.11 Annex D of N.B. Code.
- 3.The employees and security staff shall be conversant with installed fire fighting equipments of the building on to operate in the event of fire and testing as per clause 4.11 Annex D of N.B. Code.
- 4.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.
- 5.Mock fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- 6.Considering the gravity of growing hazard in the township, a crew of trained firemen under one experienced officer shall be maintained round the clock along with water tender (type-B) conforming I.S. 948 : 1983.

Krishna Dutt