

U.T. Administration of  
Dadra & Nagar Haveli and Daman & Diu,  
Department of Fire and Emergency Services,  
Silvassa - 396 230.  
Email ID: [fire-dnh@nic.in](mailto:fire-dnh@nic.in)

No. DFES/SFO/DNH/NOC/RCP/Edu. Build./2021/ 472

Dated. 11/08/2021.

To,

M/s. Lions Club of Silvassa Charitable Trust,  
Survey No. 824P, 847/1P, 825, 826/1, 846/3, 847/2, 846/1 & 846/2,  
Village - Silvassa

Sub: Grant of Fire N.O.C. for construction permission of the Education Building in respect of M/s. Lions Club of Silvassa Charitable Trust,, Village - Silvassa.

Ref: 1. Application dated 22.06.2021.

Sir,

This has reference to your application under reference above, it is to inform that M/s. Lions Club of Silvassa Charitable Trust, Silvassa has applied for grant of fire NOC for construction permission of the college building having ground floor + 06 upper floor with total height of **29.25 meters** from the general ground level up to the terrace level and auditorium building having ground floor + 02 upper floor with total height of **23.83 meters** from the general ground level up to the terrace level on land bearing Survey No. 824P, 847/1P, 825, 826/1, 846/3, 847/2, 846/1 & 846/2 Situated at Silvassa, DNH.

The proposed education building plan, the details of the construction/building and plot area are shown in the plan of the education building as submitted by the applicant which are as under:

Sr. No.	Particulars of Construction		Total B/U area (Sq. M.)	
	No. of floor	Built up area Proposed for CP		
01.	Total Plot area		32445.00	
	Permissible ground coverage @33 %		10706.85	
	Proposed ground coverage @ 25.77 %		8361.41	
	Permissible F.S.I./FAR @ 2.00%		64890.00	
	Consumed F.S.I @ 1.22 %		39738.70	
	02.	No. of floor	College Bld.	Auditorium Bld.
Ground floor		5370.69 (Parking)	2990.72 (Parking)	8361.41
First floor		4813.23 (18 Classroom) (06 Room) (06 Big/Hall Room)	1110.31 (01 Conference Room) (01 Staff Lunch) (01 Pantry) (01 Training Room) (01 Examiners Refreshment) (01 Meeting Room) (01 Waiting Room) (01 Record Room) (01 Server Room) (01 CCTV Room) (01 Trustee's Cabin) (01 Account Room) (01 Chairman Cabin)	5923.54

LIONS CLUB OF SILVASSA CHARITABLE TRUST

*M. S. Jayaraman*  
SECRETARY

*N. S. Jayaraman*  
22/08/21  
PRINCIPAL  
LIONS ENGLISH SCHOOL  
SILVASSA

*J. S. Jayaraman*

			(01 Assistance Room) (01 Administration)	
	Second floor	4576.83	2648.99 (01 Auditorium Capacity 1850)	7225.82
	Third floor	4576.83	--	4576.83
	Fourth floor	4576.83	--	4576.83
	Fifth floor	4497.44	--	4497.44
	Sixth floor	4576.83	--	4576.83
	<b>Total proposed built up area</b>	<b>32988.68</b>	<b>6750.02</b>	<b>39738.70</b>
03.	Total height of the building	29.25	23.83	--
04.	General lift	03	02	--
05.	Fire lift	03	00	--
05.	No. & width of staircases	03/1.53, 03/1.58 & 03/2.05	04/2.00	--
06.	Travelling Distance M	20.60 m	22.00 m	--
07.	Seating Capacity	--	1850 Person	--

The site abuts have single main road about 20.00 Meters wide on South side as shown on the plan. Open space around the building from plot boundary is as shown as per building plan below.

North Side - 09.00 from the building line  
 South Side - 09.00 from the building line + 20 meter wide road.  
 East Side - 09.00 from the building line  
 West Side - 09.00 from the building line

While scrutiny of the proposal, and as per this office record, a renewal of fire NOC of M/s. Lions Club of Silvassa Charitable Trust, on land bearing Survey No. 849/2,848/1/P, 824/P, 825,842/2,846/1864/2,864/3 & 826/1, Situated at Silvassa is pending since 2012. This is clear cut violation of fire protection and life safety measures.

In this regard, the applicant has submitted an undertaking inform of self declaration vide dated 06-07-2021 that all fire safety measures will complied and obtain renewal of fire NOC of M/s. Lions Club of Silvassa Charitable Trust, within 06 (six) months or before apply final fire NOC of the proposed building whichever is earlier failing which the final fire NOC of the proposed building shall not be issued by the Fire Department and I/we shall liable for punitive/panel action as per Notification No. AIGP/DFS/DD-DNH/FS Rules/2002/281 dated 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 Dadra and Nagar Haveli vide Notification No.ADM/LAW/ 585/1989 dated 24.07.1989.

In view of the above, so far as department is concerned, there would be no objection from the fire safety point of view for grant of provisional fire NOC for construction permission of the college building having ground floor + 06 upper floor with total height of 29.25 meters from the general ground level up to the terrace level and auditorium building having ground floor + 02 upper floor with total height of 23.83 meters from the general ground level up to the terrace level on land bearing Survey No. 824P, 847/1P, 825, 826/1, 846/3, 847/2, 846/1 & 846/2 Situated at Silvassa, DNH, 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.
- (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 4.5 meters. If an arch or covered gate is constructed, it shall have clear headroom of not less than 5meters.

**2. COURTYARDS/OPEN SPACES:**


- (i) The open space at front shall not be less than 9 meters and other 3 side open spaces around the building shall not be less than 08 meters as per DC Rule 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 including parking of vehicle fire brigade access at all times.

**3. STAIRCASE:**

- (i) The staircase shall be terminate at ground floor level and divert to the basement if any.
- (ii) The minimum staircases of not less than 1.50 meters width shall be provided on each floor in the each building.
- (iii) No gas piping or electrical panels shall be allowed in the stairway.
- (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 paints.
- (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 any other equipments.

**4. DOORWAYS:**

- (i) Every room with a capacity of 45 persons in area should be provided at least two doorways/doors.
- (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.
- (iv) No. sliding door of the or overhead should be installed
- (v) The door of the central corridor should be opening inwardly.
- (vi) The doorways can be openable from inside and not opening immediately on flight.



- (vii) No exit doorway shall be less than 1000 mm width and doorways shall be not less than 2000 mm in height.
5. **FIRE RESISTANT DOOR :**
- (i) The Fire doors of 2 hrs. Fire Resistance Rating shall be provided at the entrance of the all staircases on all floors in the building.
- (ii) The applicant should be submitted a certificate from the competent authority.
6. **FIRE LIFT:**
- (i) Fire lift shall be provided in each commercial be as per the specification laid down under the NBC of India - 2016.
- (ii) Minimum 03 fire lift shall have loading capacity if not less than 544 kg. (08 person lift) with automatic closing doors of minimum 0.8 Mtrs width.
- (iii) In case of fire, only fireman shall operate the fire lift. In normal course, it may be used by other person.
- (iv) The electric supply shall be on separate service from electric supply mains in a building.
- (v) The words 'Fire Lift' shall be conspicuously displayed in fluorescent paint on the lift landing doors at each floor level.
- (vi) Fire fighting lift should be provided with a ceiling hatch for use in case of emergency, so that it should easily openable.
- (vii) **Owner/Builder shall be produced a certificate of the same at the time of final N.O.C.**
7. **STAIRCASE AND CORRIDOOR ESCAPE ROUTE LIGHTING:**
- (i) Escape route i.e. staircase and common corridor, lift, etc. lighting shall be on independent/separate circuits and shall be independently connected so as it could be operated by one switch installation on the ground floor easily accessible to fire staff at any time irrespective of the position of the individual control of the light points, if any.
- (ii) Emergency lights shall be provided in the staircase and corridor.
- (iii) All escape exits routes shall be provided clearly visible & illuminated sign with battery backup emergency alternate power supply in the premises.
8. **ELECTRICAL SERVICES:**
- (i) The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every alternate floor with non-combustible materials having some fire resistance as that of the duct.
- (ii) Medium and low voltage wiring running in shafts and within false ceiling shall run in metal conduit.
- (iii) Any 230 V wiring for lighting or other services, above false ceiling shall have 660V grade insulation.
- (iv) Water mains, telephone lines, intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables.
- (v) Separate circuits for water pumps, lifts, staircases & corridor lighting shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fire in one circuit will not affect the others.
- (vi) The electric wiring shall be made from a registered electrical contractor and contractor shall be produced a certificate for electrification of the building as per relevant rules.

**9. ALTERNATIVE SOURCE OF ELECTRIC SUPPLY/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, smoke extraction and damper systems in case of failure of normal electric supply.
- (ii) The generator shall be capable of taking starting current of all the machines and circuits stated above simultaneously.

**10. FIRE RATED FLOORING:-**

- (i) The flooring carpet should have also adequate fire retardant material.
- (ii) Applicant shall be produced a Certification in this regards from concerned agency/authority at the time of final NOC proposed.

**11. ELECTRICAL PANEL:**

- (i) Gas based tubing System shall be provided in the main electric panel and servers of the each building.

**12. 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.

**13. FIRE FIGHTING REQUIRMENT:**

**A. PORTABLE FIRE EXTINGUISHER:**

- (i) First aid fire extinguishers bearing ISI mark shall be installed in the building as per the scale laid down in IS 2190:1992 and shall be maintained periodically. So as to ensure their perfect serviceability at all time and keep ready for inspection by officer from the fire department in time to time.

**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 19 mm.

**C. WET RISER:**

- (i) The Wet Riser system connected to a fire pump at ground level and having main not less than 100 mm internal dia meter G.I./M.S. 'C' class pipe shall be provided with single landing valve on each floor/landing in the premises.
- (ii) Landing valve should be provided with hose box along with delivery hose and a standard branch pipe 19 mm dia meter.
- (iii) The Wet Riser system shall connected to other proposed 02 high rise buildings.

**D. AUTOMATIC SPRINKLER SYSTEM**

- (i) The automatic sprinkler system shall be provided/installed proposed floor including common corridor, car parking area on each floor of the Auditorium building.
- (ii) Automatic sprinkler valve shall be provided on each sprinkler riser.
- (iii) The distance of the sprinkler shall not more than 300 mm below the ceiling.
- (iv) The sprinkler shall be installed preferably upright type on each floor of the each building.
- (v) If false ceiling voids exceeding 800 mm of the height above false ceiling up rite sprinkler also should be provided on each floor.



**E. YARD HYDRANT:**

- (i) External fire hydrant system shall also be installed in the premises at appropriate distance and having main not less than 300/200/150 mm internal dia meter G.I./M.S. "C" class pipe with connect to the diesel/electric centrifugal fire pump to charge hydrant system.
- (ii) Hydrant point should be provided with hose box along with delivery hose and a standard branch pipe 19 mm dia meter.
- (iii) It may also fit with inlet connection (two way collecting head with non return valve) near at main gate for charging with water by pumping by fire service appliances.

**F. FIRE ALARM SYSTEM:**

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

**G. AUTOMATIC SMOKE DETECTION & ALARM SYSTEM.**

- (i) Addressable Automatic detection system (with wired) shall be provided in proposed building including common corridor & electric panels on upper floor of the Auditorium building.

**H. UNDER GROUND WATER STORAGE TANK:**

- (i) A satisfactory supply of water for the purpose of fire fighting shall always be available in the form of underground static water storage tank with capacity of **03,00,000 liters**.
- (ii) The static storage water supply required for above mentioned purpose should entirely accessible to the fire engines of the local fire service. Provision of suitable number of main holes shall be made available for inspection repairs insertion of suction hose etc.

**I. FIRE PUMP:**

- (i) **Two** electric driven (**main pump**) centrifugal booster coupled fire pump capacity 2880 l/min (**70 HP & 70 Meter Head**) shall be provided near the underground static water storage tank with minimum pressure of 3 kg/cm<sup>2</sup> at terrace level for hydrant systems, wet riser and sprinkler system.
- (ii) **One** Diesel driven centrifugal booster coupled fire pump (Standby pump) of capacity 2880 l/min (**98 bHP & 70 Meter Head**) shall be provided near the underground static water storage tank with minimum pressure of 3 kg/cm<sup>2</sup> at terrace level.
- (iii) **Two** electric driven pump (**jockey pump**) of capacity 180 l/min (**15 HP & 70m Head**) shall be provided near the underground static water storage tank for hydrant system, wet riser system and Sprinkler System.
- (iv) The Pumping System should be **auto control panel** system.

**J. FIRE CONTROL ROOM:**

- (i) A Fire Control Room shall be provided on the entrance floor of the building with communication system (suitable public address system) to all floors and facilities for receiving the message from different floors.
- (ii) Details of all floor plans along with the details of fire fighting equipment and installation shall be maintained in the fire control room.

**K. PUBLIC ADDRESS SYSTEM:**

- (i) The suitable integrated public address system/communication system shall be provided on each floor of the Academic Build-1, Library-2, Paramedical Academic Build-4 to announce safety instruction to employees.
- (ii) Control panel of the suitable integrated public address system/communication system shall be at control room.

**L. LIGHTNING PROTECTION OF BUILDINGS:**

- (i) The lightning protection for building shall be provided in the educational building.

**M. RENEWAL OF EXISTING INDUSTRIAL BUILDING:**

- (i) All fire safety measures will be complied and obtain renewal of fire NOC of educational building M/s. Lions Club of Silvassa Charitable Trust, Village - Silvassa, within 06 (six) months or before apply final fire NOC of the proposed building whichever is earlier failing which the final fire NOC of the proposed building shall not be issued by the Fire Department as per self declaration vide dated 06-07-2021.

**N. SEATING ARRANGEMENTS:**

- (i) The Seating arrangement shall be provided on Upper Ground floor, First floor & Second floor of the proposed building as per clause 6.4.2.1 of NBC - 2016.

**O. AIR CONDITIONING:**

- (i) Escape route like staircase, common corridors, lift lobbies etc. shall not be used as return air passage.
- (ii) The ducting shall be constructed for substantial gauge metal in accordance with IS: 655-1963.
- (iii) Wherever the ducts pass through fire walls or floors, the opening around the ducts shall be sealed with materials having fire resistance rating of the compartment.
- (iv) Where ducts cross a compartment which is fire rated, the ducts shall be fire rated for same fire rating. Further depending on services passing around the ducts work, which may get affected in case of fire temperature rising, the ducts shall be insulated.
- (v) As far as possible, metallic ducts shall be used even for the return air instead of space above false ceiling.
- (vi) Where plenum is used for return air passage, ceiling and its fixtures shall be of non-combustible material.
- (vii) The materials used for insulating the duct system (inside or outside) shall be non-combustible material such as glass wool etc. Glass wool shall not be wrapped or be of non-combustible material.
- (viii) Air ducts serving main floor areas, corridors, etc. shall not pass through the staircase enclosure.
- (ix) The air-handling units shall be separate for each floor and air ducts for every floor shall be separate and in no way inter-connected with the ducting of any other floor.
- (x) If the air-handling unit serves more than one floor, the recommendations given above shall be complied with in addition to the conditions given below:-
  - a) Proper arrangement by way of automatic fire dampers working on smoke detector or fusible link for isolating all ducting at every floor from the main riser shall be made.



- b) When the automatic fire alarm operates, the respective air-handling units of the air conditioning system shall automatically be switched off.
- (xi) The vertical shaft for treated fresh air shall be of masonry construction.
  - (xii) The air-filters of the air-handling units shall be of non-combustible materials.
  - (xiii) The air-handling unit room shall not be used for storage of any combustible materials.
  - (xiv) Inspection panels shall be provided in the main trucking to facilities the cleaning of ducts of accumulated dust and to obtain access for maintenance of fire dampers.
  - (xv) No combustible materials shall be fixed nearer than 10 mm to any duct unless such duct is properly enclosed and protected with non-combustible material (glass wool or spun glass with neoprene facing enclosed and wrapped with aluminum sheeting) at least 3.2 mm thick and which would not readily conduct heat.

#### 14. GENERAL REQUIREMENT:

- (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) The 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.
- (vi) The school Chowkedar/Caretaker shall switch off all electrical equipment installations after school hours or after closing of school, whichever is later.
- (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 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.
- (ix) The teaching and non-teaching staff or any of the able students should have undergone any first aid fire fighting training.
- (x) "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.
- (xi) The record should be maintained to the above extent.
- (xii) The special care towards the physical handicapped persons should be planned to help them during the fire or similar emergencies.



- (xiii) The teaching staff or management should be taken any efforts to create "FIRE AWARENESS TO STUDENT".
- (xiv) 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".
- (xv) There should be adequate safe open place for assembly point within the premises.
- (xvi) **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.
- (xvii) **Fire safety/Emergency evacuation plan** of the educational building shall be prepared and conduct mock drill periodically.
- (xviii) It shall be ensured that teachers, students, staff and security staff of the school are trained in handling fire fighting equipments & fire fighting.
- (xix) 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.
- (xx) 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
- (xxi) **The Competent Authority shall issue occupancy /completion certificate only after the "Final No-Objection Certificate" by the fire department.**
- (xxii) 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.
- (xxiii) 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.
- (xxiv) This is "Provisional NO-Objection Certificate" for the details given above, which shall be treated valid for the period of **one year** from the date of issue and it is your responsibility to get the same renewed after satisfactory inspection of fire fighting installations and arrangements provide by you.
- (xxv) After compliance to al 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.
- (xxvii) NOC is issued in life & safety point of view only, the legality of plot & construction shall be confirmed with concerned department only.
- (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.

This is issued with the approval of DIGP/Director of Fire & Emergency Services, DNH and Daman and Diu vide F.T.S. File No. 765630 dated 11.08.2021.

Yours faithfully,

  
11.08.21

(C. M. Rohit),

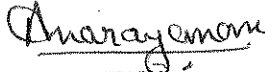
Fire & Emergency Services,  
Dadra & Nagar Haveli,  
Silvassa.

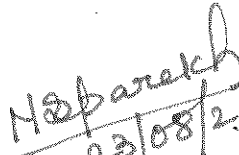
Phone: - 0260-2640022.

Copy to:-

1. PA to DIGP/Director of Fire & Emergency Services, Dadra & Nagar Haveli, Daman and Diu.
2. The Chief Officer, SMC, Dadra & Nagar Haveli, Silvassa.
3. Office copy.

LIONS CLUB OF SILVASSA CHARITABLE TRUST  
TRUST

  
SECRETARY  
SECRETARY

  
23/08/21  
PRINCIPAL  
LIONS ENGLISH SCHOOL  
SILVASSA