GOVERNMENT OF MAHARASHTRA

Tel No. 269820500

Directorate of Maharashtra Fire & Emergency Service
Maharashtra Fire Service Academy
Vidyanagri, Hans Bhugra Marg,
Santacruz (East), Mumbai – 400 098

NO.MFS/PRO/AMV/17122025/373

Date:17-Dec-2025

To,
M/s. Anuradha College of Engineering and Technology, Chikhli
Anuradha Nagar, Sakegaon Road, Chikhli, Dist. Buldana

Sub: Provisional Fire Safety Approval for your Proposed Construction of Educational Building on Anuradha Nagar, Sakegaon Road, Chikhli, Dist. Buldana
Ref: Application No. MFS/PRO/AMV/28102025/706, dated - 28-Oct-2025

This is a proposal for construction of Educational buildings as detailed given below.

Total Plot area is **33900.00 Sq.mts** and Proposed built up area is **14865.40 Sq.mts** (inclarea free of FSI). The building BLOCK - A&B consist of Ground + 03 Upper Floor and Height of the Building is 15.00 Mtrs. The building BLOCK - C consist of Ground Floor and Height of the Building is 5.30 Mtrs. The building BLOCK - D consist of Ground Floor and Height of the Building is 6.00 Mtrs. The building BLOCK - E consist of Ground + 02 Upper Floor and Height of the Building is 11.50 Mtrs. The building CANTEEN consist of Ground Upper Floor and Height of the Building is 7.50 Mtrs. The detail of the proposed Construction is as under,

Sr.No.	Building Name	Floor	Built Up Area in Sq.Mtrs
1	BLOCK - A&B	Gr. Floor	2302.72
2	BLOCK - A&B	First Floor	2302.72
3	BLOCK - A&B	Second Floor	2500.35
4	BLOCK - A&B	Third Floor	2500.35
	Total		**9606.14**
5	BLOCK - C	Gr. Floor	1760.00
	Total		**1760.00**
6	BLOCK - D	Gr. Floor	317.00
7	BLOCK - D	FirstFloor	317.00
	Total		**634.00**
8	BLOCK - E	Gr. Floor	903.34

Sr.No.	Building Name	Floor	Built Up Area in Sq.Mtrs
9	BLOCK - E	First Floor	831.79
10	BLOCK - E	Second Floor	831.79
	Total		**2566.92**
11	CANTEEN	Gr. Floor	298.34
	Total		**298.34**

The open spaces around the buildings as certified by architect (Ajay Rajput):

Building Name	Marginal Space Front	Marginal Space Rear	Marginal Space Side 1	Marginal Space Side 2	Plot Access Road
BLOCK - A&B	16.00	53.00	9.40	6.00	10.00
BLOCK - C	6.00	9.00	8.00	9.00	10.00
BLOCK - D	37.00	9.70	10.40	53.00	10.00
BLOCK - E	36.00	9.90	20.00	30.00	10.00
CANTEEN	10.00	8.90	9.00	20.00	10.00

Provisions of Maharashtra Fire Prevention and Life Safety Measures Act, 2006

1. Under **Section 3** of **"Maharashtra Fire Prevention 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 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.
2. 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 provided that,
    A. 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.
    B. The names of the License Agencies approved by Directorate of Maharashtra is available in our website www.mahafireservice.gov.in

3. 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 said act.
4. The plans of the building should be approved by The Concern Competent Authority.
5. The Occupancy 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 for easy mobility of the Fire Brigade Appliance & marginal spaces should be kept free from obstructions all the time. The load bearing capacity of internal roads shall not be less than **45 Tons.** The width of the road shall not be less than **6.0 Mtrs.**
7. All portable fire fighting equipments installed at various locations as per local hazard such as Co2-DCP, Foam, Fire buckets should be strictly as per and confirming to **IS: 15683.**
8. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
9. Emergency Telephone numbers like **"Police", "Fire Brigade", "Hospital", "Doctors", and "Responsible persons of the company"** should be displayed in security cabin & office of the school building.
10. It shall be ensured that security staff & every employee of the school are trained in handling fire fighting equipments & fire fighting.
11. **"Fire Extinguisher"**, **"Fire Bucket" "Danger" "No Smoking"** caution boards should be displayed at the places easily visible from a distance.
12. The house keeping shall be well maintained within the entire school building.
13. Fire buckets **06 Nos.** filled in with fine sand will have to be installed on strategic locations and should be easily accessible in case of emergency.
14. No hot job should be permitted in the school building without prior permission from the concerned responsible officer of the school.
15. **In future if the school intends to carry out any expansion of the building, an approval of this department must be obtained before commencing proposed construction.**

REQUIREMENT AND PROVISION: - The following active fire protection system will be required for the safety of the building:-

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
1	**Portable Fire Extinguishers**	Required	**IS: 15683 & 2190**	
2	Hose Reel	Required at prominent places.	In all staircases	On each floor in the Staircase landing 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**

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
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.**
4	Yard Hydrant or Ring hydrant around the building	**Required**	At Various 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 be not more than 45 mtrs. <u>The guidelines should be followed as per IS 3844:1989.</u>**
5	Fire Pump	**01 No. 1620 lit / min electrical driven** **01 No. 1620 lit / min Diesel driven pump.** **01 No. 180 lit /min Electrical Jockey pump** **01 No. 450 lpm booster pump**		Fire Fighting pumps shall be well maintained. Fire pumps shall be centrifugal pumps only. Booster pump should be provided on terrace of each bldg / each wing
6	Underground Static Storage Tank	**Required 75,000 liters.**		This water storage should be used exclusively for Fire Fighting.
7	Terrace Level Tank	**Required 5,000 liters.**		On each Terrace / each building
8	Manually Operated Fire Alarm System	**Required**	At Various strategic location	MOEFA system also include talk-back system and PA System; it should be connected to alternate power supply.
9	Fire Brigade Connection For Static Water Tank and For Hydrant System	Required at the Main Gate		
10	Sign Indicators for all fire safety, safe evacuation of occupants in case of emergency signs	Required at Prominent Places.	Sign indicators should provided at prominent 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.**	
11	Manual Call Point	Required	Manual Call Point should be provided at prominent places.	

Note:

1. **Fix fire fighting installations such as down commer, 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.**
2. **The requirement of water capacity (underground / above / terrace) and pump capacity is given on the basis of Table 7 of the National Building Code of India-2016, Part 4 which is minimum. The system installer shall perform the hydraulic calculation and provide necessary actual water requirement for hydrant, sprinkler and water base system. The pumping arrangement shall also be calculated to provide min 3.5 kg/cm2 for low hazard and 5.5 kg/cm2 for moderate and high hazard at the farthest or top most point.**

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 1.50 M.

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 the removing furniture, material or any other equipment.

i. **Exits shall be so located that it will not be necessary to travel more than 22.5 m. from any point to reach the nearest exit.**

EXTERNAL STAIRCASE OR FIRE ESCAPE STAIRCASE :-

Shall comply the following.

1. **Fire Escape shall not be taken into consideration while calculating the number of staircases for the building.**
2. **Fire escape constructed of M.S. angles, wood or glass is not permitted.**
3. Staircase shall always be kept in sound operable condition
4. Fire Escape Staircase shall be directly connected to the ground.
5. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.
6. Care shall be taken to ensure that no wall opening or window opens on to or close to Fire Escape Stairs.
7. The route to the external staircase shall be free of obstructions at all times.
8. The Fire Escape stairs shall be constructed of noncombustible materials, and any doorway leading to it shall have the required fire resistance.
9. No Staircase, used as a fire escape, shall be inclined at an angel greater than 45 from the horizontal.

10. Fire Staircase shall have straight flight not less than 150 c.m. wide with 25 c.m. treads and risers not more than 19 c.m. The number of risers shall be limited to 15 per flight.
11. Handrails shall be of a height not less than 100 c.m. and not exceeding 120 c.m.

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.

FIRE LIFT :-

1. To enable fire services personnel to reach the upper floors with the minimum delay, one fire lift per **1200 Sq.mts.** of floor area shall be provided and shall be available for the exclusive use of the fireman in an emergency.
2. The lift shall have a floor area of not less than **1.4 Sq.mts.** It shall have loading capacity of not less than **545 Kg. (8 persons)** with automatic closing doors of minimum **0.8mts.** width.
3. 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.
4. Fire fighting 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.
5. 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.
6. The operation of a fire 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.
7. The words **"Fire Lift"** shall be conspicuously displayed in fluorescent paint on the lift landing doors at each floor level. The speed of the fire lift shall be such that it can reach the top floor from ground level within **1 Min.**

LIFT ENCLOSURES :-

1. The walls enclosing lift shafts shall have a fire resistance of not less than **two** hours.
2. Shafts shall have permanent vents at the top not less than 1800 mm (0.2sq.m.) in clear area.
3. 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.
4. Landing doors in lift enclosures shall open in the ventilated corridor/lobby & shall have fire resistance of not less than one hour.
5. 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. A wall of two hours fire rating shall separate individual shafts in banks. Minimum one lift in every lift bank must be a **"Fire Lift".**

6. For the buildings 15 Mtrs and above in height, collapsible gates shall not be permitted for lifts and shall have solid doors with fire resistance of at least one hour.
7. If the lift shaft and lobby is in the core of the building a positive pressure between 25 and 30 pa shall be maintained in the lobby and a possible pressure of 50 pa shall be maintained in the lift shaft. The mechanism for the pressurization shall act automatically with the fire alarm / sprinkler system and it shall be possible to operate this mechanically also.
8. Exit from the lift lobby, if located in the core of the building shall be through a self-closing smoke top door of half hour fire resistance.
9. Lift shall not normally communicate with the basement. If however, lifts are in communication, the lift lobby of the basement shall be pressurized as mentioned above with self closing doors.
10. The lift machine room shall be separate and no other machinery shall be installed therein.
11. Grounding switch/switches at ground floor level to enable the fire service personnel to ground the lift car/cars in emergency shall be provided.
12. Telephone or other communication facilities shall be provided in the lift cars which shall be connected to fire control room of the building.
13. Suitable arrangements such as providing slope in the floor of the lift lobby shall be made to prevent water used during fire fighting etc. at at landing from entering the lift shaft.
14. A sign shall be posted & maintained on every floor at or near the lift indicating that in case of fire occupants shall use the stairs unless instructed by otherwise. The sign shall also contain a plan for each floor showing the locations of the stairway.
15. Alternate source of supply shall be provided for all the lifts through a manually operated change over switch.

EXIT REQUIREMENT FOR CONFERENCE ROOM, CLASSROOMS :-

1. Door width for Conference Room shall not be less than **2 Mtrs.**
2. Clear aisles not less than **1.2 Mtrs.** in width shall be formed at right angles to the line of seating in such number and manner that no seat shall be more than seven seats away from an aisle.
3. Rows of seats opening on to an aisle at one end only shall have not more than seven seats. Under the conditions, where all these aisles do not directly meet the exit door, cross-aisles shall be provided parallel to the line of seating so as to provide direct access to exit, provided not less that not less than one cross aisles for every **10 rows** shall be required. The width of cross aisles shall be of minimum **1 Mtrs.** steps shall not be placed in aisles to overcome differences in levels unless the gradient exceeds 1:10.
4. Rows of seats between aisles shall have not more than 14 seats.
5. The spacing of rows of seats from back-to-back shall be neither less than 850 mm nor less than 700 mm plus the sum of the thickness of the back and inclination of the back. There shall be a space of not less than 350mm between the back of one seat and the front of the seat immediately behind it is measured between plumb lines.

ADDITIONAL REQUIREMENT:-

1. No combustible material of any kind shall be stored or used in any building or section thereof used for institutional occupancy, except as necessary to normal occupancy and use of the building
2. Bare minimum quantities of flammable material such as chloroform, ethyl alcohol, sprit etc. shall be allowed to be stored and handled. The handling of such liquids shall not be permitted by un-authorized persons. Bulk storage of these items, will be governed by relevant rules and safe practices.

Guidelines for School Buildings

1. **The Urban Development Department Govt. of Maharashtra had issued guidelines for Safety of Educational Buildings vide letterNo. FFS-2004/419/CR-121/UD-6, Dt. 05/08/04 & Circular issued by School Education Department, Govt. of Maharashtra vide No. 2004/(155/04)/Training-4, Dt. 22/07/04 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.
4. Exits 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. Exits should be clearly visible and the route to reach the exits shall be clearly marked sign posted to guide the students (occupants) of the floor concerned.
6. Exits 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 that there are no pockets or dead ends.
7. 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.
8. 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 900 m.m. wide.**
9. **The latest order by Hon'ble supreme Court's judgment shall be also be followed scrupulously.**

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 persons in area shall have at least two doorways for exit of not less than 900 m.m. width
3. Storage of volatile flammable liquids shall be strictly prohibited and the handling of such liquids shall be restricted to science laboratories only.

GUIDELINES FOR CHEMICAL LABORATORY:

a. Guidelines should be followed from **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 4.5 Kgs DCP Extinguishers should be installed within the Laboratory.

d. All burners, gas pipings etc. used for lab purpose shall be confirming to relevant IS standards.

CANTEEN AREA (LPG Storage) :-

1. If L.P.G. is used for cooking purpose in canteen the L.P.G. pipelines & fittings & accessories used shall be strictly confirming to **IS: 6044 Part-I.** The L.P.G. pipeline & related installation shall be done by reputed and authorized agency. The agency shall issue a certificate that the work is carried out as per **IS: 6044 Part-I.**
2. The L.P.G. storage area shall be provided with a separate shed painted in **"RED" colour** , **"Danger" "No-Smoking"** signs shall be painted on the door of L.P.G. shed. The shed should be always kept in lock and key & the key of the L.P.G. shed shall be kept with responsible person of the company.

3. Minimum Two Exists 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 Extinguishers of 10 Kgs each should be provided near LPG Battery.**

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 two 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 the corridor for the purpose of termination of electric supply. The doors provided for the service room shall have fire resistance of not less than two hours.

Electric cable shaft and electric meter room :-

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 location 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.

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 fire engines weighing up to 45m. tones and shall be flushed to road level.

ii. The courtyards shall be in one plane.

CAR PARKING :-

i. Car parking shall be permitted in the designated area.

ii. Drainage of the car parking area of all the levels shall be laid independent from that of the buildings & it shall be provided with catch pit & fire trapped before connecting the building drainage or Municipal drainage.

iii. Drainage of the car parking areas at all the levels shall be so laid as to prevent any overflow in the staircase, lift shaft etc.

iv. 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.

v. Repairing / servicing of cars, use of naked light shall not be permitted in the car parking areas.

vi. The drive way shall be properly marked & maintained unobstructed.

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 sand shall 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 equally distributed at prominent places.

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 colour shall be provided showing the means of escape for the entire building.

In addition to the above, all provision under the National Building Code of India-2016 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”. After compliance with above mentioned recommendations/conditions, inspection of the 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.

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.

As per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III, M/s. Anuradha College of Engineering and Technology, Chikhli has paid Fire Protection Fund Fees amounting to Rs. 11,33,190.00/- (Rs. Eleven Lakh Thirty Three Thousand One Hundred and Ninety Only) vide UTR No. CMS3432560861887, dated 09-Dec-2025

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

Digitally signed by Kiran Hatyal
Date: 2025-12-16 21:16:30

Assistant Director MFS

Digitally signed by SANTOSH SHRIDHAR WARICK
Date: 2025.12.17 10:43:57 +05:30

Director MFS

Copy to The Asst. Director, Town Planning, Buldhana.