

Government Of West Bengal
Office of the Divisional Fire Officer (Hooghly District)
West Bengal fire & emergency Services
G.T Road, Mahesh
Hooghly



Memo No:- WBFES/ Ho/ FSR/ DN-145/16/ R-126/16

Date:- 17.10.2016

From: The Divisional Fire Officer (Hooghly District)
West Bengal Fire And Emergency Services

To : The Principal
"Kendriya Vidyalaya"
Ward No-6, Tarakeswar,
Hooghly.

Sub:- Fire Safety Recommendation of an Existing G+2 Storied Educational building in the name and style of "Kendriya Vidyalaya" at Ward No- 6, Holding No-101, Under Tarakeswar Municipality, L.R-926,952,146,148; J.L. No.-21&29.Tarakeswar, Hooghly.

This is in reference to your letter no Nil Dt 17/10/2016 regarding Fire Safety Recommendation of an Existing G+2 Storied Educational building in the name and style of "Kendriya Vidyalaya" at Ward No- 6, Holding No-101, Under Tarakeswar Municipality, L.R-926,952,146,148; J.L. No.-21&29.Tarakeswar, Hooghly.

The Plan drawing 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 issuing Fire Safety recommendation in favors of the aforesaid Building subject to compliance of the following fire safety measures. This office should not take any liability if there is any objection from others occupants any other legal problem.

Mahesh
17/10/16

Divisional Fire Officer (Hooghly District)
West Bengal Fire and Emergency services

nclo:

- 1) One set of plan.
- 2) Recommendation



Recommendations

A) Construction

- 1) Construction and layout of the building shall remain same as per approved plan and shall never be altered in any part of the building except marked portion
- 2) Material for rapid flame spread categories including untreated wood, fibred board etc shall be not used. The door and windows preferably shall be made of metal
- 3) Arrangement shall have to be made for sealing all the vertical ducts by the materials of adequate fire resisting capacity
- 4) All the marked construction should be done with proper fire rating things.
- 5) Areas of high risk of the Building like Kitchen, Certain Laboratories, Main Stores And Works Departments should be separated from other parts of the building by fire resisting wall

B) OPEN SPACE AND APPROACH

- 1) The open spaces surrounding the premises shall conform the relevant building rule,
- 2) The approach road shall be sufficiently strong to withstand the load of fire engine
- 3) The width and height of the access gate into the premises shall not be less than 4,5 m and 5 m respecting the abutting road
- 4) Drive way should be free from any type of obstruction. No parking will be allowed on the drive way.
- 5) All the Passage way should be made as mentioned in the plan

C) STAIRCASE:-

- 1) The staircase should be made as marked in the plan with fire resisting construction.
- 2) The width of the staircase should not be less than 2 m corridor and the exit doors shall conforming the relevant building rules.
- 3) The staircases shall be interconnected with each other without entering into other room

D) Exit

- 1) Exit should be so arranged that at least two separate exit are available in every floor area. Exit shall be as remote from each other as practicable and so arranged that there are no pockets or dead end occurred in which occupants may be trapped.
- 2) Every exit door way shall be open into an horizontal exit of corridors
- 3) Exit width will be as mentioned in the N.B.C Part IV
- 4) All the marked exit should be made before taking N.O.C



E) ELECTRICAL INSTALLATION & DISTRIBUTION

- 1) The electrical Installation including transformers, switch gears, Main & Meters etc of the building should be in separate places conforming the code of practice and as per Indian electricity rules
- 2) The Vertical ducts should be sealed with fire resisting materials
- 3) All the cables should be painted by fire stop.
- 4) All the electrical Installation should be protected by suitable type auto suppression system
- 5) Electrical distribution system of the premises shall be made in the form of concealed wiring or heavy gauge M.S conducted continuously bonded to the earth cables shall be I.S marked and preferably be of F.R.L.S categories.
- 6) All the Installation viz transformer switch gear L.T, H,T rooms shall be protected by auto suppression and detection system.

F) FIRE FIGHTING WATER AND FIRE PUMP

- 1) Underground water reservoir having water capacity at 30,000 Lits, and 1 no's overhead reservoir of 10,000 Lts. Capacity are to be provided along with provision of standard hose reel hose and Landing valve @ one /Floor fo the building
- 2) All the Hydrant should be satisfying the code of practice
- 3) Proper replenishment arrangement should be made in the building

G) WATER LAYOUT SYSTEM

- 1) Riser dia not less than 100 mm should be made in the building
- 2) Hydrant at least four should be provided surrounding the building having hose boxes and branches
- 3) Hose reel hose along with landing valves @ one / floor should be installed in the building

H) AUTO DETECTION AND SUPPRESSION SYSTEM

- 1) M.C.P and Hooter should be provided at all portion of the building including in such a way that in case of any exigency sound can be hear on from any portion of the building

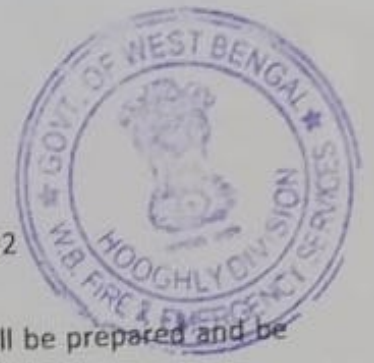
I) FIRE PUMP

- 1) Main pump along with preferably diesel driven standby pump having discharge not less than 1680 lits/ min should be installed in the building for the water based system
- 2) All the pump should have sufficient capacity to deliver water at the pressure not less than 3.5 kg at the top most hydrant

J) AIR CONDITIONING SYSTEM IF CENTRALIZED A.C IS THERE

- 1) All the due precaution should be taken for the a air conditioning system
- 2) A.H.U shall be separated for each floor of the building
- 3) The materials used for insulating the duct system shall be of noncombustible materials

- K) Fire damper should be installed at the strategic position of the building



L) FIRST AID FIRE FIGHTING SYSTEM

- 1) First aid fire fighting arrangements should be done as per I.s 2190-1992

M) GENERAL RECOMMENDATION

- 1) Fire Notices for the fire fighting and evacuation from the building shall be prepared and be displayed at all vulnerable points of the building
- 2) All the Occupants should be trained for the fire protection system of the building
- 3) Arrangement shall be made for regular testing and maintenance of the system
- 4) Drill should be carried out at least once in a year and record should be maintained for the drill
- 5) Alternative power supply should be provided for the operation of all the fire protection system in the building
- 6) Proper housekeeping should be maintained in the building
- 7) All the marked work in the building should be done before taking N.O.C from this department.
- 8) Fire safety committee to be formed in the school Building and intimation should be given to the school management. After having organized the sensitization meeting, School Management should formulate the school fire safety management committee comprising the following members
 - 1) Chairperson
 - 2) Principal/in-charge
 - 3) Vice Principal
 - 4) Headmaster/Mistress
 - 5) Administrator
 - 6) School doctor
 - 7) 6 senior & Physically fit teacher
 - 8) Student representative
 - 9) Others- NCC, scouts & guides, House captains etc
 - 10) Fire Officer from nearest fire Station

All the member should perform their designated work as or be made by the committee. This will be treated as fire safety recommendation only, and on compliance of all the above fire and life safety recommendation the director general of west Bengal fire and emergency Services shall be approached for necessary inspection and testing of the installation, final safety certificate of the building shall be issued on being satisfied with the test and performance of the safety aspects of the installation of the building.

All the recommended work should be done within one year of date of issue of the letter.

[Handwritten signature]
17/10/16

Divisional Fire Officer (Hooghly District)
West Bengal Fire and Emergency services