



Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services
Lalkhuti Para, Suri, Birbhum, Pin:- 731101

Memo No.: FSR/211862606300021603

Date : 22-04-2026

From :
Divisional Fire Officer
Birbhum Division
West Bengal Fire & Emergency Services

To :
Agnibina Model School
Mouza- Choupahari Jangal, P.S- Illambazar, Pin- 731214, Dist- Birbhum, West Bengal, Under Illambazar Gram Panchayat.

Sub: Issuance of Fire Safety Recommendations of the (G+1) storied proposed educational building, named "AGNIBINA MODEL SCHOOL" over Plot No.- 322, Khatian No – 2236, 2238, JL No. – 122, Mouza – Choupahari Jangal, PO -Illambazar, G.P-Illambazar, PS - Illambazar, Pin - 731214, Dist. - Birbhum (W.B).

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This is in reference to your AIN 211862606300021603 dated 18-Mar-2026 regarding Issuance of Fire Safety Recommendations of the (G+1) storied proposed educational building, named "AGNIBINA MODEL SCHOOL" over Plot No.- 322, Khatian No – 2236, 2238, JL No. – 122, Mouza – Choupahari Jangal, PO -Illambazar, G.P-Illambazar, PS - Illambazar, Pin - 731214, Dist. - Birbhum (W.B).

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 :

A) Construction part:

- i) The whole construction shall be made as per the approved plan drawing.
- ii) All the compartment walls up to ceiling level having at least four hours fire resisting capacity.
- iii) All construction materials should be of two hrs. fire resisting capacity.



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- v) Doors and windows shall be of at least two hrs. fire resisting type.
- vi) The interior finish decoration of the building shall be made low flame spread materials conforming IS specification.
- v) The roads and Side Open Spaces are to be minimum 45 MT withstand capacity.

B) Open space & approach:-

- i) The approach roads and internal driveway shall be sufficient to permit the accessibility and manoeuvrability of fire appliance to turning facility and to be strong enough to withstand the load of fire engine.
- ii) The width and height of the access gate into the premises shall not be less than 4.5 meters 5 meters respectively abutting the roads.

C) Staircase:

- i) Staircase shall not be obstructed with refuse article or by any means.
- ii) Staircase shall continue from ground to roof level.
- iii) Staircase shall be negotiated at all floors.

D) Means of escape:

- i) The emergency exit shall not be allowed to lock and key round the clock
- ii) Time of evacuation should be as per IS: 1644-1988.

E) Electrical installation:

- i) All electrical installation should be done in accordance with National Electrical Code and Part-VIII "Building Services" Section-2 "Electrical installation" good practice[4(10)]
- ii) All cables should be FRLS type and all wiring along with appropriate gauge and resistance conforming the machineries to be used.
- i) Electrical installation shall be tested by the licensed electricians periodically.
- ii) All electrical installation shall be protected by MVWS projector system (HVWSP for Liquid cooled transformer) or inert gas based automatic fire suppression system (CO₂/inertgen/NOVEC/Argon etc.)

F) Firefighting water:

The building should be provided with 10,000 liters capacity of Overhead water reservoir.

G) Hose reel system (IS:844-1985):

The building should be equipped with Hose Reel Hose system as per IS code of practice. 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 36.5 meters. The distance of such installation should be in such a way that no part of floor is more than 6 meters distance from a nozzle when fully extended.

H) Pumps for firefighting installation IS-12469:1988: -

One no of Terrace Pump of 900 LPM, one no. Diesel driven Stand by fire pump of capacity 450 LPM shall be installed and arranged in such a manner so that it will start automatically with fall in pressure and also connected with alternative power back up. Pressure shall be maintained minimum 3.5 kg/cm² at the terrace level



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I) First Aid Fire Fighting System: -

First Aid Firefighting arrangement in the style of placing suitable type of portable fire extinguisher, Fire buckets etc. in all floors and vulnerable locations (e.g. pump house etc.) of the premises shall be made in accordance with IS 2190-1992.

O) Alternative power supply:

Arrangement shall have to be made to supply power with the help of a generator to operate the fire pumps and also for illumination in case of normal power failure.

P) Air conditioning system:

i. In case of centralized air conditioning system, separate duct for supply air and return are shall be provided.

ii. All air ducts shall be protected with auto detection and fire dampers.

iii. In case of floor wise individual separate unit e.g. AHU, VRF, FCU, etc. auto tripping system with actuation of detection shall be provided.

General recommendation: -

1. Fire License shall have to be obtained for proposed storage and processing of L.P.G. and other combustible articles, if any.

2. Fire notice for firefighting and evacuation from the building shall be prepared and to be displayed at all vulnerable places.

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

4. The employees/occupants and security staff shall be well conversant with the installed firefighting 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 good working condition at all times.

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

7. A certificate is to be obtained triennially from The Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the life and fire safety arrangements and installation of the building.

This shall be treated as Fire Safety Recommendation. On compliance of all the above Fire and Life safety recommendations, the DFO of Birbhum, 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 Fire safety recommendation will be treated as cancelled.



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Signature valid

Digitally Signed.
Name: ARINDAM DEBNATH
Date: 22-Apr-2019 14:21:29
Reason: D-Sign
Location: E-Dist 2.0

Divisional Fire Officer

West Bengal Fire & Emergency Services