



No.DFES/DNH/NOC-Recc/1319/ADFO/2024
Application ID. NOC/P202425/02978

Dated:- 08-06-2024 .

To,
M/s. GOVT. HIGHER SECONDARY SCHOOL TOKARKHADA (HINDI MEDIUM)
18/1P1 , TOKARKHADA
, Tokarkhada, Ayapa MandirSilvassa
DNH-2

Sub : GRANT OF PROVISIONAL FIRE N.O.C. FOR EXITING SCHOOL BUILDING IN RESPECT M/S. GOVT. HIGHER SECONDARY SCHOOL (HINDI MEDIUM), SITUATED AT TOKARKHADA, SILVASSA -REG...

Ref: 1. Application dated 09-05.2024.

Sir,

This has reference to your application under reference above, it is to inform that Principal of Govt. Higher Secondart School (Hindi Medium), Tokarkhada, Silvassa has applied for grant of fire N.O.C. for exiting school building having ground floor +02 upper floor with total height of **12.66 meters** from the general ground level up to the terrace level on land bearing Survey No. 18/1 P1, situated at Tokarkhada, Silvassa.

As per drawing/plan of the said school building as submitted by the applicant, the details of construction and plot area are shown in the plan of the school building as submitted by the applicant is as under:

Sr. No.	Particulars of Construction	Total B/U area (Sq. Mtrs).
01.	Total Plot area	32100.00
	Permissible B/U area on ground floor @ 50 %	16050.00
	Consumed built up area @ 6.99%	2243.28
	Permissible F.A.R.@ 1.00%	32100.00
	Consumed F.A.R.@ 0.21 %	6729.84
02.	No. floor	
	Ground Floor	2243.28
	First floor	2243.28
	Second floor	2243.28
	Total built up area.	6729.84
03.	Total height of the building	12.66mtrs.
04.	No. & width of Staircase	02/1.50

The site abuts single internal road about 35.00 Meters wide on East side as shown on the proposed plan. Open space around the building from plot boundary is as shown below:-

North Side - 12.00 from the building line.

South Side - 06.00 from the building line.

East Side - 28.50 from the building line.+ 35.00 meter wide road.

West Side - 05.50 from the building line.

The above said school building has been inspected by concern Fire Officer in presence of Smt. Anjanaben Soanki (Principal) on **26/04/2024** who made the following observations.

Sr. No.	Observation & findings	Remarks
01	Travel Distance	As per clause 4.4.2.1 & 4.4.2.2 of table No. 5 of part-IV of NBC-2016 and Table No. 14.1 (Sr. No. 7 of Educational 2) of GDR - 2023, the travel distance is exceeding in the proposed school building. Therefore, one additional staircase is required to be provided in proposed school building.

In view of the above, you are requested that the following fire prevention and life safety recommendations/suggestions from the fire safety point of view may be complied in the above said existing school '**GOVT. HIGHER SECONDARY SCHOOL (HINDI MEDIUM)**' having ground floor +02 upper floor with total height of **12.66 meters** from the general ground level up to the terrace level on land bearing Survey No. 18/1 P1, situated at Tokarkhada, Silvassa, subject to satisfactory compliance with the basic fire fighting requirements of the National Building Code of India and as required under the Notification No. AIGP/DFS/DD-DNH/FS Rules/2002/281 dtd.31.03.2005, issued under sub-section (1) of section 13 of the Goa, Daman and Diu Fire Force Act, 1986 as extended to the U.T. of Dadra and Nagar Haveli vide Notification No.ADM/LAW/585/1989 dated 24.07.1989.

1. ACCESS:

- i. The premises should be located as to provide easy access to fire brigade in the building.
- ii. Adequate passageway and clearance required for fire fighting vehicle to enter the each premises should be provided at the main entrance. The width of such entrance shall not be less than 5

meters. If an arch or covered gate is constructed, it shall have clear headroom of not less than **5 meters**.

iii. Whether the two nos. of entrance gate of not less than 5 meters width shall be provided to the premises.

2. COURTYARDS/OPEN SPACES/SET BACK:

i. The open spaces around the building shall be not less than 06.00 meters and shall be hard surface so as to take load of the fire engine weighing up to 45 tons each.

ii. Courtyard as above all around the building shall be free from obstruction and encroachment for fire brigade access at all times.

3. OCCUPANT LOAD:

i. The permissible occupant load of the education building/class room shall be followed as laid down in table-3 (Occupant load of NBC - 2016).

4. DOORWAYS:

i. The every room with a capacity of **45 persons** in area should be provided at least **two doorways**.

ii. The width of all exit doorways should be **01 meter and above** in respect of class rooms and **02 meters and above** in respect of Assembly halls.

iii. The height of exit door ways should be 02-00 meters and more, and more and should be opening outwardly.

5. CORRIDOORS AND PASSENGERS: All means of exit including staircase lobbies and corridors shall be adequately ventilated.

6. STAIRCASE:

i. The sufficient staircase of not less than **1.5 meters** width shall be provided on each floor of the building.

ii. The staircase should be provided for every 22.5 meters of travel distance.

iii. The all means of exit including staircases, lifts lobbies and corridors shall be adequately ventilated.

iv. No staircase should be arranged around a lift shaft.

v. No Gas pipes should be laid in the stairway.

7. RESTRICTION OF SPREAD OF FIRE AND SMOKE:

i. The laboratories should be located in separate blocks/ adequate precautions taken.

ii. The hazardous chemicals should be stored separately with due precaution.

iii. The reactive and hazardous nature chemicals should be stored separately in appropriate receptacles (closed) properly labeled their names and chemical characteristic.

iv. The adequate care shall be taken while using any gas for burners etc. in laboratory/ kitchens.

v. Storage of volatile flammable liquids shall be prohibited and the handling of such liquids shall be restricted to science laboratories only.

8. RAMPS:

i. The slop of a ramp shall not exceed 1 in 10. In certain cases steeper slopes may be permitted but in no case greater than 1 in 8.

9. EMERGENCY AND ESCAPE LIGHTING:

i. The emergency lighting should be powered from a source independent of that supplying normal lighting.

ii. The emergency lighting system should be adequate capacity of continuous operation of minimum duration of 1 1/2 hour even for smallest premises.

iii. All escape exits routes shall be provided clearly visible & illuminated sign in the premises.

iv. The exit signs with arrows indicating the escape routes shall be provided at a height of **1.5 m**. from the floor level on the wall and shall painted with fluorescent paint.

v. All exit sign should be flush with the wall and so designated that no mechanical damage to them can result from the removing furniture, material or other equipments.

10. LIGHTING PROTECTION OF BUILDINGS:

i. The lightning protection for buildings shall be provided as given in part 8 Building Services, Section 2 Electrical Installation.

11. PA SYSTEM

- i. A communication system (suitable public address system) shall be provided to all floor of the school to announce safety instruction to teachers, students, staff, etc. and must be connected to the battery backup supply to be always in working conditions.

12. FIRE FIGHTING REQUIRMENT:

A. PORTABLE FIRE EXTINGUISHER:

- i. The first aid fire extinguishers bearing ISI mark shall be installed in the each building.
- ii. The adequate G.I. Fire Bucket stand each of 9 Ltr. Capacity (4 each stand) with dry sand for every 600 sq. mtrs. built up area/per floor shall be provided at appropriate place in the building.

B. HOSE REEL:

- i. The first aid hose reel shall be installed on each floor in the staircase landing of the building for fire fighting and first aid hose reel shall be connected directly to the wet/dry riser main and dia meter of the hose reel shall be not less than 25/19 mm.

C. DOWN COMMER:

- i. The down corner system connected to terrace tank through terrace fire pump and having main not less than 100 mm internal dia meter G.I. C class pipe shall be provided with single landing valve on each floor/landing in the premises.
- ii. Landing valve of wet riser system should be provided with hose box along with delivery hose and a standard branch pipe 19 mm dia meter.
- iii. It may also be fitted with two-way Intel connection at ground level for charging with water by pumping from fire services appliance and air release valve at roof level to release trapped air inside.

D. TERRACE WATER STORAGE TANK:

- i. A satisfactory supply of water for the purpose of fire fighting shall always be available in the form of terrace water storage tank with capacity of **10,000** liters. at terrace level on two staircase.
- ii. The tank shall be connected to the down comer through a booster pump through non-return valve and gate valve hose etc.

E. FIRE PUMP

- i. Down Commer system shall be connected to an electrical centrifugal booster fire pump having capacity of **900 l/min(15 HP & 50m Head)** shall be provided on **two** terrace tank level with minimum pressure of 2.0kg/cm².
- ii. The pumping system should be provided auto control penal system

F. LIGHTING PROTECTION OF BUILDINGS:

- i. The lightning protection for building shall be provided in the premise.

13. GENERAL REQUIRMENT:

- i. Any compartmentation in addition to the proposed plan/existing structure shall be made only with the prior approval of the fire department failing which legal action shall be initiated against applicant.
- ii. **"NO SMOKING" "EXIT" "Fire Extinguisher" "Fire Bucket" and "DANGER"** sign with arrow indicted by way to the escape route shall be provided at suitable height from the floor level on the wall.
- iii. Emergency telephone numbers like **"Police-100" "Fire Brigade-101", "Hospital", "Doctors" "Responsible Persons" and 104 & 108** should be displayed at appropriate place in the School building.
- iv. The eliminate fire hazards good housekeeping both inside and outside the building shall be strictly maintained by School management.
- v. The escape routes shall be kept clear of any obstruction and that all the gates shall be kept unlocked during the occupancy of the School building.
- vi. The School chowkidar/Caretaker shall switch off all electrical equipment installations after School hours or after closing of School.
- vii. The various types of posters for educating students and teachers on the issue of fire safety and that shall be displayed prominently in the school premises. In some cases, it might even be desirable to keep permanent boards prepared on issue related to fire safety.
- viii. The all furniture of the school including chairs and table must be got printed with fire retardant paints.

- ix. The kitchen should be on ground floor only away from the classroom and LPG cylinders shall also kept in a separate enclosure away from the classrooms.
- X. The teaching and non-teaching staff or any of the able students should have undergone any first aid fire fighting training.
- xi. "FIRE/EVACUATION DRILLS" should be conducted involving all the concerned once in a 03 months for an initial period of one year and subsequently once in 6 months.
- xii. The available first aid fire fighting appliances should be well maintained by conducting periodical inspections and tests to ensure perfect serviceability of them.
- xiii. The record should be maintained to the above extent.
- XIV. The special care towards the physical handicapped persons should be planned to help them during the fire or similar emergencies.
- XV. The teaching staff or management should be take any efforts to create "FIRE AWARENESS TO STUDENT".
- XVI. The store room, office room, library and laboratory sections should be well maintained without any scope for fire accident out of any cause including "electrical origin".
- xvii. There should be adequate safe open place for assembly point within the premises.
- xviii. Any action plans should be implementation for the safe evacuation in the event of fire or g similar emergencies.
- xix. All signs with arrow indicating the escape routes shall be provided at appropriate place in the building.
- XX. It shall be ensured that teachers, students, staff and security staff of the school are trained in handling fire fightingequipments&fire fighting.
- XXi. The applicant shall inform the fire department for inspection of premises after compliance to all above recommendation of the department.
- XXii. He competent authority reserves right to amend any additional recommendations deemed fit during final inspection or in future due to the statutory provisions amended from time to time and in the interest of the protection of the company and employees.
- XXiii. The applicant shall responsible to submit all copies of approved plan of the proposed building within a week from the date of approved plan.
- XXIV. This " Provisional NO Objection Certificate" for the details given above, which shall be treated valid for the period of " **Three year**" from the date of issue and it is your responsibility to get the same renewed after satisfactory inspection of the fire fighting installations and arrangement provide by you.
- XXV. The applicant shall responsible to submit the detailed fire fighting lay out plan before commencement/installation of firefighting equipment in the proposed building.
- XXvi. NOC is issued in life & safety point of view only, the legality of plot & construction shall be confirmed with concerned department only.
- XXvii. This fire NOC is issued in fire prevention and life safety point only, the legality of land/plot, any deviation with respect to construction etc. shall be verified confirmed by the concerned building plan sanctioning authority.
- XXviii. No change purpose of occupancies or title of the building other than approved plan without prior approval of the fire department.

On breach of any of the above conditions the Deptt. shall take punitive/panel action as per Notification No. AIGP/DFS/DD-DNH/FS Rules/2002/281 dtd.31.03.2005, issued under sub-section (1) of section 13 of the Goa, Daman and Diu Fire Force Act, 1986 as extended to the U.T. of Dadra and Nagar Haveli vide Notification No.ADM/LAW/585/1989 dated 24.07.1989.

Your Faithfully



**Asstt. Divisional Fire Officer,
Fire & Emergency Services,
Dadra & Nagar Haveli,
Silvassa**

Copy to:-

1. SO to IGP/Director of Fire & Emergency Services, Dadra & Nagar Haveli, Silvassa.
2. The Chief Officer, Silvassa Municipal Council, Dadra & Nagar Haveli, Silvassa.
3. Office Copy.