



**VASAI VIRAR CITY MUNICIPAL CORPORATION  
FIRE & EMERGENCY DEPARTMENT**

Tel. No.: 0250-2525110,2464811,9822321684,7775042200,8975360101,8888864283,8888864275

VVCMC/FIRE/HQ/32.33/2023-24

DATE: 15/02/2024



To,  
M/s-En Con Project Consultants,  
G-7, "D" Wing, Sethi Palace,  
Ambadi Road, Vasai Road (W),  
Tal-Vasai, Dist-Palghar- 401 202.

**Sub: Grant of "Revised Provisional No Objection Certificate" for School Building located on land bearing S.No.36/1/6/2, S.No.35/C/2 of Village:Agashi, Tal: Vasai, Dist:Palghar.**

- Ref: 1) An Application received from M/s-En Con Project Consultants, Dated:31/01/2024. (VP - 6736)**  
**2) An Application received from Developer Mr.Moreshwar Krushna Baria, Dated:31/01/2024.**  
**3) Total Construction area certificate received from M/s-En Con Project Consultants, Dated:31/01/2024.**  
**4) This office Provisional No Objection Certificate No.VVCMC/FIRE/HQ/587/2020-21, Dated:09/06/2021.**  
**5) RDP issued by VVCMC/TP/RDP/VP-5299/396/2022-23, Dated:20/10/2022.**  
**6) Site Photos Dated:31/01/2024.**

This is a proposal for School Building having Ground floor + 7<sup>th</sup> upper floors with a total height of 28.95mtrs. From general ground level to terrace level.

After Complying these recommendations this department will issue a Final No Objection Certificate for the purpose of occupational certificate.

Use of various floors is as follows:

▪ **SCHOOL BUILDING:-**

Sr. No	Building	Floor	Area (sq.mtr)	Height (mtr)
1	School Bldg	Ground Floor	851.46	0.15
2		1 <sup>st</sup> Floor	902.11	3.75
3		2 <sup>nd</sup> Floor	1003.43	7.35
4		3 <sup>rd</sup> Floor	1003.43	10.95
5		4 <sup>th</sup> Floor	1003.43	14.55
6		5 <sup>th</sup> Floor (Refuge Area)	1003.43	18.15
7		6 <sup>th</sup> Floor	1003.43	21.75
8		7 <sup>th</sup> Floor	1003.43	25.35
9		Total		7774.15

**OPEN SPACE:**

The site abuts on 20.00mtrs wide D.P. Road on South & West side. as shown on the plan.

The side open spaces around the building are as under.

Sides	From Building Line to Plot Boundary
North	6.00mtrs
South	6.00mtrs + 20.00mtr wide D.P. Road
West	6.00mtrs
East	6.00mtrs

The compulsory open space around the building shall not be used for parking & shed.

*Handwritten signature*

## STAIRCASE & LIFTS:

### THE DETAILS OF STAIRCASE:

Staircase description	Type of staircase	Width of staircase	Nos. of staircase
Leading from Ground floor to Terrace floor	Open	2.00mtrs.	02 Nos.
Which are externally located and adequately ventilated. The staircase/s leading from ground floor and then diverted to upper floors.			

### THE DETAILS OF LIFTS:-

Lifts Type	Profile	Nos. of lifts
Passenger lift	Leading from Ground floor to 7 <sup>th</sup> floor.	02 Nos.
One of the lift from lift bank shall be converted into fire lift as per norms The lift lobby and common corridors at each floor level is adequately ventilated to outside air, as shown in the plan.		

### THE DETAILS OF REFUGE AREA:-

Refuge area is provided Building at 5<sup>th</sup> floor as follows.

Location of refuge area	Height from ground level (mtr)	Provided refuge area (Sq.mtrs)
5 <sup>th</sup> Floor	18.15	60.79

In addition to this, terrace floor above 7<sup>th</sup> floor will be treated as Refuge Area.

### DIRECTIONS ARE GIVEN BELOW:

#### ACCESS:-

Minimum one entrance & one exit gates provided with minimum width 5mtrs. Each and Archways if any provided shall have height clearance of 5mtrs shall be provided.

**REQUIREMENT & PROVISIONS:-** The Following active fire protection system will be required to the safety of the buildings (School Building):-

SL	FIRE FIGHTING INSTALLATION	REQUIREMENT S	PROVISION	REMARKS
1	FIRE DUCT	Each floor level including ground floor fire duct should be provided It should be typically 1mtr x 1mtr with service platform.		
2	PORTABLE FIRE EXTINGUISHERS	Required at Electric meter Room, Lift Machine Room, Every Floor & Prominent places of building	IS: 2190 & IS: 15683	a. Two Dry Chemical Powder (A.B.C.) type fire extinguisher of 6 kgs. Capacity having I.S.I. certification mark and two buckets filled with dry, clean sand shall be kept in Electric meter Room as well as Lift Machine room. b. Dry Chemical Powder (A.B.C.) type fire extinguishers of 6 Kgs. Capacity having I.S.I. certification mark shall be kept at ground floor. c. One dry chemical powder (A.B.C.) type fire extinguishers of 5 kgs. Capacity having IS certification mark shall be kept on each floor level.
3	HOSE REEL HOSE	One each floor in the staircase landing for fire fighting. Hose reel shall be connected directly to risers/ down corner main and diameters of the hose reel shall not be less than 19mm with IS 884, 1985.		
4	HOSE BOX	15mtrs Flax RRL hose fitted with male & female coupling of 63mm dia with one nozzle shall be in separate hose box on alternate floor.		
5	COURTYARD HYDRANT	External courtyard hydrants shall be provided in the building on the site at prominent places.		
6	SIAMESE CONNECTION	One Siamese connection (2 way) shall be provided at entrance gate of building.		



*Signature*

8	<b>UNDERGROUND WATER STORAGE TANK</b>	Required 50000 liters capacity.	An underground water storage tanks for 50000 liters capacity shall be provided at location marked on the plan, as per the design specified in the rules with baffle wall and fire brigade collecting breaching. Both the tanks shall be interconnected.
8	<b>OVERHEAD WATER STORAGE TANK</b>	Required 25000 liters capacity	Tank of 25000 liters capacity shall be provided at the terrace level. The design and layout shall be got approved from H.E.'s department prior to erection. The tank shall be connected to the wet riser through a booster pump through a non-return valve and gate valve.
9	<b>AUTOMATIC SPRINKLER SYSTEM</b>	Required in each habitable room, parking areas, lift lobby and common corridor at each floor level & Prominent places of building	standard laid down by T.A.C and relevant I.S. specifications. Automatic sprinkler system shall be provided in entire building including each habitable room, parking areas and lift lobby and common corridor at each floor level. The automatic sprinkler system shall be installed as per the standard laid down by T.A.C. and relevant I.S. specifications.
10	<b>FIRE PUMP</b>		<ul style="list-style-type: none"> <li>i) Wet riser shall be connected to a fire pump at ground level of 1620 litres / min capacity giving a pressure of not less than 3.2 kgs / sq cms at the topmost hydrant along with jockey pump of a suitable size</li> <li>ii) Booster pump of capacity of 900 liters / min. having a pressure of not less than 3.2 kgs / sq cms. at the hydrant outlets of the wet riser-cum-down comer shall be provided at the terrace level of the building</li> <li>iii) An independent sprinkler pump of suitable capacity along with jockey pump shall be provided for automatic sprinkler system.</li> <li>iv) Control panel / operating switches shall be located on ground floor.</li> <li>v) Electric supply (normal) to these pumps shall be on independent circuit.</li> <li>vi) One stand by pump of same capacity fire pump</li> <li>vii) Installation of negative section arrangement and submersible pump shall not be allowed.</li> <li>viii) Fire pumps shall be provided with soft starter or variable frequency drive starter.</li> </ul>
11	<b>ALTERNATE SOURCE OF POWER SUPPLY</b>		An alternate source of L.V. / H.V. supply from separate substation or through D.G set with appropriate change over switch shall be provided for fire pumps, booster pump, staircase and corridor lighting circuits and manual fire alarm system. It shall be housed in a separate cabin.
12	<b>FIRE ALARM SYSTEM</b>		The building shall be provided with manual fire alarm system with main control panel at ground floor level and pill-boxes and hooters at each upper floor level. The layout of fire alarm system shall be in accordance with I.S. specification.
13	<b>AUTOMATIC SMOKE DETECTION SYSTEM</b>	Required in Electric meter room, common corridor at each floor level & lift machine room & prominent places of Building	Automatic smoke detection system with main console panel at ground floor level shall be provided in Electric meter room, common corridor at each floor level & lift machine room as per the standard laid down by T.A.C. or relevant I.S. specification.
14	<b>SIGNAGE'S</b>		Self glowing / fluorescent exit signs in green color shall be provided showing the means of escape for the entire building.

In case of a high rise building having 2 enclosed type staircase the position of staircase shall be planned as such that both staircase are positioned in opposite site to each other and should be connected by passage of minimum width of 1.50mtr.

The provisional Noc is issued at the beginning of the new site work. It is expected that developers take the good care of the possible provisions mentioned in provisional fire Noc. You can take Co-Operation of fire license agencies operation here of search on Maharashtra

*tyen*

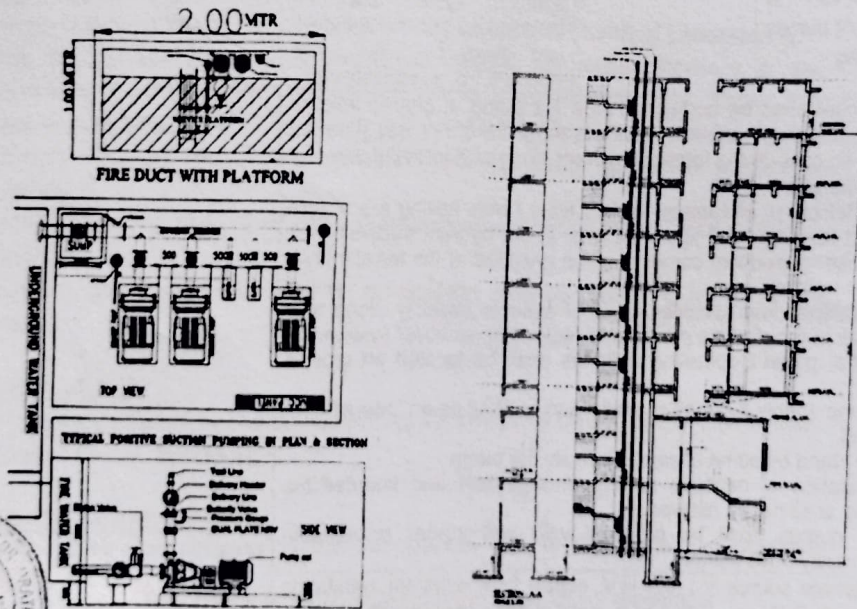
Fire Services (MFS) web site [www.mahafireservices.gov.in](http://www.mahafireservices.gov.in) to interpret the provisional fire NOCs as far as civil and other provisions are concerned or else suggest developers to contact fire license agencies for possible provisions at ongoing sites.

We also appeal through you to Developers / Owners / Occupiers to join & spread awareness of the Maharashtra Fire Prevention & Life safety Measures Act 2006 especially regarding the compliance of the fire prevention and life safety measures in form "A" or maintenance there of in good repair & efficient condition in form "B" on January & July of every year.

All the affidavits, Undertaking, Declaration submitted for Final Noc / Renewal Noc shall be made on Rs. 500/- stamp paper, and shall have a Notary before me stamp along with serial number and date.

Utmost safety of citizens & their properties is our motto, and you are our extended arms to make good provisions in our endeavors for this noble mission. We look forward for your positive Co-Operation in order to make our city a better and safer city.

For reference & necessary action, We are enclosing typical diagrams for Fire Duct, Positive suction pump room.



#### **CAR PARKING :-**

- i) Car parking shall be permitted in the designated area.
- ii) The parking area shall not be used for dwelling purpose & repairing / maintenance purpose, at any time. Dwelling use of naked light/flame, repairing /maintenance of vehicles shall be strictly prohibited in the parking area.
- iii) Repairing / servicing of cars, use of naked light shall not be permitted in the car parking areas.
- iv) The drive way shall be properly marked & maintained unobstructed

#### **GUIDELINES FOR SCHOOL BUILDINGS:-**

1. The Urban Development Department Govt. of Maharashtra had issued guidelines for Safety of Educational Buildings vide letter No. FFS-2004/419/CR-121/UD-6, Dt:06/08/2004 & Circular issued by School Education Department, Govt. of Maharashtra vide No.2004(155/04)/Training-4, Dt:22/07/2004 which shall be scrupulously followed.
2. Building intended for educational occupancy shall not be used for any hazardous occupancy.
3. Storage of Volatile Flammable Liquids shall be prohibited and handling of such liquids shall be restricted to Science Laboratories only.

*Handwritten signature*

4. Exists and other means of Escape like Corridor & Staircase shall be kept free from any kind of Obstruction & Combustible Materials such as Benches, Chairs etc. Combustible materials like Old Newspaper, Wooden Furniture's, Gunny Bags etc. shall not be kept store on the Lofts.
5. Exist shall be so arranged that at least two separate exits are available in every floor area. Exits shall be as remote from each other as practicable and so arranged tant there are no pockets or dead ends.
6. During Annual Function or any programmes where temporary structure i.e. Pandal or Shamiyana is erected, proper approval from Fire Department is to be taken All necessary guidelines issued by Fire Department shall be scrupulously followed.
7. Every room or class room with a capacity of more than 40 persons in area shall have at least two doorways for exit of not less than 900m.m. wide.
8. The latest order by Hon'ble supreme court's judgment shall be also be followed scrupulously.

#### GUIDELINES FOR CHEMICAL LOBORATORY:-

- a) Guidelines should be followed form IS:4209 Code of Safety in Chemical Laboratories.
- b) Portable fire fighting equipments should be installed at various locations in the Administrative Building. Office Building and Stores, such as Co2, DCP, Foam, Fire Buckets should be strictly confirming to relevant IS Specification. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
- c) In addition to this 4 Nos. of 4.5Kgs DCP Extinguishers should be installed within the Laboratory.
- d) All burners, gas pipings etc. used for lab purpose shall be confirming to relevant IS standars.

#### ENTRANCE DOORS:

Each entrance doors shall be of solid core having fire resistance of not less than half an hour (solid wood of 45 mm. thicknesses).

#### ELECTRICAL SERVICES:-

- i) Electric cables shall not pass through the staircase walls or shall be taken in concealed manner.
- ii) Inspection door of the shaft if provided shall have two hours of fire resistance.
- iii) Electric meter room shall be provided at the ground floor at the marked on the plan it shall be adequately ventilated.
- iv) Electrical shafts shall be sealed at each floor level with non combustible material such as vermiculite concrete.
- v) Electric wiring shall be having copper core having the fire resistance and low smoke hazard cables for the entire building with provision of ELCB/MCB in electrical installation of the building.

#### EXIT REQUIREMENT:-

1. An exit may be doorway, corridor, Passageway(a) to an internal staircase, or external staircase, or to a verandah or terrace(a), which have access to the street, or the roof of a building at the same level except Ground Floor in present case.
2. Every exit, exit access or exit discharge except one behind Fire staircase on each floor shall be continually maintained free of the obstructions or impediments to full use in the case of fire or other emergency
3. Exit shall be clearly visible and the route to reach the exits shall be clearly marked and signs posted to guide the occupants of the floor concerned, Signs shall be illuminated as wired to an independent electric circuit on an alternative source of supply
4. All exits shall provided continuous means of egress except one behind Fire staircase on each floor to the exterior of building or to an exterior open spaces leading to the street
5. Exits shall be so arranged that they may be reached without passing through another occupied unit

*[Handwritten signature]*

### STAIRCASE:

- i) The layout of the main staircase shall be enclosed type as shown in the plan throughout its height.
- ii) The flight width of the main staircase shall not be less than 1.50mtrs throughout its height.
- iii) Permanent vent at the top equal to 5% of the cross-sectional area of the staircase shall be provided.
- iv) Open able sashes or R.C.C. grills with clear opening of not less than 0.5 sq.mtrs. per landing on the external wall of the staircase shall be provided.
- v) Nothing shall be kept or stored in staircase / passage.

The terrace staircase door shall be provided in the following manner:

- a) The top half portion of the doors shall be provided with louvers.
- b) The latch-lock shall be installed from the terrace side at the height if not more than 1 mtrs.

The glass front of 6-inch diameter with the breakable glass shall be provided just above the latch lock, so as to open the latch in case of an emergency by breaking glass

### STAIRCASE AND CORRIDOR LIGHTINGS:-

1. The staircase and corridor lighting shall be on separate service and shall be independently connected so as it could be operated by one switch installation on the ground floor easily accessible to fire fighting staff at any time irrespective of the position of the individual control of the light points, if any.
2. Staircase and corridor lighting shall also be connected to alternate source of supply.
3. Suitable arrangements shall be made by installing double throw switches to ensure that the lighting installed in the staircase and the corridor do not get connected to the sources of supply simultaneously. Double throw switch shall be installed in the service room for terminating the stand by supply.
4. Emergency lights shall be provided in the staircase/corridor.
5. Passageway should be provided as per the guidelines given in National Building Code-2016.

### TERRACE DOOR:-

- a) The top half portion of the doors shall be provided with louvers.
- b) The latch-lock shall be installed from the terrace side at the height of not more than 1 mtrs.

The glass front of 6 inch diameter with the breakable glass shall be provided just above the latch lock, so as to open the latch in case of an emergency by breaking the glass.

### OTHER REQUIREMENTS:-

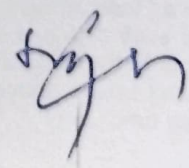
1. Building intended for educational occupancy shall not be used for any hazardous occupancy.
2. Every room or class room with a capacity of more than 40 person in area shall have at least two door ways for exit of not less than 900.m.m. width. Storage of volatile flammable liquids shall be strictly prohibited and the handling of such liquids shall be restricted to science laboratories only.

### ALTERNATE SOURCE OF POWER SUPPLY:-

An alternate source of LV/HV supply from a separate substation or from a diesel generator with appropriate changeover over switch shall be provided for fire pumps, sprinkler pump, jockey pump, corridor lighting circuits and fire alarm system, detection system etc. if any and it shall be housed in separate cabin.

### TRAINED FIRE FIGHTING STAFF:-

- 1) To operate all fire fighting equipment with standard operating procedure. There should be 24 x 7 = 365 days Trained fire fighting personal should be appointed who may completed the course of "Fireman" from State Fire Training Center, Mumbai.
- 2) Maintenance of all the first aid fire fighting equipment's, fixed installations & other fire fighting equipment's / appliance in good working condition at all times.



- 4) To liaise with the City Fire Brigade on regular & continual basis.
- Imparting training to the occupants of the building in the use of firefighting equipment provided on the premises & kept them informed about the fire & other emergency evacuation procedures.

**GENERAL CONDITIONS:-**

1. Inflammable goods / explosives shall not be allowed to store in the premises.
1. All material required to be used for protection must be of BIS mark.
2. The entire fire protection system must be painted in red color.
3. First aid box should be provided at society office security cabin.
4. The other provisions of D.C. Rules of V.V.C.M.C., U.D.C.P.R-2020, N.B.C. part IV, 2016 & Maharashtra Fire Prevention & Life Safety Measures (Amendment) Act - 2023. Should be strictly followed.
5. Fire Escape Balcony must open on every floor & protected with suitable railings.
6. The schematic, drawings / plans, BOQ with specifications of firefighting systems i.e. wet riser, sprinkler system, fire alarm system etc. shall not got approved from CFO prior to installation.
7. The test certificates of fire pumps / booster pumps / sprinkler pumps / jockey pumps from the manufacture of the pumps submitted while applying Final Noc from this department.

The undersigned reserves rights to amend any additional recommendations deemed fit during the final inspection due to the statutory provisions amended from time to time and the interest of the protection of structure.

The party has already paid Fire & Emergency Service Fees of Rs.9,55,000/-, vide Receipt No. 895439, Book No.8955, DD.No.013912 (Bassein Catholic Bank), Dated:03/05/2021 & Now the party has paid Rs.87,000/- vide Receipt No.112966, Book No.1130, DD.No.024405 (HDFC Bank), Dated:01/02/2024.

However, D.D.T.P. is requested to verify the total built up area and inform this Department for the purpose of levying additional Capitation fee.

Before starting work of Fix Fire Fighting Installation such plan should approved from under signed authority



*[Signature]*  
**CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION**

Copy to - 1) The Deputy Director Town Planning, VVCMC  
2) Developer - Mr. Moreshwar Krushna Baria.

PLEASE NOTE:- As per The fire prevention & life safety measures Act The fire fighting installation work should be done only by Licensed agency appointed by Vasai Virar City Municipal Corporation or Government of Maharashtra. The list of the Licensed agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) or [www.mfandia.org](http://www.mfandia.org)

*[Signature]*