GOVERNMENT OF MAHARASHTRA

No. MFS/51/24/64
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Directorate of Maharashtra Fire Service
Maharashtra Fire Service Academy
Vidyanagari, Hans Bhugra Marg,
Santacruz (East), Mumbai – 400098
Date: 12/04/2024

Chairman
Shri sant janardhan swami (Mou) Maharaj. Maharishi School.
Survey No: 394/6/1, 395/2/2 of Village: Kokamthan,
Tal: Kopargaon, District: Ahmednagar.

Subject: Grant of "Provisional No-Objection Certificate" for your proposed construction of Educational Building (Shri Sant Janardhan Swami (Mou) Maharaj. Maharishi School) on Survey No: 394/6/1, 395/2/2 Village –Kokamthan, Tal: Kopargaon & District: Ahmednagar.

Ref: Online Application No. MFS/0172/24, Dated: 11/03/2024

This is a Proposal for Construction of **Educational Building (Shri Sant Janardhan Swami (Mou) Maharaj. Maharishi School)** Comprising of Ground Floor + 2 with a Total Height of **14.25mtrs.** From Ground level to Terrace level.

The Total Plot area is **19900.00 SqMtrs** and Proposed Built up area is **4195.59 Sq. Mtrs.** The Details of the Proposed Construction is as under.

Ground Floor	First Floor	Second Floor	Total	Height in Mtrs
1398.53 Sqm	1398.53 Sqm	1398.53 Sqm	4195.59 Sqm	14.25 Mtrs

Floor Proposed to be Used:

Floors	Occupancy Per Floor
Ground Floor	Entrance Lobby, Administrative Office, Principle Room, Class room-11, Nos, Computer room, Electical room, Laboratory, store room, Exam Room, Board Room, Security Office, Central Store, Toilet Block - 2 Nos, , Staircase - 4 Nos.
First Floor	Lobby. Class room-13 nos, Computer room, staff room, library, First Aid & Sick Room, Girls Common Room, Toilet Block - 2 Nos, Laboratory 4 Room, Staff Room, Staircase - 4 Nos.
Second Floor	Class room-8 nos, multipurpose hall, Laboratory - 2 Nos, first aid & seek room,, Stationery Store, Laboratory - 2 Nos, Vice principal room, exam dept, Boys Common Room, Toilet Block - 4 Nos, Staircase - 4 Nos,

Educational Building Shri sant janardhan swami (Mou) Maharaj. Maharishi School. Building Provided with **04 No. Open type** Staircases having flight width of **1.90mtrs.** Leading from Ground Floor and **01 No. Open type** Staircases having flight width of **1.90mtrs** leading from Ground Floor to First Floor Level+ 2 Floors**04 No. Open type** Staircases having fight width of **2.00 mtrs** which one treated as a fire star.

This site having access by **15.00 mtrs** wide internal Road from North side which is directly connected to **30mtrs State Highway (Mumbai – Nagpur Highway)** Road on North Side.

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The Open Spaces around the Building are as follows:

Direction	Building Line to Plot Boundary in Mtrs
North	Open play ground
South	18.25 Mtrs Between Two Buildings
East	18.25 Mtrs and 32.78 Mtrs Road
West	18.25 Mtrs

This N.O.C. is Valid Subject to fulfillment of the following Conditions:-

Provisions of Maharashtra Fire Protection and Life Safety Measures Act, 2006.

1. Under **Section 3 of "Maharashtra Fire Protection and Life Safety Measures Act, 2006"** (hereinafter referred to as "Said Act"). The Applicant (Developer, owner, occupier by whatever name called) shall comply with all of the Fire and Life Safety Measures adhering to National Building Code of India, 2005 and as amended from time to time failing which it shall be treated as a violation of the said Act.
2. As per the Provision as **under: 10** of said Act. No Person Other than the License Agency Shall carry out the work of Providing Fire Protection and Life Safety Measures or Performing such other related activities required to be Carried out in any place or building or part thereof provided that,
    a. If the Director, MFS is Satisfied that, for any reason, to be recorded in writing, the owner or occupier is not liable to carry out the fire prevention and fire safety measures in any such place or building or part thereof through a Licensed Agency, he may authorize any person or persons he think fit to carry out such work, and any work carried out by such authorized person or persons shall deemed to be carried out by a Licensed Agency.
    b. No Licensed Agency or any other person claiming to be such License Agency shall give a Certificate under **Sub- Section (3) of section 3** regarding the compliance of the fire prevention and life safety measures or maintenance thereof in good repair and efficient condition, without there being actual such compliance or maintenance.
    c. The names of License Agencies approved by Directorate of Maharashtra are available in our website **www.mahafireservice.gov.in**.
3. Though Certain Conditions are stipulated from the Said Act and National Building Code of India, it is obligatory on part of the applicant that is developer, builder, occupier, owner, and tenant, by whatsoever name called to abide with the provisions of the said Act failing it shall be actionable under the provisions of said act.
4. The Plan of the Building should be approved by The Concern Competent Authority.
5. The Occupancy Completion Certificate should be obtained from The Competent Authority. **The O.C shall be issued subject to "Final No-Objection Certificate" from this Department.**
6. Proper Roads in the Premises should be Provide for easy mobility of the Fire Brigade Appliance & the roads should be Capable to hold weight of the fire appliances i.e **45 tons. The width of the road shall not be less than 6.0 mtrs.**
7. All portable firefighting equipment's installed at various locations as per local hazard such as CO2-DCP, Foam, Fire Buckets & it must be strictly confirming to relevant IS Specifications.
8. All the firefighting equipment's shall be well maintained and should be easily accessible in case of emergency.

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9. Emergency Telephone Numbers like **"Police", "Fire Brigade", "Hospital", "Doctors", and "Responsible persons of the Factory"** should be displayed in security cabin & at other strategic locations.
10. It shall be ensured that security staff & every employee of the complex are trained in handling firefighting equipment & fire fighting.
11. Cautionary Boards such as **"DANGER"," NO SMOKING", "EXIT", "FIRE ESCAPE", "EXTINGUISHER"**, etc. should be displayed on the strategic locations to guide the occupants in case of emergency. The signs should be fluorescent type and should glow in darkness.
12. **In future the said firm intends to do for any expansion, alteration, modification of any of the building an approval of this department must be obtained before commencing proposed construction.**

Required and Provision: - The following active fire protection system will be required for the safety of the building:-

S.No	Fire Fighting Installation	Requirements	Provision	Remarks
1	Portable Fire Extinguishers	Required	IS: 2190 & IS 5683	At All Prominent Places.
2	Hose Reel	Required Prominent Places	In all Staircases	On Each Floor in the Staircase lading for Fire Fighting. The First Aid Hose Reel Shall be Connected Directly to Riser/ Down Comer Main and Diameter of the Hose Reel Shall not be less than 19mm **Confirming to IS 884:1985**
3	Wet Riser	Required	In all Staircases	Required to Provide in the Staircase and Fire Escape Staircase. Landing of Valve should be Installed **Confirming to IS:5290**

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S.No	Fire Fighting Installation	Requirements	Provision	Remarks
4	Yard Hydrant or Ring Hydrant around the Building	Required	At Various Strategic Locations	Fire Brigade Inlet Connection should be provided. Hydrant points should be provided with 2 Nos. of Delivery Hose **Confirming to IS-14933-2001** along with Standard Branch (Universal) **Confirming to IS-2871. The Distance between 2 Hydrants should not be more than 45 Mtrs. The Guidelines should be followed as per IS 3844:1989.**
5	Manually Operated Fire Alarm System	Required	At Various Strategic Locations	Manually Operated Fire Alarm should be Provided: it should be connected to alternate power supply.
6	Automatic Smoke Detection System	Required in Office and Hazardous areas.	**Automatic Smoke Detection System should be provided in Electric Meter room & Lift Machine room. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm System. Heat Detectors should be provided for kitchen Area & Store room as per the Standards and Guidelines given IS-2175-1988 specification for Heat sensitive fire Alarm System.**	
7	Under Ground Static Storage Tank	Required	Required 50,000 Liters	This water storage should be in each core & Used Exclusively for Fire Fighting.
8	Terrace Level Tank	Required	Required 15,000 Liters	On Terrace
9	Fire Pump	**1 No. 1620 ltr/min Electrical Driven Main Pump. 1No. 180 ltr/min Electrical Jockey Pump.**		Fire Fighting pumps shall be well maintained. Fire pumps shall be centrifugal pumps only.
10	Fire Brigade Connection for Static water Tank and for Hydrant System	Required at the Main Gate		
11	Sign Indicators for all fire Safety , Safe Evacuation of Occupants in Case of Emergency Signs	Required at prominent Places	Sign Indicators Should be Provided at Prominent Places as per the guidelines given in IS:9457 for Safety Color and Safety IS:12349 for Fire Protection Safety Signs IS:12407 for Graphic Symbols for Fire Protection Plan.	
12	Manual Call Points	Manual Call Point should be provided at prominent places.		

NOTE: Fix firefighting installations such as wet riser, down comer, fire alarm system, automatic smoke detection system, sprinkler system, hose reels etc. shall be provided in separate shaft having opening at each floor level with glass cabinet having locking arrangement to avoid theft and damage.

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, staircase and corridor lighting circuits and fire alarm system, detection system, fire lifts etc. It should be housed in separate cabin.

GUIDELINES FOR INTERNAL STAIRWAYS as per NBC 2005

1. Stairways shall be constructed of non – combustible materials throughout. Hollow combustible construction shall not be permitted. Width of Staircase should not be less than **1.5 M**. No Gas piping shall be laid down in the stairway.
2. Internal Staircase shall be constructed as a self-contained unit with at least one side adjacent to external walls and shall be completely enclosed.
3. Internal shall not be arranged around lift shaft unless the latter is entirely enclosed by materials of the fire resistance rating as that for type of construction itself.
4. The access to main staircase shall be gained through at least half-an-hour fire resisting automatic closing doors, placed in enclosing walls of the staircase. They shall be swing type doors opening in the direction of Escape.
5. The external exit door of staircase enclosure at ground level shall open directly to the open space or should be accessible without passing through any door other than a door provided to form a drought lobby.
6. 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. All exit signs should be flush with the wall and so designed that no mechanical damage to them can result from the removing furniture, material or any other equipment.
7. **Exits shall be so located that it will not be necessary to travel more than 30.0 Mtrs. From any point to reach the nearest exit.**

FIRE ESCAPE: (ENCLOSED TYPE) SHALL COMPLY THE FOLLOWING:-

1. **Travel Distance should be maintained 30.0 M as per the guidelines given in National Building Code-2005**
2. **Fire escapes constructed of M.S Angels. Wood or Glass is not permitted.**
3. **Opening of the Fire Escape Staircase should be from outside.**
4. **Fire Escape staircase should be enclosed type. These should always be kept in sound operable condition.**
5. Exit door shall open outwards, that is away from the room but shall not obstruct the travel along any exit.
6. Fire Escape Staircase shall be directly connected to the ground.
7. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.
8. Care shall be taken to ensure that no wall opening or window opens on to or close to Fire Escape stairs.
9. The route to the external staircase shall be free of obstructions at all times.
10. The Fire Escape stairs shall be constructed of non-combustible materials, and any doorway leading to it shall have the required fire resistance.

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11. No Staircase, Used as a fire escape, shall inclined at an angel **greater than 45 degrees** from the horizontal.
12. **The width of the staircase should be given in NBC-2005. The other detailed provision for exits in accordance with National Building Code – 2005 should be followed.**
13. Fire Staircase shall have flight **not less than 150cm** wide with **20 cm** treads and risers not more than **19 cm**. The number of risers shall **limited to 15** per flight.
14. Handrails shall ne of a height **not less than 100 cm** and **not exceeding 120 cm.**

STAIRCASE AND CORRIDOR LIGHTINGS:

1. The Staircase and corridor lighting shall be on separate service and shall be in independently connected so as it could be operated by one switch installation on the ground floor easily accessible to firefighting 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 – 2005.**

STAIRCASE DESIGN REQUIREMENTS:

1. The minimum headroom in a passage under the landing of a staircase and under the staircase shall be **2.2 Mtrs.**
2. Access to main staircase shall be through a fire / smoke check door of a minimum 2 hours fire resistance rating.
3. No living space, store or other fire risk shall be open directly in to the staircases.
4. The Main and external staircases shall be continuous from ground floor to the terrace level.
5. No electrical shafts, A/C ducts or gas pipe etc. shall pass through or open in the staircases, Lifts shall not open in staircases.
6. All the staircases shall be provide with mechanical pressurization devices, which will inject the air in to staircase, lobbies or corridors to raise their pressure slightly above the pressure in adjacent parts of the building so the entry of toxic gases or smoke in to the escape routes is prevented.

EXIT REQUIREMENTS:

1. An exit may be doorway, corridor, passageway(s) to an internal staircase, or external staircase, or to a verandah or terrace(s), which have access to the street, or to the roof of a building or a refuge area. An exit may also include a horizontal exit landing to an adjoining building at the same level.

2. Every exit, exit access or exit discharge shall be continuously maintained free of all obstructions or impediments to full use in case of fire or other emergency.
3. Exits 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 and wired to an independent electric circuit on an alternative source of supply.
4. To prevent spread of fire and smoke, fire doors with 2 hours fire resistance shall be provided at appropriate places along the escape routes and particularly at the entrance to lift lobby and stair well where a "funnel or flue effect" may be created inducing an upward spread of fire.
5. All exits shall provide continuous means of egress to the exterior of building or to an exterior open spaces leading to the street.
6. Exits shall be so arranged that they may be reached without passing through another occupied unit.

ELECTRICAL SERVICES:

1. 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 same fire resistance as that of the duct.
2. Water mains, telephone lines. Intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables.
3. Separate circuits for water pumps, lifts, staircase & 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.
4. The inspection panel doors and any other opening in the shaft shall be provided with airtight fire doors having the fire resistance of not less than 2 hours.
5. Medium & Low Voltage wiring running in shaft and within fall ceiling shall run in metal conduit.
6. An independent & well-ventilated service room shall be provided on the ground floor with direct access from outside or from corridor for the purpose of termination of electric supply. The doors provided for the service room shall have fire resistance of not less than 2 hours.

ELECTRIC CABLE SHAFT AND ELECTRIC METER ROOM:

1. Electric cables shall not pass through the staircase walls or shall be taken in concealed manner.
2. Inspection doors of the shaft if provided shall have 2 hours of fire resistance.
3. Electric meter room should be provided at the ground floor at the location marked on the plan. It shall be adequately ventilated.
4. Electrical shafts shall be sealed at each floor level with non-combustible material such as vermiculite concrete.
5. Electric wiring shall be having copper core having the fire resistance and low smoke hazard cables for the entire building with the provision of ELCB/ MCB in electrical installation of the building.

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ACCESS:

Two entrance gates each of gate not less than **04.50 Mtrs** and height clearance not less than **04.50 Mtrs** shall be provided.

COUTYARDS:

1. The courtyards shall on sides of the building shall be paved suitably to bear the load of fire engines weighing up to **45 m tons** and shall be flushed to the road level.
2. The courtyard shall be in one plan.

PORTABLE FIRE EXTINGUISHERS:

1. 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 the dry, clean sand shall be kept in electric meter room as well as lift machine room.
2. Eight Dry Chemical Powder (A.B.C) type fire extinguisher each of 6 kgs. Capacity having I.S.I certification mark shall be kept at parking area equally distributed at prominent places in basement and at stilts.

SIGNAGES:

Self-glowing /florescent EXIT signs in green color shall be provided showing the escape for entire building.

CAR PARKING, MOTOR CYCLE & CYCLE PARKING:

1. Car parking and all other type of parking shall be permitted in the designated area.
2. Drainage of the car parking area of all the level shall be laid independent from that of the buildings & it shall be provided with catch pit & fire trap before connecting the building drainage/ municipal drainage.
3. Drainage of the car parking areas at the all level shall be so laid as to prevent any over flow in staircase, lift shafts etc.
4. 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 parking area.
5. Repairing/ servicing of cars, use of naked light shall not be permitted in the car parking areas.
6. The drive way shall be properly marked and maintained unobstructed.
7. The Automatic Sprinkler System provided to the Entire Car Parking area.

LABORATORY AREA

1. If LPG is used for experimental purpose in laboratory the LPG pipelines fittings and accessories used shall be strictly confirming to **IS: 6044 Part-1.** The LPG Pipeline & Related installation shall be done by reputed and authorized agency. The agency shall issue a certificate that the work is carried us as per **IS:6044 Part-1.**
2. The LPG storage area shall be provided with a separate shed painted in **"RED" Color, "DANGER", "NO-SMOKING"** signs shall be painted on the door of LPG shed. The shed should be always kept in lock and key & the key of the LPG shed shall be kept with responsible person of company.
3. 2 Nos. of DCP Fire Extinguisher of 10 kgs each should be provided near LPG Battery.
4. Flammable chemical should be store in separate cupboard,
5. 3 Nos of exhaust fan should be provide to each laboratory area

KITCHEN AREA (LPG STORAGE):

1. If LPG is used for cooking purpose in kitchen the LPG pipelines fittings and accessories used shall be strictly confirming to **IS: 6044 Part-1.** The LPG Pipeline & Related installation shall be done by reputed and authorized agency. The agency shall issue a certificate that the work is carried us as per **IS:6044 Part-1.**
2. The LPG storage area shall be provided with a separate shed painted in **"RED" Color, "DANGER", "NO-SMOKING"** signs shall be painted on the door of LPG shed. The shed should be always kept in lock and key & the key of the LPG shed shall be kept with responsible person of company.
3. Minimum Two Exits should be provided diagonally opposite to each other and minimum two staircases diagonally opposite shall be provided to approach first floor of the canteen building.
4. **4 Nos. of DCP Fire Extinguisher of 10 kgs** each should be provided near LPG Battery.
5. Inflammable chemical should be stored in a separate isolated room with fire proof electric fitting and room should have fire extinguisher.
6. Inflammable chemical store room should be well ventilated and exhaust fan provided.

RAW MATERIAL STORE/GODOWN:

1. The Storage in godown should be in systematic way proper roads should be **marked by" Yellow" color & should be kept free of obstruction all the time.**
2. The maximum stacking height should be marked on the walls in **RED COLOUR.** The stacking height should not be more than the red line. **Red line should be marked on 1.5 mtrs from lowest roof level.**
3. All electrical fitting, fixtures should be flameproof & confirming to **relevant IS.All electrical wiring, fitting & fixture should be above the red line (stacking limit line).**
4. The indication mark like **Exits, Fire Escape, etc.** should be prominently marked with florescent paint so that it can be seen in darkness.

In addition to the above, all provision under the National Building Code of India – 2005 shall be strictly adhered, also if any change in activity or proposed expansion or subletting of plot, NOC from this department is essential.

This is a **"Provisional No-Objection Certificate"** which shall be treated Valid for the Period of three Years from the date of issue. After compliance with the above mentioned recommendations/ conditions, inspection of fire prevention & protection systems provided by you will be carried out by this department & after satisfactory performance of the system **"Final No-Objection Certificate"** will be issued.

As per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III, "Chairman Shri Sant Janardhan Swami (Mou) Maharaj. Maharishi School. has paid Fire Protection Fund Fees amounting to Rs. 3,65,520/- (Rs. Three Lacks Sixty-Five Thousand Five Hundred and Twenty Only) vide UTR No: MAHBH19061334687 Dated: 10/04/2024 on the total gross built up area of 4195.59 Sq. Mtrs as certified by the Architect/ Engineer vide his letter Dated: 07/03/2024.

The Undersigned reserves right to amend any additional recommendations deemed fit during the final inspection due to the statutory provisions amended from time to time and in the interest of the protection of the company.

DIRECTORATE MAHARASHTRA FIRE SERVICE * GOVERNMENT OF MAHARASHTRA *

(Santosh S. Warick)
Director 12/04/24
Maharashtra Fire Services

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