

# GOVERNMENT OF MAHARASHTRA

Out No. : MFS/51/2020/56  
Tel No. 2667 7555  
Fax No.2667 7666

Directorate of Maharashtra Fire Service  
Maharashtra Fire Service Academy, Vidyanagri,  
Hans Bhugra Marg, Santacruz (East), Mumbai - 400 098  
Date: 25/02/2020.

To,  
M/S.Phaltan Education Society,  
Survey No.31,At-Mauje-Thakurki-Kurawali Road,  
Phaltan,Tal-Phaltan,  
Dist-Satara.

- Sub: Grant of "Final No Objection Certificate" Educational Building on Survey No.31,At-Mauje-Thakurki-Kurawali Road,Phaltan,Tal-Phaltan,Dist-Satara.
- Ref:- 1) Online Application. No.128.08.11. Dated- 08.08.2011.  
2) Prov. Noc Vide No.MFS/51/2011/0080. on Dated-19.10.2011.  
3) Inspection Report Submitted by PMC Fire Dept. Dated-Nil.

With reference to the above, a representative of this office visited your Educational Building to the above-mentioned address for inspection of fire fighting arrangements provided. Since the fire fighting arrangements provided were found in satisfactory working conditions, this office is issuing "Final No-Objection Certificate" for your Industrial buildings having built up area admeasuring to 12072.93 Sq Mtrs.

Sr.No.	Floors	Block No.1	Block No.3	Block No.5
1	Ground Floor	2128.23	1247.88	2034.05
2	First Floor	1962.28	-----	810.15
3	Second Floor	1947.96	-----	-----
4	Third Floor	1947.96	-----	-----
Built up area in Sq.Mtrs.		7980.85	1247.88	2844.20 (Part area)
Total Built up area.		12072.93 Sq.Mtrs.		

The said company has kept all marginal spaces free from the obstruction as per NBC part IV and the fire fighting system is installed by the license agency M/s.Prompt Fire Engineers, (MFS-LA/RF-332) & (MFS/LA/RD/306) has submitted Certificate in "Form A" prescribed in Maharashtra Fire Prevention & Life Safety Measure Rules 2009.

The said company has provided (Fire Extinguishers, Hose Reels, Down Comer, 01 Nos. Electrical Driven Main Pump 50 HP, 01 Nos. Diesel Driven Pump 50 HP, 01.Nos. Booster Pump 7.5 HP, 01 Nos. Jockey Pump 12.5 HP) Now the said company has requested to issue "Final No Objection Certificate". Statutory Provisions under Maharashtra Fire Prevention and Life Safety Measures Act, 2006.

- 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.
- It is presumed that you have completed the work adhering to the provisions under **Section-3** of the said Act.
- sub-section (3) of Section 3**, it is responsibility of the Owner or the Occupier as the case maybe, shall furnish to the Chief Fire Officer or nominated officer a Certificate in a



prescribed form twice a year in the Month of Jan & July regarding maintenance of fire prevention and life safety measure in good repair and efficient condition as specified in sub-section (1).

4. Under sub section (4) of Section 3, no person shall tamper with, alter, remove or cause any injury or damage to any fire prevention and life safety equipment installed in any such building or part thereof or instigate any other person to do so.

The Fire Fighting System provided by you in the Building premises as per Provisional No-Objection Certificate shall be well maintained & shall be kept in good working condition at all the time. If the fire protection system is not maintained, retrenched then this "N.O.C." will stand cancelled without any notice & you will be solely responsible to loss of life or property if any, which may please be noted.

The condition mentioned in the "Provisional No-Objection Certificate" will remain unchanged. The undersigned reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the Company.

If any change of Activity or Transfer of Plot or any future expansion, No-Objection Certificate from this office is essential.

As per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III M/S.Phaltan Education Society, has paid Fire Protection Fund Fees of Rs.1,68,200/- (Rs. One Lakh Sixty Eight Thousand Two Hundred Only) in reference to DD No.742181 on dated 07.09.2011, drawn on State Bank of India, Mumbai.

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



(Dr. P.S. Rahangdale)  
Director  
Maharashtra Fire Service

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**KOHINOOR**  
— SAFETY SERVICES —

AN ISO 9001 : 2015 CERTIFIED COMPANY

Ref: KSS /2025-26/A-4297

Date: 08 OCT 2025

**Form B**

**[See Section 3(3) and rule 4(2)]**

Six Monthly Certificates to be given in every JAN & JULY by the owner or the occupier for Compliance of Fire prevention and life safety measures.

**Certificate**

Certified that I/We have carried out inspection of the fire prevention and life safety measures Installed in the following building or premises, namely:-

**“M/S. PHALTAN EDUCATION SOCIETY’S COLLEGE OF ENGINEERING PHALTAN .”**

**ADDRESS: SR.NO.31, THAKURKL, KURAWALI ROAD, PHALTAN.**

I/we further certify that these installations in the above mentioned buildings are maintained in good repair and efficient conditions during the period six month (1<sup>ST</sup> JAN 2025 TO 30<sup>TH</sup> JUNE 2025), as required under the provision of Maharashtra Fire Prevention and Life safety Measures Act, 2006 (MAH III of 2007). The details of the inspection of the installations carried out by me/ we are mentioned in the report appended herewith

Place: Mumbai

Date: 08 OCT 2025

License Number:

1. MFS/LA/RF-10
2. MFS/LA/RD-10

**KARTAR  
SUGRIV  
CHAUHAN**

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CHAUHAN  
Date: 2025.10.08  
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**KOHINOOR**  
— SAFETY SERVICES —

AN ISO 9001 : 2015 CERTIFIED COMPANY

Ref: KSS /2025-26/A-4297

Date: 08 OCT 2025

With reference cited above, below is the details of firefighting system at:

**"M/S. PHALTAN EDUCATION SOCIETY'S COLLEGE OF ENGINEERING PHALTAN ."**

**ADDRESS: SR.NO.31, THAKURKL, KURAWALI ROAD, PHALTAN.**

**Annexure for Form B:**

Sr.	Particulars	Qty.	Remarks
1	MAIN PUMP ELECTRICAL DRIVEN 1800 LPM 50 HP	01	OKAY
2	DIESEL PUMP DRIVEN 1800 LPM 50 HP	01	OKAY
3	JOCKEY PUMP ELECTRICAL DRIVEN 180 LPM 12.5 HP	01	OKAY
4	CONTROL PANEL FOR ABOVE PUMP	01	OKAY
5	BOOSTER PUMP 900 LPM 7.5 HP WITH STARTER	01	OKAY
6	FIRE HYDRANT VALVE 63 MM FULL SET	17	OKAY
7	FIRE HOSE PIPE 15 MTR LONG WITH SS ISI COUPLING	34	OKAY
8	FIRE BRANCH PIPE SS ISI	17	OKAY
9	DOUBLE DOOR HOSE BOX	17	OKAY
10	FIRE HOSE REELS FULL SET	05	OKAY
11	FOUR WAY INLET	01	OKAY
12	CONVENTIONAL FIRE ALARM PANEL 02 ZONE	01	OKAY
13	MANUAL CALL POINT	08	OKAY
14	HOOTER	08	OKAY
15	ABC TYPE FIRE EXTINGUISHER 05 KG	05	OKAY
16	WATER CO2 TYPE FIRE EXTINGUISHER ISI 09 LTR	02	OAKY
17	AFFF MECHANICAL TYPE FIRE EXTINGUISHER ISI 09 LTR	04	OKAY
18	CO2 TYPE FIRE EXTINGUISHER 3.2 KG	02	OKAY
19	CO2 TYPE FIRE EXTINGUISHER 4.5 KG	01	OKAY

The above said fire Protection equipment installed in good working condition. There after any alteration in above system by occupant or developer will make this certificate invalid

Thanking You.

License Number:

1. MFS/LA/RF-10

2. MFS/LA/RD-10

**KARTAR  
SUGRIV  
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KARTAR SUGRIV  
CHAUHAN

Date: 2025.10.08  
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**GOVERNMENT OF MAHARASHTRA**

No.MFS/51/ 80  
Tel No. 2667 0438/39  
Fax No.2666 0287

**Directorate of Maharashtra Fire Services**  
Maharashtra State Fire Academy  
Vidyanagri, Hans Bhugra Marg,  
Santacruz (East)  
Mumbai – 400 098

Date: 19/10/2011

**M/s. Phaltan Education Society**  
Survey No. 31, Muje-Thakurki  
Kurawali road.  
Phaltan

**Sub: Grant of "Provisional No-Objection Certificate"**  
**for your proposed School building of**  
**M/s.Phaltan Education Society on Survey No. 31**  
**Muje-Thakurki at Phaltan-Kurawali road.**

**Ref: Application NO: NIL, Dt. 8.08.2011**

Dear Sir,

This has reference to the above, this office has **"No-Objection (Provisional)"** for your proposed school building on having Ground and Three Upper Floor situated on above mentioned address for following built up area.

Sr. No	Name of the floor	BLOCK 01		BLOCK 02		BLOCK 03		BLOCK 04		BLOCK 05		BLOCK 06	
		prop	Exis	prop	Exis	prop	Exis	prop	Exis	prop	Exis	prop	Exi
01	Ground Floor	09.36	2108.87	0140.83	--	--	1247.88	2705.88	--	2078.54	--	0778.31	--
02	Mezzanine Floor	--	--	0140.83	--	--	--	--	--	--	--	--	--
03	First Floor	4.16	1958.12	--	--	--	--	2665.21	--	2071.60	--	0765.25	--
04	Second Floor	1947.96	--	--	--	--	--	2665.21	--	2071.60	--	0765.25	--
05	Third Floor	1947.96	--	--	--	--	--	--	--	--	--	--	--
	<b>Total area in Sq. Mtrs.</b>	<b>3909.44</b>	<b>5314.87</b>	<b>0548.61</b>			<b>1247.88</b>	<b>8036.30</b>		<b>6221.74</b>		<b>2308.81</b>	--

**ABSTRACT**

Block No.	Proposed Built up Area in Sq. Mtrs	Height in Mtrs.
I	3909.44	15.60
II	0548.61	6.75
IV	8036.30	11.35
V	6221.74	11.35
	2308.81	10.30
<b>Total</b>	<b>21024.9</b>	



128.08.11

*Handwritten signature and date: 25-11-11*

**फ.ए.सो.चे**  
**अभियांत्रिकी महाविद्यालय, फलटण**  
आवक क्र.....*8570*..... दि. *25/11/2011*



The details of the drawings submitted by the Architect are as under :-

Sr. No.	Details of Area	Drawing No.
1.	Site Plan	Copy of the Drawing submitted by the co. vide DRG No,664-1-R7 Sheet No.1/10 Dated; 25.11.2009
2.	(Block -1) Ground Floor Plan, First Floor Plan	Copy of the Drawing submitted by the co. vide DRG No,664-1A Sheet No.1A/10 Dated; 18.07.2011
3.	(Block -1) Second Floor Plan, Side Elevation	Copy of the Drawing submitted by the co. vide DRG No,664-3 Sheet No.2/10 Dated; 08.06.2011
4.	(Block -1) Third Floor Plan, Section B-B	Copy of the Drawing submitted by the co. vide DRG No,664-3 Sheet No.3/10 Dated; 08.06.2011
5.	(Block -2) Ground Floor Plan, Mazzanne Floor Plan, Elevation, Section A-A, Section B-B	Copy of the Drawing submitted by the co. vide DRG No,664-R1 Sheet No.4/10 Dated; 25.11.2009
6.	(Block -4) Ground Floor Plan, Section Z-Z	Copy of the Drawing submitted by the co. vide DRG No,664-6 Sheet No.5/10 Dated; 12.04.2011
7.	(Block -4) Typical First & Second Floor Plan, East Side Elevation	Copy of the Drawing submitted by the co. vide DRG No,664-7 Sheet No.6/10 Dated; 12.04.2011
8.	(Block -5) Ground Floor Plan, Section L-L	Copy of the Drawing submitted by the co. vide DRG No,664-8 Sheet No.7/10 Dated; 12.04.2011
9.	(Block -5) Typical First & Second Floor Plan, East Side Elevation	Copy of the Drawing submitted by the co. vide DRG No,664-9 Sheet No.8/10 Dated; 12.04.2011
10.	(Block -6) Hostel Building ,Ground Floor Plan, Typical First & Second Floor Plan ,Section A-A	Copy of the Drawing submitted by the co. vide DRG No,664-10 Sheet No.9/10 Dated; 12.04.2011

***This N.O.C. is valid subject to fulfillment of the following conditions: -***


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

- 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, 2005 and as amended from time to time failing which it shall be treated as a violation of the said Act.
- 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) 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 authorize 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.
3. Under **Section 11** of the said Act, the fire service fees shall be assessed and the same shall be payable after serving the notice to that effect or prior to issue of the building completion certificate or occupancy certificate whichever is earlier.
  4. 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.
  5. The plans of the building should be approved by The District Collector, **Pune** or Competitive Authority.
  6. The Occupancy certificate should be obtained from Competitive Authority. **The B.C.C. shall be issued subject to "Final No-Objection Certificate" from this department.**
  7. 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 road should be such that it should hold the weight of 45 tons. & the width of the roads shall not be less than **9.00 Mtrs.**
  8. All portable fire fighting equipments installed at various locations as per local hazard such as **Co2-DCP, Foam, Fire buckets** & it must be strictly confirming to relevant **IS specification.**
  9. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
  10. Emergency Telephone numbers like **"Police", "Fire Brigade", "Hospitals", "Doctors",** and **"Responsible persons of the Building"** should be displayed in security cabin & Projector room.
  11. It shall be ensured that security staff & every employee of the multiplex are trained in handling fire fighting equipments & fire fighting.
  12. Cautionary boards such as **"DANGER", "NO SMOKING", "EXIT", "FIRE ESCAPE", "EXTINGUISHER", "HYDRANT"** etc. should be displayed on the strategic location to guide the occupants in case of emergency. The signs should be of florescent type and should glow in darkness.

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13. The Fire Exit Drill or Evacuation Drill should be planned and instruction should be given to the staff minimum four times in a year and drill should be carried out twice a year.

14. In future if the School intends to go for expansion, alteration, modification of any building an approval of fire department must be obtained before commencing proposed construction.

15. Stability certificate to all buildings shall be obtained from Architect or competent person as per the Rule 3-A of Maharashtra Factories Rules, 1963.

16. 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. 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.

17. It is observed from the drawing submitted by you that the Seminar Hall & Classroom of bigger capacity on the Second & Third Floor of the Block I is provided only with one Exit Only. As per National Building Code of India 2005, two exits are necessary for seating capacity more than 40 persons.

It is also observed from the drawing of the Block II, that the Mezzanine Floor drawing is not clear and entry / exit to Mezzanine cannot be identified. Further, only one staircase is shown.

From the Block V, it is also observed that the Lift is shown around the staircase shaft which is not allowed as per National Building Code of India – 2005. The 50% of Lift shall be fire lift.


It is also observed that in various blocks (I, IV,V & VI), the staircase so provided are all of internal type and no external staircase is provided. Though, the height of the said building are limited but in future, if you are going to go for extension like your Block I, then issue like travel distance and new recommendation arises. Keeping this in mind, we may inform them to provide atleast one external staircase having width not less than 1.5 Mtrs. and also to ensure that the travel distance is not more than 22.5 Mtrs.

Considering the above, you are hereby informed to make necessary amendments and resubmit the drawings for necessary approval.

18. The following active fire fighting and other systems should be provided for the safety of the building: -

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
1.	Portable Fire Extinguishers	Required		As per IS: 2190.
2.	Hose Reel	Required at prominent places.	In entire factory building.	The first aid hose reel shall be connected directly to Hydrant Line and diameter of the hose reel shall not be less than 19mm <b>confirming to IS 884:1985</b>
3.	Down Comer	Required		






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 conforming to IS-14933-2001 along with Standard Branch (Universal) conforming to IS-2871. <b>The distance between 2 Hydrants should not be more than 45 mtrs. The guidelines should be followed as per IS 3844:1989.</b>
5.	Underground Static Storage Tank	Required 1,00,000 ltrs.		This water storage should be used exclusively for Fire Fighting.
6.	Fire Pump	1 No. 1800 lpm electrical driven main pump 1 No. 1800 lpm Diesel driven 1 No. 180 lpm electric driven 1 Nos. 900 lpm electric driven ( Booster Pump)		Fire Fighting pumps shall be well maintained.  Booster pump should be provided on each terrace.
7.	Terrace Level Tank	Required 25,000 Ltrs.		On Terrace
8.	Manually Operated Fire Alarm System	Required	At Various location	Manually Operated Fire Alarm should be provided; 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 <b>IS:9457 for Safety colour and Safety</b> <b>IS:12349 for Fire Protection Safety Signs</b> <b>IS:12407 for Graphics symbols for Fire Protection Plan.</b>	

#### **GUIDELINES FOR INTERNAL STAIRWAYS as per NBC 2005**

- a) 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.

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- b) Internal staircase shall be constructed as a self-contained unit with at least one side adjacent to external walls and shall be completely enclosed.

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.

- d) 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.
- e) No living space, store or other space, involving fire risk, shall open directly in to staircase.
- f) 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.
- g) 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.
- h) Exits shall be so located that it will not be necessary to travel more than 22.5 Mtrs. from any point to reach the nearest exit.**

#### **STAIRCASE AND CORRIDOR LIGHTINGS:**

- a) 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.
- b) Staircase and corridor lighting shall also be connected to alternate source of supply.
- c) 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.
- d) Emergency lights shall be provided in the staircase/corridor.**
- E) Passageway should be provided as per the guidelines given in National Building Code- 2005**

#### **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 ESCAPE: (ENCLOSED TYPE ) SHALL COMPLY THE FOLLOWING:**

1. **Travel Distance should be maintained 22.5 M as per the guidelines given in NBC-2005. Exits and staircase guidelines should be followed as per National Building Code-2005**
2. **Fire escape constructed of M.S. angels, wood or glass is not permitted 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. Exits 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.
11. No Staircase, used as a fire escape, shall be inclined at an angel greater than  $45^{\circ}$  from the horizontal.
12. **The width of the staircase The other detailed provision for exits in accordance with National building code - 2005.**
13. 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.
14. Handrails shall be of a height not less than 100 c.m. and not exceeding 120 c.m.

**FIRE LIFT :**

1. To enable fire services personnel to reach the upper floors 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.
2. 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.




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.



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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 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

#### **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. 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 45 persons in area shall have at least two doorways **for exit of not less than 900 m. m. wide.**

#### **Exit Requirement for 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 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 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.

#### **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.

#### **Guidelines for ELECTRICAL SERVICES:**

1. The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every 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.

#### **Transformers:**

1. Transformers shall not be installed on upper floors.
2. The switchgears shall be housed in a separate room separated from the transformer bays by a fire-resisting wall with fire resistance of not less than four hours.

3. The transformers shall be protected by an automatic high-pressure water spray (emulsifier) system.
4. A tank of RCC construction of capacity capable of accommodating entire oil from the transformers shall be provided at lower level, to collect the oil from the catch pit to the tank shall be of non-combustible construction and shall be provided with a flame-arrestor.
5. No grass or shrubs shall be allowed to grow in transformer switchyard.
6. A barbed wired fencing of minimum 1.5m. Height shall be provided around transformer switchyard & the gate shall be provided for entrance. The gate should be always locked & the keys should be kept with authorized / responsible person of the company.
7. **Danger/ No smoking** board shall be displayed at the entrance gate of transformer switchyard.

**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.**

**As per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III, M/s. Phaltan Education Society has paid Fire Protection Fund Fees amounting to Rs. 1,68,200/- (Rs. One Lack sixty eight Thousand two hundred Only).Vide DD no 742181 dated on 07.09.2011,drawn on state bank of india, Mumbai**

This is a **"Provisional No Objection Certificate"**. After providing the above mentioned fire prevention and protection system and after compliance of above recommendations, inspection of the same will be carried out by this department & after satisfactory compliance **"Final No Objection Certificate"** will be issued.

The undersigned reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the multiplex building.

Thanking you.



Yours faithfully,

(M. V. Deshmukh)  
Director & Fire Advisor  
Govt. Of Maharashtra.