



OFFICE OF THE CORPORATION OF THE CITY, NAGPUR (FIRE & EMERGENCY SERVICE)

Chhatrapati Shivaji Maharaj Prashashkiya Bhawan, Mahanagar Palika, Civil lines, Nagpur - 440 001

Ph. No.: 0712-2567777

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No. MFS/NMC/FES/060/2022

To,

- 1) Assistant Engineer -1
NMRDA, Nagpur
- ✓ 2) Gurjit Kaur
W/o Capt. Bhaskar Pande
Kh. No. 111, Mouza Bhokara,
Tah. Nagpur

Sub:- First No-objection certificate in respect of adequate and effective installation of Fire safety measures in the Existing Educational Building

- Ref:-** 1) Owner Application on Dated 25/01/2023
2) Letter No. Assistant Engineer -1 (NMRDA)/8065 on dated 24/01/2023

With reference to the above letter along with tentatively approved building plans and application of owner and architect dated 25/01/2023 submitted by Gurjit Kaur W/o Capt. Bhaskar Pande recommendation in respect of adequate and effective installation of Fire safety measures are being suggested in accordance with provision of Maharashtra Fire Prevention and life safety measures act 2006 for Existing Educational Building Kh. No. 111, Mouza Bhokara, Tah. Nagpur the same should be strictly adhered to and complied with. This letter shall be read along with the enclosed approved building plan.

Building Details		
1.	Name & Address of the Owner	Gurjit Kaur W/o Capt. Bhaskar Pande, Banglow No. 05, Katol Road, Nagpur
2.	Location & Address of the Building	Kh. No. 111, Mouza Bhokara, Tah. Nagpur
3.	Name of Architect	Shri Harish Chandnani (License No. NIT-1126, NMC-511)
4.	Name of License Agency	M/s. Manopushp (License No. MFS-LA-RF-469, RD-437 & RP-101)
5.	Present Position	Existing Ground Floor to 3 rd Floor (As Per Architect Application)
6.	Total Plot Area	4469.132 sqm
7.	Total B.U. Area	4207.192 sqm.
8.	No. of Buildings	1 No.
9.	Height of Building	15.500 mtr
10.	No. of Floors	Ground Floor to 3 rd Floor
11.	No. of Lift	01 Fire Lift

12.	Building Specialty if any	Educational Building (B)
13.	Classification of Building	Educational Building
14.	Street/ Road for maneuverability of fire vehicle	MDR 41. Wide Road North Side, 15.00 mtr. Wide Pandhan Road South Side & 4.5 mtr. Exiting Road & Railway Track East Side
15.	No. of Basement	N/A
16.	B/u Area of Basement	N/A
17.	Basement Utility	N/A
18.	Basement Ram	N/A

19 Means of Escape :-

Staircase	No. of Staircase	From	Width
Internal Staircase	01	Ground to Terrace	3.00 mtr.
	01	Ground to Terrace	2.00 mtr.
Emergence Staircase	01	Ground to Terrace	2.00 mtr.

20 Marginal space around the Building for movement of fire vehicle with proper turning circle.

Front side	6.677 mtr (Drive way for Fire Tender)
Rear Side	6.00 mtr (Drive way for Fire Tender)
Side (i)	6.00 mtr (Drive way for Fire Tender)
Side (ii)	6.00 mtr (Drive way for Fire Tender)

21 Exposure Hazard:-

East	4.5 mtr. Exiting Road & Railway Track
West	-----
North	MDR 41 Wide Road
South	15.00 mtr. Wide Pandhan Road

The area wise details of Each Floor & their use are as under :-

Sr. No.	No. of Floor	Built up Area of SQM	Occupancy/Use
1.	Ground Floor	1041.476 Sqm	Parking & Educational Use
2.	1st Floor	1065.330 Sqm	Educational Use
3.	2nd Floor	1050.193 Sqm	Educational Use
4.	3rd Floor	1050.193 Sqm	Educational Use
5.	Total B.U. Area	4207.192 sqm.	

II) This N.O.C. is valid subject to fulfillment of the following conditions:

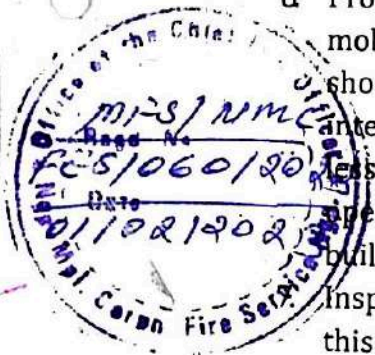
Provisions of Maharashtra Fire Prevention and Life Safety Measures Act, 2006

- 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) 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.

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- 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 names of the License Agencies approved by Directorate of Maharashtra is available on 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 & marked on ground for easy mobility of the Fire Brigade Appliance as per the guidelines given in NBC-2016, should be kept free from obstructions all the time. The load bearing capacity of internal roads must be minimum 45Tones. The width of the road shall not be less than 6.0 Mtrs for easy maneuver of the fire engine. However, the marginal open space shall be seen in to by the concern competent authority of the building proposal department.
- Inspection of Fire Fighting installation will be carryout by the representative of this Fire department during installation of the 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 should be strictly confirming to relevant IS specification. All the fire fighting equipment 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 First-Aid Fire Extinguishers.
 9. All the fire fighting equipment's 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 company" should be displayed in security cabin & production building.
 11. It shall be ensured that security staff & every employee of the co. are trained in handling fire fighting equipment's & fire fighting.
 12. "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 the guidelines given in IS:9457, IS:12349 and IS:12407.



13. The house keeping shall be well maintained within the entire premises.
14. All electrical appliances/fittings and fixtures should be strictly flame proof.
15. 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.
16. "On-Site" & "Off-Site" emergency plan/Evacuation Plan shall be prepared & mock drills shall be conducted twice a year & instructions to every employee shall be given once in three months.
17. 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.
18. Stability certificate to all buildings shall be obtained from Architect or competent person as per the Rule 3-A of Maharashtra Factories Rules, 1963.
19. The height & other clearances / approvals must be obtained from local "Civil Aviation Department, if necessary".
20. All necessary approvals required from Government / Planning / Special Planning Authority shall be obtained, as applicable.
21. 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	Requirement as per NBC 2016 & Fire Act 2006	Remarks
	Portable Fire Extinguisher	Required at Each Floor	Shall be conforming to IS:15683 & placed at strategic location & NBC-2016 IV Clause 5.1 should be accordance with accepted standard 4(17)
	Hose Reel	Required at Each Floor	On each floor in the staircases landing for fire fighting. The first aid hose reel shall be connected directly to hydrant line and diameter of the hose reel shall not be less than 19mm confirming to IS:884:1985 & NBC-2016 Part IV clause 5.1.1(b), 4(18), 4(17)
3.	Hose Box	Required at Each Floor	With Front side glass containing hose pipe of 30 mtrs length & Branch pipe shall be provided
4.	Wet Riser/Down Comer	Required at Each Floor	100/150mm G.I. Pipe "C" type in vertical position connected to water source through pump with hydrant outlet on each floor (0.9 mtrs. above landing) Required to provide near main Staircase, Landing of Valve should be installed confirming to IS:5290 & NBC part IV clause 5.1 & accepted standard 4(19)
5.	Yard Hydrant or Ring Hydrant around the building	Not Required	Not Required
6.	Automatic Sprinkler System	Not Required	Not Required
7.	Manually Operated Electronic Fire Alarm System	Required at Each Floor	Manually operated Fire alarm should be provided; it should be connected to alternate power supply in case of emergency.



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8.	Automatic Detection and Alarm System	Not Required	Not Required
9.	Underground Static water Storage tank combined capacity for wet-Riser, Yard Hydrant and Sprinkler per set of pumps	Not Required	Not Required
10.	Terrace Tank over Respective Tower Terrace	Required. 25,000 lit	This water storage should be used exclusively for fire fighting purpose
11.	Pump Near Underground Static Water Storage Tank(Fire Pump)with minimum pressure of 3.5 kg/cm ² at Remotest location	Not Required	Not Required
12.	Pump near the Terrace Tank level with minimum Pressure of 3.5 kg/cm ²	Required 900 LPM electric driven at Static Water Storage Tank	Fire Fighting pump shall be well maintained & shall be confirming as per NBC-2016 part IV clause 5.1.2.2 with minimum pressure of 3.5 kg/cm ²
13.	Fire Brigade connection for Static water tank and for Hydrant System	Required at Main Gate	As be visible and accessible
	Sign Indicators for all fire safety safe evacuation of occupants in case of emergency signs	Required 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.
15.	Auto DG Backup	Required	Required for all fire safety systems as per NBC-2016 Part IV- clause No.3.4.6.2
16.	Fire Resistance Door	Required	Near the emergency staircase directly connected to ground floor to terrace floor shall be enclosed type separated by Fire resistance door of half hours. Shall be Confirming UDCPR clause No 9.29.3.ix

Note: Fixed fire fighting installations such as risers, 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.

- 1 **GUIDELINES FOR INTERNAL STAIRWAYS as per NBC 2016**
Ref NBC Part 4, Clause No. 4.4.2.4.3.2
- 2 **EXTERNAL STAIRCASE OR FIRE ESCAPE STAIRCASE:-**
Ref NBC Part 4, Clause No. 4.4.2.4.3.4
- 3 **STAIRCASE DESIGN REQUIREMENT:**
Ref NBC Part 4, Clause No. 4.4.2.4.3.1
- 4 **FIRE LIFT :**
Ref Part 8 Section 5, Clause 7 & Ref U.D.C.P.R.2020 Clause 9.29.8
26. **LIFT ENCLOSURES : -**



Ref Part 8 Section 5, Clause 7

27. Guidelines for Refuge Area :-

Ref E-4 of NBC Part 4

28. BASEMENT PROVISION :

Ref Part 4, Clause 4.2.19

29. PODIUM :

Ref Part 3, Clause 4.6.1

30. Service Ducts and Shaft:

Ref Part 4, Clause 3.4.5.4

31. ELECTRICAL SERVICES:

Ref Part 4, Clause 3.4.6

32. 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.

33. 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

34. 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

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 in parking area equally distributed at prominent places in stilt.

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.

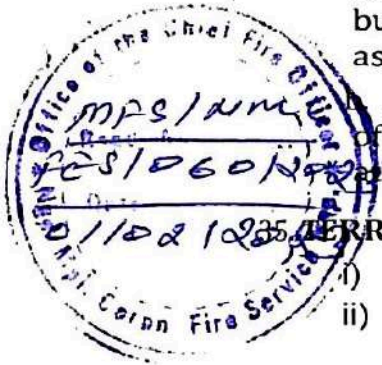
36. SIGNAGES :-

Self glowing/ fluorescent EXIT signs in green color 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.



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As per Maharashtra Fire Prevention and Life Safety Measures Act, 2006, Section 25-Annexure-Part III, by Gurjit Kaur W/o Capt. Bhaskar Pande The Owner/Occupier has paid Fire Protection Fund Fees amounting to Maharashtra Fire Service Academy Mumbai Rs. 50,000/- (Rs. Fifty Thousand Only) vide UTR No. P032230217921752 dated 01/02/2023



**NAGPUR MUNICIPAL CORPORATION
FIRE SERVICE DEPARTMENT.**

Rajendra D. Uchake
I/C Chief Fire Officer /Nominated Officer
Fire and Emergency Service
Nagpur Mpl. Corporation

Copy Submitted to:

1. The Director, MFS, Mumbai for Information, Please