



U.T. Administration of Dadra & Nagar Haveli and
Daman & Diu,
Department of Fire & Emergency Services,
Fire Force Headquarters, Somnath,
Nani Daman-396215.
Tele.: (0260) 2242666, Email: sfo-dmn-dd@nic.in.



Application ID. NOC/F202324/01532

Dated:- 24-8-2023

To,
M/s. SHIVPRAKASH MEMORIAL SCHOOL,
Survey No. 263, UMARKUI ROAD, VILLAGE ATHOLA,
NEAR JBF COMPANY, Athola,
DNH- 396230.

Sub : GRANT OF FINAL NOC OF THE EDUCATION BUILDING IN RESPECT OF M/S. SHIVPRAKASH PROPERTIES PVT. LTD., VILLAGE ATHOLA REG GRANT OF FINAL NOC OF THE EDUCATION BUILDING IN RESPECT OF M/S. SHIVPRAKASH PROPERTIES PVT. LTD., VILLAGE ATHOLA REG

Ref: 1. Application dated 08.08.2023.

2. No.DFES/SFO/DNH/NOC/CP/Edu. Build./2020-21/552 dated 27/11/2020,

3. Fire safety Inspection report dated 17.08.2023.

Sir,

This has reference to your application under reference above, it is to inform that M/s. Shivprakash Properties Pvt. Ltd., Athola has applied for grant of Final NOC of proposed Education building having ground floor + 01 Upper floor with total height of 08.20 meters from the general ground level up to the terrace level on land bearing Survey No. 263, situated at Village Athola.

While scrutiny of the proposal, it has been observed that the following documents/papers proper fill up are not available with the proposal.

1. Annexure -I & Annexure issued by the fire agency.
2. Photographs of the fire fighting system & Marginal open spaces.
3. Complete Fire Fighting layout plan with floor wise.
4. Technical details of fire fighting pumping station and water storage tank.
5. Copy of Electric Certificate.
6. All copies of approved plan.
7. All copies of construction permission issued by the DNHPDA.

The above said premise was inspected by the concern fire officers on dated 17.08.2023 in the presence of Shri Sushilkumar Upadhyay and found that the following fire & life safety measure have not complied in the premises as recommended by fire department vide letter dated 27.11.2020.

In view of the above, the following fire safety measures are required to be installed in the premises.

1. COURTYARDS/OPEN SPACES/SET BACK:

- i. The courtyards as above west side the building shall iron shade be free from obstruction and encroachment for fire brigade access at all times.

2. OCCUPANT LOAD:

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

3. DOORWAYS:

- i. The every class room with a capacity of **45 persons** in area as per occupant load should be provided at least **two doorways**.
- ii. The width of all exit door ways 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 should be opening outwardly.
- iv. **CORRIDOORS AND PASSAGEWAYS:** All means of exit including staircase lifts lobbies and corridors shall be adequately ventilated.

4. STAIRCASE:

- i. Sufficient staircases 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 stair way.

5. RSTRICION 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 precautions.
- 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.

6. 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.

7. 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 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 exits signs 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.

8. D.G. SET:

- i. A stand by D.G. set with appropriate change over switch shall be provided to supply power to staircase and common corridor lighting circuit, fire lift, the stand-by fire pump, pressurization fans and blowers whichever is applicable in case of failure of normal electric supply. The generator shall be capable of taking starting current of all the machines and circuits stated above simultaneously.
- ii. Generator set is uses in the school premises apart from necessary precautions to take care of noise or air pollution, it should be ensured that this generator set is located either on a separate floor or in a separate part of the building with direct access from outside.

9. LIGHTNING PROTECTION OF BUILDING

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

10. FIRE FIGHTING REQUIREMENT:

- i. The following requirements of fire fighting installation should be provided as given below as per table 23, part 4, NBC of India, 2005.

11. FOR BUILDING WITH GROUND + TWO OR MORE STOREY.

A. PORTABLE FIRE EXTINGUISHERS:

- 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 Ltrs. Capacity (4 each stand) with dry sand 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 each building/Department for fire fighting and first aid hose reel shall be connected directly to the down comer main and dia meter of the hose reel shall be not less than 25/19 mm.

C. DOWN COMMER:

- i. The down comer 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 each staircase.
- ii. Down comer points should be provided on each floor 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 inlet connection at ground level of each building/department for charging with water by pumping from fire services appliance and air release valve at roof level to release trapped air inside.

D. FIRE ALARM SYSTEM:

- i. The manually operated electric fire alarm (**MOEFA**) system with main control penal at ground floor level and pill-boxes and hooter at each upper floor level shall be provided at appropriate places in the each building.

E. 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 at each staircase.
- ii. The tank shall be connected to the down comer through a booster pump through non-return valve and gate valve.

F. FIRE PUMP:

- i. Down Comer system shall be connected to electric coupled centrifugal booster fire pump having capacity of **900 l/min (12 HP & 35m Head)** shall be provided on each staircase of **building** including admin building at terrace tank level with minimum pressure of 2.0kg/cm^2 .
- ii. The pumping system should be provided **auto control penal system** on each pumping station.

G. PUBLIC ADDRESS SYSTEM:

- i. The suitable **integrated public address system/communication system** shall be provided on each floor in the building to announce safety instruction to employees.
- ii. Control penal of the suitable integrated public address system/communication system shall be at appropriate place.

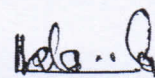
12. GENERAL REQUIRMENT:

- i. Any compartmentation in addition to the proposed plan/existing structure shall be made only with the prior approval of the fire department.
- ii. **EXIT Fire Extinguisher** and **DANGER** sign with arrow indicated by the way to the escape route shall be provided at a suitable height from the floor level on the wall.
- iii. Emergency telephone numbers like **Police - 100, Fire Brigade - 101, Hospital 108, Doctors - 104 and Responsible Persons** should be displayed at appropriate place in the school building.
- iv. To eliminate fire hazards, good housekeeping both inside and outside the building shall be strictly maintained by the School management.
- v. The all 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.
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- viii. 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.
- 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 record should be maintained to the above extent.
- xiii. The special care towards the physical handicapped persons should be planned to help them during the fire or similar emergencies.
- xiv. The teaching staff or management should be taken any efforts to create **FIRE AWARNES TO STUDENT**.

- xv. 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.
- xvi. There should be adequate safe open place for assembly point within the premises.
- xvii. **Floor number** and all **signs** with exit/arrows indicating the escape routes, staircase shall be provided on each floor at appropriate place in the building.
- xviii. **Fire safety/Emergency evacuation plan** of the educational building shall be prepared and conduct mock drill periodically.
- xix. It shall be ensured that teachers, students, staff and security staff of the school are trained in handling fire fighting equipments & fire fighting.
- xx. The applicant shall inform the fire department for inspection of premises after compliance to all above recommendation or before applying for obtaining occupancy/completion certificate of the building whichever is earlier.
- xxi. The applicant shall required to obtained **Final No-Objection Certificate** before applying for obtaining occupancy/completion certificate of the building failing which the same should be cancelled
- xxii. **The Competent Authority shall issue occupancy /completion certificate only after the Final No-Objection Certificate by the fire department.**
- xxiii. The 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.
- xxiv. The undersigned 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.
- xxv. After compliance to all above recommendation the inspection of the same will be carried out by the representative of this office & after satisfactory inspection Final No-Objection Certificate will be issued.
- xxvi. Right to reject/withdrawn N.O.C. at any time without any notice is vested/reserved with the competent authority if the conditions stipulated above are not complied with.

It is therefore, requested to compliance the above fire safety measures in first instant and submit the satisfactory compliance report for further necessary action.

Your Faithfully



**Assistant Director,
Fire & Emergency Services,
Daman**

Copy to:-

1. PA to DIGP/Director of Fire & Emergency Services, D&NH and D&D, Silvassa.