



KOLHAPUR MUNICIPAL CORPORATION



Out No.MFS/KMC/21/2024

Tel No.0231 -2540291 to 97

Kolhapur Fire and Emergency Service

main building, Bhausingji road

Kolhapur - 416002 .

Date - 09/05/2024

To,

Sou. Sushila D. Ghodawat charitable Trust,
M/s. Sanjay Ghodawat Institute Educational Complex,
Plot Bearing Plot No. 538 to 547, 555, 556, 558 to 560, 569 to 573,
576 to 578, 582 to 585, At. Atigre, Tal- Hatkanangale,
Dist- Kolhapur



Sub:- Grant of Revise Provisional NOC proposed Educational Building for Sou.
Sushila D. Ghodawat charitable Trust, M/s. Sanjay Ghodawat Institute
Educational Complex, Plot Bearing Plot No. 538 to 547, 555, 556, 558 to
560, 569 to 573, 576 to 578, 582 to 585, At. Atigre, Tal- Hatkanangale,
Dist- Kolhapur

Ref: 1. Directorate office Provisional Noc No. MFS/2021/0116 Dated- 01/03/2021
2. Application For Revisited Provisional Noc Dated 09/05/2024

This is a proposal for construction of **EDUCATIONAL** building as detailed given below.

Total Plot area is **387814.00 Sq.mts** and Proposed built up area is **177747.09 Sq.mts.** (inch area free of FSI).The said building consist of Ground Floor and Height of the building is **5.01 Mtrs.** The details of the proposed Construction is as under,

Sr. No.	Name of the building	Built Up Area In Sq. Mtrs
01	Building Block A,B,C,D, MBA, Food Court Building, Building Sr. No. 16 to 25, School B1,B2,B3,B4,B5,B6,B7, Pharmacy Building, Boys Hostel 2, Architecture Collage.	177747.09Sq.mts
Built up area in Sq. Mtrs.		177747.09 Sq.mts

This NOC is Valid subject to fulfilment of following condition:-

Provisions of Maharashtra Fire Provision and Life Safety Measures Act, 2006.Under **Section 3** of Maharashtra Fire Prevention and Life Safety Measures Act, 2006 (hereinafterreferred to as "said Act") The applicant (developer, owner, Occupier by what ever name called) shall comply with all the fire and Life Safety measures adhering to National Building Code of India,2016 and as amended from time to time failing which it shall be treated as a violation of the said Act.

1. As per the provision as **under :- 10** of the said Act. No person other than the License Agency shall carry out the work of providing Fire Prevention and Life Safety measures or performing. Such other related activities required to be carried out in any place or building or part thereof Providedthat,

A) If the Director, MFS is satisfied that, for any reason, to be recorded in writing the owner or occupier is not able 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 authorized any person or



persons he thinks fit to carry out such work, and any work carried out by such authorized person or persons shall be deemed to be carried out by a Licensed Agency.

B) No Licensed Agency or any other person claiming to be such Licensed 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. The name of License Agencies approved by Directorate of Maharashtra is available in www.mahafireservice.gov.in

2. Though certain conditions are stipulated from the said Act and the National Building Code of India, it is obligatory on part of the applicant that is developer, builder, occupier, owner, tenant, by what so ever named called to abide with the provisions of the said Act failing which it shall be actionable under the provisions of the said act.

3. The plans of the building should be approved by the Concern Competent Authority..

4. The occupation 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 provided & marked on ground for easy mobility of the Fire Brigade Appliance as per the guidelines given in NBC-2016, should be kept free from the obstructions all the time. The load bearing capacity of internal roads must be minimum 45 Tons. The width of the road shall not be less than 6.0 Mtrs for easy manoeuvre of the fire engine. However, the marginal open space shall be seen in to by the concern competent authority of the building proposal department.

7. Inspection of Fire Fighting installation will be carried out by the representative of this Fire department during installation of fire fighting system

8. All portable fire fighting equipment's installed at various locations as per local hazard such as Co2 -DCP, foam, Fire buckets & it must be strictly conforming to relevant IS Specification. All the

fire fighting equipment's shall be well maintained and should be easily accessible in case of emergency. The Monitoring mechanism for all fire Fighting equipment should be designed and implemented. **The Guidelines should be followed based on IS 15683 & IS 2190- Code of practice for selection, installation and maintenance of Portable Fire-Aid fire extinguishers.**

9. All the fire fighting shall be well maintained and should be easily accessible in case of emergency

10. Emergency Telephone numbers like "Police", "Fire Brigade", "Hospital", "Doctors" and "Responsible persons of the complex" should be displayed in security cabin & at other strategic locations.

16. It shall be ensured that security staff & every employee of the complex are trained in handling fire fighting equipment & fire fighting.

17. "Fire Extinguisher", "Fire Bucket", "Danger", "No Smoking" caution boards should be displayed at the places physically shown & the caution boards should be easily visible and **as per guidelines given in IS:9457, IS:12349 and IS:12407**

18. The house Keeping shall be well maintained within the entire premises.



19. All electrical appliances/ fitting and fixtures should be strictly flame proof.
20. The Fire Exit Drill or Evacuation Drill should be plan and instruction should be given to the staff minimum **four times in a year** and drill should be carried out **twice in a year**.
21. "On-Site" & "Off Site" emergency plan/Evacuation Plan shall be prepared & mock drill shall be conducted twice a year & instruction to every employee shall be given once in three months.
22. In future if the developer intends to go for expansion, alteration, modification of any building an approval of fire department must be obtained before commencing proposed construction.
23. Stability certificate to all buildings shall be obtained from Architect or competent person as per the Rule 3-A of Maharashtra Factories Rules, 1963.
24. The height & other clearances/ approvals must be obtained from local "Civil Aviation Department, if necessary."
25. All necessary approvals required from Government / Planning / Special Planning Authority shall be obtained, as applicable

REQUIREMENT AND PROVISION :-The following Fire Protection System is required for the fire safety of the building :- (As per requirement of Table 7 of Part 4)

Sr. No.	FIRE FIGHTING INSTALLATION	Required	Provision	Remarks
1.	Portable Fire Extinguishers	Required at	IS: 2190 & 15683	
2.	Hose Reel	Building Block A,B,C,D, MBA, Food Court Building, Building Sr. No. 16 to 25, School B1,B2,B3,B4,B5,B6, B7, Pharmacy Building, Boys Hostel 2, Architecture Collage.	In all staircases	On each floor in the Staircase landing for Fire Fighting . The fire 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.	Yard Hydrant or Ring Hydrant Around the building	Required	At Various Location	Fire Brigade inlet Connection Should be Provided . Hydrant Points Should Be Provided with 2 Nos. of Delivery Hose
4.	Down Comer	Building Block A,B,C,D, MBA, Food Court Building, Building Sr. No. 16 to 25, School B1,B2,B3,B4,B5,B6, B7, Pharmacy Building, Boys Hostel 2, Architecture	In Staircases	Required to Provide in the Staircase and Fire Escape Staircase, Landing Valve Should Be Installed Confirming to IS:5290



		Collage.		
5.	Manually Operated Fire Alarm System	Building Block A,B,C,D, MBA, Food Court Building, Building Sr. No. 16 to 25, School B1,B2,B3,B4,B5,B6, B7, Pharmacy Building, Boys Hostel2, Architecture Collage.	At Various Location	Manually Operated Fire Alarm should be provided; it should be connected to alternate power supply in case of Emergency
6.	Under Ground Tank	Required 4,00,000.		This Water Storage Should Be Used Exclusively for Fire Fighting
7.	Terrace Level Tank	Required 20,000-Ltrs.		On each Terrace
8.	Fire Pump	01 Nos.450 lpm (Booster electric pump) For Hydrant 02 Nos. 2850 lpm (Booster electric Main + Stand by pump) For Sprinkler 02 Nos. 2850 lpm (Booster electric Main + Stand by pump) 02 Nos. 2850 lpm (Diesel pump)		Fire Fighting pumps shall be well maintained. Booster pump should be provided on each terrace. If Alternate Power Supply is Not Provided
9.	Fire Brigade Connection- For Static Water Tank and For Hydrant System	Required at the Main Gate		
10.	Automatic Detection System	Required in School, Collage Buildings, Lobbies, rooms, offices, collage, lab	Automatic Detection System Should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detector for use in Automatic Electrical Fire Alarm System. Detection system for cable Trench should be provided. Heat Detectors should be provided for Canteen Area as per the standards and guidelines given IS-2175-1988 specification for Heat sensitive Fire Detectors for use in Automatic Fire Alarm system	



11.	Sprinkler System	Required in School , Collage Buildings, Lobbies, rooms, offices, collage, lab	Sprinkler system should be provided on building Guidelines are given in IS 15105 Design and Installation of Fixed Automatic sprinkler fire Extinguisher system.
12.	Sign Indicators for all fire safety, safe evacuation of occupants in case of emergency signs	Required at	Sign indicators should 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 Graphics symbols for Fire Protection Plan
13.	Manual Call Point	Required	Manual Call Point should be provided at prominent place
14.	Safe evacuation of occupants in case of emergency signs	Places for the Building	Places as per the guidelines given in IS:9457 for Safety Colour and Safety IS:12349 for Fire Protection Safety Signs IS: 12407 for Graphics Symbols for Fire Protection Plan
15.	Emergency Light	Required	Required at prominent place
16.	Auto D.G. Backup	Required	Required for all fire safety systems

Note:- Fix fire fighting installations such as riser, hydrant connections, Hose reels etc. Shall be provided in separate shaft having opening at floor level with Glass cabinet having locking arrangement to avoid theft and damage

GUIDELINES FOR INTERNAL STAIRWAYS as per NBC 2016

- a. Stairways shall be constructed of non-combustible materials throughout. Hollow combustible construction shall not be permitted. Width of Staircase should be 1.5M.
- b. No Gas piping shall be laid down in the stairway.
- c. Internal staircase shall be constructed as a self-contained unit with at least one side adjacent to an external walls and shall be completely enclosed.
- d. Internal staircase shall not be arranged around lift shaft unless the later is entirely enclosed by material of fire resistance rating as that for type of construction itself.
- e. The access to main staircase shall be gained through at least half-an-hour fire resisting automatic closing doors, placed in the enclosing walls of the staircase. They shall be swing type doors opening in the direction of the escape.
- f. No living space, store or other space, involving fire risk, shall open directly in to staircase.
- g. The external exit door of a 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 draught lobby.
- h. 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 theremoving furniture, material or any other equipment.
- i. Exits shall be so located that it will not be necessary to travel more than 30 M.



from any point to reach the nearest exit.

STAIRCASE AND CORRIDOR LIGHTINGS:

- i. 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.
- ii. Staircase and corridor lighting shall also be connected to alternate source of supply.
- iii. 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.
 - iv. Emergency lights shall be provided in the staircase/corridor.
- v. Passageway should be provided as per the guidelines given in National Building Code- 2016.

Staircase Design requirement:

1. The minimum headroom in a passage under the landing of a staircase and under the staircases 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 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. The width of the staircase shall not be less than 1.50 Mtrs.

FIRE LIFT:

01. To enable fire services personnel to reach the upper floor with the minimum delay, one fire lift per 1200 Sq. Mtrs. of floor area shall be provided and shall be available for the exclusive use of the fireman in an emergency.
02. The lift shall have a floor area of not less than 1.4 Sq. mtrs. It shall have loading capacity of not less than 545 Kg. (8 persons) with automatic closing doors of minimum 0.8 Mtrs. Width.
03. The electric supply shall be on a separate service from electric supply mains in a building and the cables run in a safe route safe from fire, that is, within the lift shaft. Lights and fans in the elevators having wooden paneling or sheet steel construction shall be operated on 24 Volt supply.
04. The lift should be provided with a ceiling hatch for use in case of emergency, so that when the car gets stuck up, it shall be easily open able.
05. In case normal electric supply fails, it shall automatically trip over to alternate supply. Alternatively, the lift shall be so wired that in case of power failure it will come down to the ground level and stand still with door open.
06. The operation of a lift is by a simple toggle or two button switch situated in a glass fronted box adjacent to the lift at the entrance level. When the switch is on landing call points should become inoperative and the lift will be on car control only or on a priority device. When the switch is off, the lift will return to normal working.
07. The words LIFT shall be conspicuously displayed in fluorescent paint on the lift landing



doors at each floor level. The speed of the lift shall be such that it can reach the top floor from ground level within 1 Min.

08. ABC Fire extinguisher should be installed on each floor near the lift.

LIFT ENCLOSES:-

01. The walls enclosing lift shafts shall have a fire resistance of not less than two hours.
02. Shafts shall have permanent vents at the top not less than 1800mm (0.2sq.m.) in clear area.
03. Lift motor room shall be preferably be sited at the top of the shaft and shall be separate from lift shafts by the enclosing wall of the shaft or by the floor of the motor room.
04. Landing doors in lift enclosures shall open in the ventilated corridor/lobby & shall have fire resistance of not less than one hour.
05. The number of lifts in one lift bank shall not exceed four lift car doors shall have fire resistance of not less than one hour.
06. Exit from the lift lobby shall be through a self-closing smoke top door of half hour fire resistance.
07. The lift machine room shall be separate and no other machinery shall be installed there in. 08. Grounding switch/switches at ground floor level to enable the fire service personal to ground the lift car/cars in emergency shall be provided.
09. As per N.B.C.CODE-2016 4.4.2.4.3.2 A staircase shall not be arranged round a lift shaft or in UDCPR 9.28.7 Provision for Staircase a staircase shall not be provided around the lift shaft unless provided with fire stop door of 1 hour rating at every floor level and no other openings in the inside wall.

Guidelines for refuge Area:-

Ref E-4 of NBC Part 4

PODIUM

Ref Part 3, Clause 4.6.1

SPECIAL REQUIREMENT SUCH AS LPG STORAGE, KITCHEN, RAWMATERIALS ETC.

(as per the requirements)

SERVICE DUCTS AND SHAFT: NBC Part 4, Clause 3.4.5.4

- Openings walls or floors which are necessary to be provided to allow passages of all building service like cables, electrical wirings, telephone cable, plumbing pipes, etc, shall be protected by enclosure in the form of duct/shafts having a fire resistance not less than 120 min. The inspection door for electrical shafts/ducts shall be not less than 120 min. Further, Medium and low voltage wiring running in shaft/ducts, shall either be armoured type or runthrough metal conduits.
- The space between the electrical cables/conduits and the walls/slabs shall be filled in by a fire stop material having fire resistance rating of not less than 120 min. This shall exclude requirement of fire stop sealing for low voltage services shaft.
- For plumbing shafts in the core of the building, with shaft door opening inside the building, the shafts shall have inspection doors having fire resistance rating not less than 30 min.
- For plumbing shaft doors which open in wet areas or in naturally ventilated areas or on external wall of the building, the shafts may not require doors having any specified fire rating.



ELECTRICAL SERVICES: NBC Part 4, Clause 3.4.6

Access :-

Two entrance gates each of width not less than 04.50 mtr and height clearance not less than 04.50 mtrs shall be provided.

Courtyards:-

- i) The courtyards on all sides of the building shall be paved suitably to bear the load of fireengines weighing up to 45m. Tones and shall be flushed to road level.
- ii) The courtyards shall be in one plane.

PORTABLE FIRE EXTINGUISHERS.

- a. Two Dry Chemical Powder (A.B.C.) type fire extinguisher of 4 kgs. Capacity and CO2 Type of Extinguisher of 4.5 kg having I.S.I certification mark and two buckets filled with dry, clean sandhall be kept in Electric meter Room as well as Lift Machine room of each building.
- b. Adequate Nos. Of Dry chemical Powder (A.B.C.) type fire extinguishers each of 4 Kgs. Capacity having I.S.I (15682 & 2190) certification mark shall be kept at parking area equally distributed at prominent places in stilts.

TERRACE DOOR:

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

SIGNAGES:-

Self-glowing/ fluorescent EXIT signs in green color shall be provide showing the means of escape for the entire building.

This is a "PROVISIONAL No-Objection Certificate" After compliance with above mentioned recommendation / conditions, inspection of the fire prevention & protection system provided by you will be carried out by this department and after satisfactory performance of the system "FinalNo-Objection Certificate " will be issued.

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

This Provisional NOC is Valid for the one Year from the date of issue.

As per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III, Sou. Sushila D. Ghodawat charitable Trust, M/s. Sanjay Ghodawat Institute Educational Complex, Plot Bearing Plot No. 538 to 547, 555, 556, 558 to 560, 569 to 573, 576 to 578, 582 to 585, At. Atigre, Tal- Hatkanangale, Dist- Kolhapur. has paid Fire Protection Fund Fees amounting to Rs. 16,00,000/- (Rs. Sixteen Lakhs Only Only) vide UTR No.BARB202102101041903235, Dated. 15/02/2020.& 1% of above Fee Fee 16000/- (Rs Sixteen Thousand) Vide No GD2002133202401020 Dated 09/05/2024.

However, Town Planning is requested to verify the total built up area andinform this Department for the purpose of levying additional Capitation fee.

Copy submitted to:

1. The Concern Planning Authority for information.

**MANISH
PRAFUL
RANBHISE**

Signature: _____
Date: _____
Name: _____