

OFFICE OF THE JOINT DIRECTOR FIRE & EMERGENCY SERVICES,
KASHMIR RANGE SRINAGAR

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The Principal,
Delhi Public School,
Sheikh Pora Budgam

No. JDK/F-Prvi/1045

Dated. 31. 05 .2021.

Subject:- Fire Safety Recommendations.

Reference:- Your office letter No.DPSB/4405/A Dated.15.04.2021

Sir,

The Assistant Director Fire & Emergency Services Command Budgam, has conducted fire audit of the school building of **Delhi Public School Sheikh Pora Budgam**. The detailed report is as under:-

During inspection of the school building following has been Observed:-

The school is functioning in two buildings Four storied & three storied both concrete tin roofed buildings.

1st Building:- Four storied tin roofed concrete building having two internal concrete staircases about 3½ feet width leading from ground to 1st floor and one staircase about 3½ feet width leading from 1st to 3rd floor.

Ground Floor:- Ground floor comprising of thirteen Class Rooms, Six office Rooms, four store Rooms & One Computer Laboratory Room.

1st Floor:- First floor comprising of Fourteen Class Rooms, One computer laboratory Room, One Staff Room, three store Rooms, One Record Room & One Physics Laboratory Room.

2nd Floor:- Second floor comprising of One Auditorium Room, twelve Class Rooms, two laboratory Rooms & one Math Room.

3rd Floor:- Third floor comprising of eleven Class Rooms, One conference Room & one library Room.

2nd Building:- Three storied tin roofed concrete building having one internal concrete staircases about 05 feet's width leading from ground to 2nd floor .

Ground Floor:- Ground floor comprising of Nine Class Rooms, One Principal Room, One Medical Room, One Doctor's Room, two office Rooms & One conference Room.

1st Floor:- First floor comprising of eighteen Class Rooms, One Computer laboratory Room, One library Room, One Doctor's Room, two office Rooms & One science laboratory Room.

2nd Floor:- Second floor comprising of twenty Class Room, twelve Class Rooms & one computer laboratory Room.

Water Source:-

01:- One underground water storage of capacity 10,000 liters is available.

02:- Water tanks of capacity 2000 liters = 08 Nos.

Availability of Fire Extinguishers:-

ABC type Fire Extinguishers of Capacity 09 kgs = 01 No.

ABC type Fire Extinguishers of Capacity 09 liters = 02 Nos.

ABC type Fire Extinguishers of Capacity 06 kgs = 16 No's

CO2 type of Fire Extinguishers of capacity 06 kg = 03 Nos.

One Ramp is provided 12 feet's width approximately in four storied building.

One lift is provided in four storied building.

Fire & Emergency Station:-

The school is about 03 kms away from Fire & Emergency Station Budgam

Road Accessibility:-

The School is provided with one main gate made of iron about 16 feet's width and is accessible for Fire Tenders in case of any Emergency.

- a) The wooden component of the school building needs to be given fire retardant treatment of at least two hours rating. The wooden flooring if available shall be given light weight gypsum plaster of 25 mm thickness so as to have two hours fire resistance.
- b) Hose reel hose facility shall be provided at each floor in three storied building connected with terrace tank having 15000 liters capacity provided in the school building.
- c) A Fire Pump having 450 LMP output at 40 meters head (2.0 kg/cm^2) for Hose Reel shall be installed at terrace. The pump shall be automatic in operation as per BIS/NBC specifications.
- d) In addition to already installed fire extinguishers, 01 No. 09 liters capacity Water type & 01 No. of 06 kg capacity ABC type fire extinguishers shall be installed in each floor of the building. 01 No. of 4.5 kg capacity CO2 type fire extinguisher shall be installed in each Library room & Computer Lab room, Laboratory rooms if available. All fire extinguishers shall be of ISI marked.
- e) All class rooms or hall having capacity of more than 45 students shall have minimum two exits as remotely located from each other as possible.
- f) All electrical wiring in the school shall be arranged through conduits or concealed type and provision for circuit breaker shall be made. 01 No. 06 kg capacity DCP type fire extinguisher should be installed near electric duct panel in the building.

- g) All furniture of the school including chairs, tables must be painted with fire retardant paints that are approved by CBRI Roorkee (Central Building Research Institute) or in alternative the furniture can be fabricated by fire resistance material.
- h) The school building does not have any provision for the storage of any type of explosive or hazardous material including LPG or central heating system.
- i) In addition to the already existing exits, an alternate exit of 1.5 mtr. Width well away from the existing exits shall provided in the building leading to the rooms in both the floors of the building for safe and hassle free evacuation of the students/occupants in case of any emergency.
- j) The building should have provision of Manual/Automatic Operated Electric Fire Alarm located as easily accessible location in ground floor near entrance to alarm in case of emergency.
- k) The building complex should have provision of dedicated fire reservoir of at least 50,000 liters located at location within the premises easily accessible for Fire Tender in case of emergency. The reservoir should be provided with fire service connections of 100mm for lifting & 70mm for replenishing of water supply.
- l) The complex should have a provision of Down Comer as per BIS Specification with an overhead water tank having 10,000 litres shall be provided exclusively for fixed fire fighting system. Hose box having two hoses length with a fire fighting branch (nozzle) should be provided at each floor.
- m) Two No's Yard Hydrants should be provided for each block preferably near the entrance.

Precautions:-

1. All escape routes shall be kept free from any obstruction so as to provide hassle free evacuation in case of any emergency. Besides all gates and doors shall be kept unlocked during the occupancy of the building
2. Exit signs should be marked to lead the occupants to the place of safety.
3. Fire/evacuation drills should be conducted regularly in the school.
4. The school staff should be trained to handle and operate the First Aid firefighting equipment's.

The final clearance shall be given subject to the fulfillment of the above fire safety recommendations & precautions strictly as per NBC/BIS norms and specifications.

These recommendations are valid for one year and shall be renewed annually.

Yours faithfully,


Joint Director,
Fire & Emergency Services,
Kashmir Range, Sgr.