



Vadodara Fire & Emergency Services

Vadodara Municipal Corporation.

1st Floor, City Command Control Center

Badamadi Baug, Vadodara - 390209

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Fire Safety Opinion

Reg No: - REG230100102

Date: - 04-05-2023

To,

MEHUL UMESH SHAH



Taluka : VADODARA

Dist : Vadodara, Pincode - 390007

Subject : Fire Safety Opinion for the application made by concern person to Vadodara Fire and Emergency Services department for Building to be constructed at site details given below.

Reference : File submitted by you with Inward No.: IN230100209 Date.: 24-04-2023

Site Details: Moje : , ALKAPURI, Taluka - VADODARA, Pincode - 390007, Gujarat, Plot No. NA RS No.-, TP No.-, FP No.-

Type of Occupancy : Residential Buildings

Building Usage : Apartment houses (flats)

This is to inform the Applicant about the application made by him/her on date 24-04-2023 at the concern office with Application Letter and Plan/Drawing for issuing fire safety opinion for the place of Construction mentioned in subject. Considering your application for High-rise / Commercial / Residential Building necessary firefighting system installation and fire safety recommendation for public safety should be followed by Builder/Owner/Occupant all the time. Gujarat Fire Prevention and Life Safety Measures Act, 2013 Rules 2014/2021 and Regulations 2016/2018/2019 along with CGDCR Norms as applicable and NBC guidelines for fire safety should be strictly followed as per the nature of construction.

Building Plan/Drawing submitted by the applicant (Preferably from Registered Organization or Architect) should have all Firefighting arrangements as recommended in Gujarat Fire Prevention and Life Safety Measures Act, 2013, Rules 2014/2021, Regulations 2016/2018/2019, Chapter 04 of National Building Code 2016 and Comprehensive General Development Control Regulations 2017 at all-time as applicable.

Note: For any Building that falls under category where public safety comes under threat as per norms and was constructed before 2017 in person inspection will be done by concern Officer and changes if required will be recommended as per Gujarat Fire Prevention and Life Safety Measures Act, 2013, Rules 2014/2021, Regulations 2016/2018/2019, Chapter 04 of National Building Code 2016 and CGDCR, such changes must be done as suggested without any delay. (Important for TDO Department to take note of)

Details of the Plan/Drawing submitted by the applicant are found as per rules and regulations at time of application.

If in case any changes, addition or subtraction done by the Builder/Owner/Occupant in presented Plan/Drawing after getting necessary approval, the issued opinion certificate will be considered as terminated.

Site Details as per Plan/Drawing :

Type & Occupancy: Residential Buildings, Apartment houses (flats)
Height of Building: 18
Area of Construction: 318.74
Number of Towers: 1
Number of Basement/Floor: G + 5
Building Name: NA

Name and Number will be mentioned as per TDO Letter (No : 233/23-24, Date : 03-05-2023)only, in case of any changes in name and number or Dispute, Department of Vadodara Fire & Emergency Services will not take any

Once the construction of Building is done, inspection will be done by the concern officer if construction is found as per the proposed plan presented and satisfactory only then Fire Safety Certificate will be issued.

Note : For The Issued NOC Construction Should be done only till 44 meters of Heights as VFES Vadodara holds ALP 44 meters, Any height above 44 meters cannot be served in case of Emergency. Construction resume notice will be issued once Vehicle procurement is done.

Note :




Parth Brahmbhatt
I/c. Chief Fire Officer
Vadodara Municipal Corporation
Vadodara

Place : Vadodara

(R.S.No.=Revenue Survey Number, CS No.=City Survey Number, FP=Final Plot, TP=Town Planning Scheme)

Copy to: Town Development Officer, Vadodara Municipal Corporation. Process initiated as per the law at our end.

General Requirement for Buildings:

- In reference to Chapter 4 of National Building Code of India all rules to be followed for Fire and Safety.
- Every tower should have 6 inch (150 MM) Internal Diameter (Above 18 Mtr.) GI pipe with Wet Riser system properly painted in red also Pipes which are underground should be covered and coated.
- On every floor of tower there should be proper Hose Box with Hose pipe of 63mm Diameter 1 Branch pipe with Valve on riser line. This condition should be applicable to all towers in case of multiple towers.
- Fire alarm should be placed on each and every floor, which should be audible to entire tower in case of emergency.
- 6KG Capacity ABC Stored pressure Fire Extinguisher & CO2 fire extinguisher of 4.5 KG Capacity 1 on every floor with ISI approved "Certificate" with Tower name.
- Courtyard/Margin should be as per standard and motorable road should be obstacle free for Hydraulic Elevated Platform to work in case of fire. (As per Drawing)
- Staircase should be constructed in such a way that Travel Distance should not exceed 22.5 Meters between two Staircase,
- Exits staircase and Fire Tower should have a Class-1 fire rating and material used for construction should have 4-hours fire resistance capacity
- One Skip Floor mandatory above 35 meters of construction which will be used as refuse area/Duplicate Pump room with system booster pump along with this 20,000 liters water tank.
- Passage road should be of 50 tons load bearing capacity.
- In case of multiple wings there should be joint service floor.
- Building used above 44 meters should not be done/ allowed till new Hydraulic platform is obtained
- For hollow parking sprinkler system is must with Yard Hydrant.
- Emergency Close Valve to be placed at Height of 4 Feet on Fire Hydrant Raiser line in each tower.

- All Fire Fighting Instruments irrespective to size must have Buildings name engraved or painted on it.
- All side of the Construction site should be clear for operation by Fire Department in case of emergency; In case if there are any Telecom Electric or Trees planted such obstacles should be cleared.
- All Drain covers and flooring within premises should be of heavy duty with minimum load bearing capacity of 25 Tons if building is below 45 meters height and 50 Tons if building is above 45 Meters.
- Four way collecting head should be out of premises but on front side of tower, and Two Way collecting head for each tower separately.
- Proper Ventilation should be taken care of; Smoke management system should be connected with generator.
- Emergency Lift, Staircases, Ramp, Water tank OH/UG (Inlet should be connected to VMC water supply line), Passage & Corridors should be kept as per guideline of NBC 2016. (Applicable to 18 Meters & above: Every Tower should have Individual Underground water tank with Capacity of 1 Lakh Liters and Overhead tank with Capacity of 20000 Liters connected to Fire Pump supported by Generator/Diesel Pump. Testing of water pressure will be done once pump is connected with GEB & Generator connection)
- In case of any specific suggestion or changes guided by Chief Fire Officer should also be done on priority basis.
- Fix Firefighting systems & instruments should be of ISI Standards.
- GEB Transformers should not be in morotable road.
- The Highest point of the tower should have approved Lightning arrester.
- FSC will be issued for the purpose that is mentioned at time of application if the structure is used for other then mentioned one, the Given FSC will stand terminated
- NOC Status of Buildings, Structures, or Premises that are directly or indirectly involved in legal proceedings/matter that is on-going in a court with respect to its ownership, construction type, durability or any such court matter will be terminated with immediate effect.
- Entrance gate of the society should be minimum 6 Meters in width and 5Meters in height.
- In case if you are appointing Fire Safety Vendors they should Registered Fire Vendors.
- If Floor area is big, than for every Staircase there should be separate Riser Line.
- Isolation Valve with Two way collecting head to be placed on all Raiser Line.
- 3KG Flow pressure on terrace should be maintained.
- Smoke management system should be installed in basement with sprinklers system in case if area if more than 200 Sq. meters.
- Basement, Semi Basement and Second Basement all should have positive air pressure.
- External Staircase should be made available in case if needed or instructed.
- ACP/Glass facade elevation should be properly Ventilated and Openable on every floor. Glass quality for elevation should be as per standards of NBC for which certificate need to be provided.
- In case of Roof top shades be it any material are used it should be done such a way that they should not be obstacle in case of Fire Emergency.
- Electric wiring/cable installed in the premises should be as per Electricity Acts & Rules and should be tested from Government approved Electrical Inspector.
- Roads construction should be as it is mentioned/presented in plan. Quality of road should be of either Bituminous or Concrete.
- All Fire Signage should be installed with Emergency Evacuation plan (Auto Glow).
- Sky light wired Glass should be minimum of 30 minutes fire resistance as per NBC and certificate for the same to be produced.
- HFL Levels should be maintained at time of Construction (D-Watering pumping System should be installed).
- If construction work is not completed within 3 years from the date of Opinion certificate issued, in such case NOC will be considered as terminated.
- If any wrong information if provided for the road in the given Map NOC will not be considered valid.
- Other than Special Building construction like Residential Building, Commercial Building, Residence + Commercial, School/College, Hospitals, Hotel/Restaurants/Party Plot/Petrol Pump/ Classes and any others places where public gatherings are done will have to follow all above given instruction at all time in case of violation the issued NOC will be "Canceled".

I MEHUL UMESH SHAH the undersigned have read and understood all the above instructions.

Designation of Receiver:

Contact details:

Receivers

VFES/FSAP/OUTWARD: 415/23-24

Date: 03-05-2023