



1

**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  
Fax No.: 0712-2561584

No. FES/ 11 /CFO

Date:- 30/04/2019

To,

1) Building Engineer (North),  
Nagpur Improvement Trust,  
Nagpur.

✓ 2) Mr. Aditya Hemant Naniwadekar,  
Kh. No. 136/2 & 155/2, City S. No. 228,  
House No. 3394/13, Zingabai Takli,  
Koradi Road, Nagpur.

**Sub: First No-objection certificate in respect of adequate and effective installation of Fire safety measures in the Proposed Hospital Building.**

**Ref:** Letter No. Building Engineer (N)/1011, Dated 20.04.2019

With reference to the above letter along with tentatively approved building plans and sanction of owner and architect date 22.04.2019 submitted by Shri. Aditya Hemant Naniwadekar the 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 Proposed Hospital building At. Kh. No. 136/2 & 155/2, City S. No. 228, H. No. 3394/13, Zingabai Takli, Koradi Road, Nagpur, the same should be strictly adhered to and complied with. This letter shall be read along with the enclosed approved building plan.

**1) Building Details :-**

1. Name & Address of the owner : Mr. Aditya Hemant Naniwadekar.
2. Location & Address of the building:- Kh. No. 136/2 & 155/2, City S. No. 228, H. No. 3394/13, Zingabai Takli, Koradi Road, Nagpur.
3. Name of Architect :- Shri. M. N. Bhagat
4. Name of License Agency : M/s Fire Solutions (License No. MFS-LA/F-0294), Nagpur.
5. Present Position : Open Land
6. Total Plot Area : 814.447 sqm.
7. Total B.U. Area : 1102.694 sqm.
8. S.B.U. Area : 1542.339 sqm.

9. No. of Buildings : 1 No.  
 10. Height of Building : 22.95 mtr.  
 11. No. of Floors : Ground to 7 Floor  
 12. No. of Lift : 2 Nos.  
 13. Building Speciality if any : Hospital Building  
 14. Classification of Building : Institutional Building.  
 15. Street/ Road for maneuverability of fire vehicle.: 36.00 mtr. wide road.  
 16. No. of Basement :- N/A  
 17. Basement Ramp :- N/A  
 18. Means of Escape :

| Staircase           | No. of Staircase | From              | width     |
|---------------------|------------------|-------------------|-----------|
| Internal Staircase  | 01 No.           | Ground to Terrace | 2.00 mtr. |
| Emergency Staircase | 01 No.           | Ground to Terrace | 1.50 mtr. |

19. Marginal space around the building for movement of fire vehicle with proper turning circle. As per submitted Revised Plan.

|            |           |
|------------|-----------|
| Front side | 9.5 mtr.  |
| Rear side  | 6.00 mtr. |
| Side (I)   | 6.00 mtr. |
| Side (II)  | 6.00 mtr. |

20. Exposure Hazard:

|       |                 |
|-------|-----------------|
| East  | 9.00 mtr. road. |
| West  | 36.00 mtr. road |
| North | Open Land       |
| South | Kh. No. 156     |

21. The area wise details of each floor & their use are as under :-

| Sr. No. | No. of Floor  | Built up Area in SQM | Occupancy/Use |
|---------|---------------|----------------------|---------------|
| 1.      | Ground Floor  | 4.410                | Parking       |
| 2.      | First Floor   | 122.849              | Hospital      |
| 3.      | Second Floor  | 122.849              | Hospital      |
| 4.      | Third Floor   | 122.849              | Hospital      |
| 5.      | Fourth Floor  | 122.849              | Hospital      |
| 6.      | Fifth Floor   | 122.849              | Hospital      |
| 7.      | Sixth Floor   | 122.849              | Hospital      |
| 8.      | Seventh Floor | 122.849              | Hospital      |

11) This First No-Objection Certificate is mere recommendation letter and is valid subject to fulfillment of the following conditions:-

1. The Plans (adhering to Relevant Development Control Rules & National Building Code- 2016 where necessary) of the proposed construction should be sanctioned/approved by Competent Authority ADTP/NIT & others.
2. The B.C.C/Occupancy Certificate Shall be issued from competent authority subject to Final N.O.C. from this department as per Fire Act 2006 under section 3(2).
3. Under section 3 of Maharashtra Fire Prevention and life safety measures Act, 2006(hereafter referred to as "said Act")

The applicant (developer, owner, occupier by whatever name called) shall comply 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.

4. As per Provision as under section 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.

5. Though certain conditions are stipulated from the said Act and National Building code of India, it is obligatory on part of the applicant that is developers, builder, occupier, owner, tenant, by what so ever named called to abide with the provision of said Act failing which it shall be action liable for under the provisions of said Act.

As per Fire Act 2006 Under Section 3(1) Minimum requirement for fire fighting installation. The following fire protection system shall be provided,

| Sr. No. | Fire Fighting Installation | Requirement as per NBC 2016 & Fire Act 2006 | Remarks                                                                                                                                                                                                                                                             |
|---------|----------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | 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)                                                                                                                           |
| 2.      | 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                                                                               | Required                                                                                             | Hydrant Point should be provided with 30 mtrs of delivery hose with coupling confirming to IS:14933-2001 along with standard branch(Universal)confirming to IS-2871.                                                                                                                                                                    |
| 6.  | Automatic Sprinkler System                                                                                                     | Required in Entire Building                                                                          | As per the plan sprinkler system is proposed only in common passage sprinkler system shall be installed in entire building in addition to common passage and lobby confirming to IS:11042016 & shall be as per NBC-2016 Part IV clause 5.1.3 and drawing of the same shall be submitted while obtaining Final No objection certificate. |
| 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.                                                                                                                                                                                                                 |
|     | Automatic Detection and Alarm System                                                                                           | Required                                                                                             | Smoke/Heat Detector should be provided; it should be connected to alternate power supply in case of emergency & shall be confirming as per NBC Part IV clause 4.9                                                                                                                                                                       |
| 9.  | Underground Static water Storage tank combined capacity for wet-Riser, Yard Hydrant and Sprinkler per set of pumps             | Required 1,50,000lit                                                                                 | This water storage should be used exclusively for fire fighting purpose. Shall be confirming as per NBC-2016 clause 5.1.2.1                                                                                                                                                                                                             |
| 10. | Terrace Tank over Respective Tower Terrace                                                                                     | Required 20,000 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 <sup>2</sup> at Remotest location | Required 01 No. Electrical & 01 No. Diesel Pump of capacity 2280 lpm & 01 No. Jockey Pump of 180lpm. | Fire Fighting pump shall be well maintained & shall be confirming to NBC-2016 Part IV clause 5.1.2.2                                                                                                                                                                                                                                    |
| 12. | Pump near the terrace tank level with minimum Pressure of 3.5 kg/cm <sup>2</sup>                                               | Not Required                                                                                         | Not Required                                                                                                                                                                                                                                                                                                                            |
| 13. | Fire Brigade connection for Static water tank and for Hydrant System                                                           | Required at Main Gate                                                                                | As be easily visible and accessible                                                                                                                                                                                                                                                                                                     |

Office of the Chief Fire Officer  
 File No. 111/2019  
 30/04/2019  
 Fire Service

30/4/19

|     |                                                                                             |                              |                                                                                                                                                                       |
|-----|---------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14. | 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 at each floor       | Near fire escape staircase                                                                                                                                            |
| 17. | Fire Alert Hot line security system                                                         | -                            | For directly connecting the Fire fighting system of the building to Fire Deptt. Control room.                                                                         |

7. Fire escape staircase shall be of RCC construction, enclosed type with fire/smoke check doors of min 2 hrs fire resistance ratings. If the staircase is not ventilated on each landing and is in the core of building, pressurization system shall be installed to maintain positive pressure in the staircase.
8. Refuse chute or Refuse chamber shall not be provided in staircase wall.
9. Marginal space around the building shall be motorable and kept free from all type of obstruction. The slab over the basement/ramp/water harvesting pit/underground water storage tank in open marginal space should be capable to withstand vehicular weight of 45 tons.
10. Means of Access to premises shall be in the form of road of suitable width and load bearing capacity of 45 tons.
11. Width of entrance to the building shall be more than 4.5 mtr with vertical clearance of 5 mtr.
12. The construction material use for the building shall be of noncombustible material.
13. Electrical Installation should be confirming as per NBC-2016 Part IV clause No.3.4.6
14. Location of Electric Sub-Station or Transformer Room : should be safe side or out of building margin.
15. Electric Wiring Shall be metal conduit and cables shall be laid in separate duct this duct shall be sealed at every landing. The entire Electrical circuit shall have safety devices as circuit breaker arrangement that is MCB, ELCB, etc.
16. Electric main switch shall be easily visible, accessible and safe location.
17. Emergency power supply i.e. Standby Generator capable of to supply power to staircase, escape route, corridor, lighting circuit, lift, exit signs & fire pumps shall be Provided to this building.
18. Air-Conditioning system: If provided with AHU or centralized A/c plant than :- Shall conform to part 8 section 3 of NBC. & NBC-2016 Part IV clause No.3.4.8.

Note :- Dampers & AC ducts according with good practice 4-12. Utility ducts shaft C1.0 & C1.10 as per NBC. Electric ducts /shaft each floor non-combustible.

- a. Automatic fire dampers shall be provided in duct, & at the inlet of the Fresh air.
- b. A.C. dampers shall be closed automatically, upon operation of a Detector/sprinkler.
- c. Air ducts for every floor shall be separated.

d. Separate AHU for each floor.

19. Fire Resistance doors near emergency staircase shall be provided.
20. Ventilation for supply of outside air into basement or the removal of inside air from enclosed space shall be provided.
21. Lift enclosures, landing doors in lift enclosures, shall have a fire resistance of two hours.
22. Communication system at lifts shall be connected to fire control room for the building.
23. Fire Evacuation drill shall be carried out at regular interval and record shall be maintained for inspection of fire service department.
24. Fire control room on the entrance floor at the building with communication system to all floors and facilities for receiving the message from different floors as well as the Fire control room shall also have facilities to detect the fire on any floors through indicator board's connection.
25. Refuge Area shall be provided as shown in plan.
26. Lightening Protection shall be provided to this building :- As per NBC-2016 Part IV clause No. 3.4.6.5 Part 8 "building service section 2 Electrical & allied installations".
27. Emergency Staircase/Internal Staircase corridor, Exit Way, Escape route should be free from obstruction by good house keeping.
28. No Mobile Tower to be erected over this building without prior permission from this department.
29. Cautionary boards such as "DANGER", "NO SMOKING", "EXIT", "FIRE ESCAPE" strategic location to guide the occupants in case of emergency. The sign shall be of Florescent type and shall glow in dark.
30. FRLS(Fire retardant low smoke) cables shall be used for all installation.
31. Balconies/terrace shall not be covered and shall be kept open to serve as refuge area.
32. No inflammable liquid shall be stored in this building other than domestic use.
33. The owner occupier shall deposit 1% of fire preventive fees every year to this department.

There will be final inspection after complying the above arrangement. The aforesaid fire safety/fire protection conditions/directive shall be complied with before occupying the building under intimation to this department.

The undersigned reserves the right to amend or add to any of the above conditions, recommendations deemed fit during the stage wise inspection due to statutory provisions introduced from time to time and in the interest of the protection of the building and life



**NAGPUR MUNICIPAL CORPORATION  
FIRE SERVICE DEPARTMENT.**

*[Signature]* 30/04/19  
Chief Fire Officer  
Fire and Emergency Service  
Nagpur Mpl. Corporation.

Encl: One copy of Map.  
Copy to: 1) Station Officer,  
Civil, Fire Station.