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26/7/2018

NASHIK MUNICIPAL CORPORATION
FIRE & EMERGENCY SERVICE
E mail :- cfo@nashikcorporation.in

Office of the Chief Fire Officer

Ref. No: NMC / FIRE / WS / II / Mixed-13 / 2018 ;

DATE: 26/07/2018

To,
Assistant Director (Town Plannin) ;
Nashik Municipal Corporaion, Nashik

Sub: Requirements under Maharashtra Fire Prevention & Life safety Measures Act, 2006 for construction of **High Rise Mixed Occupancy (Residential + Commercial) Buildings (Separate)** in P.No. --, S. No.206 / 1 / 3, Nashik Shiwar, Nashik.
(Revised for separation of F/ F system for each Building)
For M/s Blossom Construwell Pvt. Ltd
Thro' GPAH Shweta Infrastructure & Housing (I) Pvt. Ltd.
Thro' Dir. Shri Sujoy J. Gupta
C/o Ms. Tapasya H. Bendale, Architect, Nashik

Ref:

1. Building permission from Town Planning Deptt; N. M. C. wide no. LND/ BP/ C-1/ 586/ 5152 ; dt. 17/12/2016
2. This office letter wide no.NMC / FIRE / WS / II / 18 / 2012 ; Dt.: 01 /12/2012
3. Fire Prevention Fund Rs. 9,39,105/- (Fire Fund Rs. 9,00,480/- + Inspection Fee Rs. 38,625/-)
a) Rs. 4,16,957/- Paid wide Book No. 5201 , Pass No.075 , Dt. 31 / 01 /2012
b) Rs. 5,22,148/- Paid wide Book No. 06091 , Pass No.077 , Dt. 26 / 07 /2018

M/s Blossom Construwell Pvt. Ltd; Thro' GPAH Shweta Infrastructure & Housing (I) Pvt. Ltd. Thro' Dir. Shri Sujoy J. Gupta, Nashik have decided to construct a **High Rise Mixed Occupancy (Residential + Commercial) Buildings (Separate)** in P.No. --, S. No.206 / 1 / 3, Nashik Shiwar, Nashik. and submitted municipal drawings after scrutiny from Town Planning deptt. to this office through Ms. Tapasya H. Bendale, Architect

The details of the building are as follows,
The building complex abuts on 18.0 meter wide road.

BUILDING DETAILS

A) Height of Building: Residential Bldg. 'A' : 45.00 mtr.
Residential Bldg 'B' : 17.70 Mtrs.

Sr. No.	Name of the area / structure	Details of Floors	Built up Area as per T.P. (M ²)	Area in Sq. Mtrs. (Total slab area) (M ²)
1	Plot area		15,208.00	
2	Proposed Residential Bldg 'A'	S +14 floors	12,002.24	17140.24
	Residential Bldg 'B'	S + 5 floors	1720.18	2342.43
	Proposed Commercial	Club House	292.00	292.00
	Proposed Podium		883.46	883.46
Total Proposed Built up area				19571.67



SPECIAL REQUIREMENTS:-

As the proposed buildings are High Rise Special buildings, Fire protection rules and regulations as specified in **National Building code of India-2016- Part IV, (Fire and Life Safety)** and **Maharashtra Fire Prevention & Life safety Measures Act, 2006** become applicable as per **clause 18 and Appendix-'J'** of the D. C. Rules of NMC.

1. The conditions in D. C. Rules & NBC-Part- IV-2016 shall be strictly followed

Note: As per D.C.rule clause 6.2.6.1, the necessary drawings showing details of Active and Passive fire protection system shall be get approved from the Chief Fire officer, NMC or otherwise this NOC will stand cancelled.

2. Provisions of Maharashtra Fire Provision and Life Safety Measures Act. 2006.

- 2.1 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.
- 2.2. 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, 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.
- 2.3. 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.
- 2.4 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.
- 2.5 It is mandatory to submit fire prevention and fire protection drawings prepared by License Agency. The same should be got approved from fire department.
- 2.6 The B.C.C./Completion cum occupancy certificate shall only be issued subject to "Final No-Objection Certificate" issued by this department.
- 2.7 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.
- 2.8 The load bearing capacity of internal roads shall not be less than 45 Tons.
- 2.9 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.
- 2.10 All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.

3. ACCESS & TURNING CIRCLE FOR FIRE BRIGADE APPLIANCES:

- 3.1 All entrances & exit gates for the complex shall be min. of 4.5-meter width and height.
- 3.2 Courtyard / Podium Slab of the complex shall be capable of taking the weight of Fire Appliances weighing nearly **45 tones**.
- 3.3 The open spaces on its all side shall be of min. **11.95 meter** width and shall be kept free of obstructions and shall be motorable for movement of Fire appliances.
- 3.4 **Balconies / Porches or canopies / Ramps /which will reduce the side marginal distance less than 4.50 mtrs will not be allowed.**

4. STAIRCASES:

- 4.1 **Minimum two staircases are necessary for each wing As per DC Rule No. 17.3.4; out of which one shall be on the external wall of the building and one shall be in the form of FIRE-TOWER i.e. enclosed type staircase.**
- 4.2 Width of any staircase shall not be less than 1.5 meters.
- 4.3 Permanent ventilation at the top of staircase shaft shall be provided and is shall be not less than 5 % of the cross sectional area of the staircase.



- 4.4 Gas pipeline, Air condition ducts, Electrical Ducts etc shall not be passed through staircase enclosure.
- 4.5 Staircase on external walls of the buildings shall directly open to exterior or interior open space or to an open space of safety.
- 4.6 The staircases shall be lighted and ventilated and the minimum size of opening on walls abutting to open space shall be minimum 0.5 sq. meters per landing.
- 4.7 No living space, store or other Fire risk shall open directly into the staircase.
- 4.8 Minimum headroom under the landing of the staircase shall be 2.2 Mt.
- 4.9 Access to staircase shall be through a fire / smoke door of minimum 2 hours Fire Resistance rating.
- 4.10 No combustible material shall be used for deduction / wall paneling in staircase.

5. ESCAPE ROUTES (CORRIDOR & LOBBIES):

- 5.1 Width of any Escape route/ corridor shall not be less than 1.5 meters.**
- 5.2 The corridors and lobbies on each floor landings shall be ventilated directly to open air.
- 5.3 Smoke stop doors in adequate quantity shall be provided across the corridors considering the travel distances.
- 5.4 All exists and escape routes shall be free from obstructions. No flammable material shall be stored in the corridors, lobbies or staircase landings.
- 5.5 Lifts and escalators shall not be considered as escape routes or exits.**

6. FIRE LIFT: (Minimum one lift to be provided compulsorily)

- 6.1 All the floors shall be accessible for 24 hours by the lifts.
- 6.2 The lift shaft shall not be surrounded by staircase.
- 6.3 The lift machine rooms shall be separate and no other machinery shall be installed or no combustible material shall be stored in the lift machine rooms.
- 6.4 Collapsible gates shall not be permitted for lifts, and shall be solid doors with fire resistance of not less than 1 hour.
- 6.5 The lift shall conform to the provision in National Building Code - Part IV Annex 'C'.
- 6.6 The lift shall have a floor area of not less than 1.4 sq. meters and loading capacity of not less than 545 kg (8 persons) with automatic closing doors of 0.8 meter width.**
- 6.7 The operation of the Fire lift shall be by simple toggle switch 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 become inoperative and the lift will be on car control, when the switch is off, the lift will return to normal working. The lift can be used by the occupants in normal times.**
- 6.8 The electric supply for fire lift shall be on a separate service from electric supply mains in the building and the cables run in a route safe from fire i.e. within the lift shaft.
- 6.9 In case of failure of electric supply, it shall automatically trip over to alternate supply.
- 6.10 The words "FIRE LIFT" shall be conspicuously displayed in Fluorescent paint on the lift landing doors at each floor level.
- 6.11 The fire lift should be provided with a ceiling hatch for use in case of emergency, so than when car gets stuck up, it shall be easily openable.
- 6.12 The speed of the Fire Lift shall be such that it can reach the top floor from ground level within 1 minute.

7. SERVICE DUCT / SHAFT:

- 7.1 Service Ducts and shaft shall be compulsorily provided for Electric cables, garbage chutes, Fire Fighting etc and shall be enclosed by walls of 2 Hours and doors of 1 Hours Fire resistance rating.**
- 7.2 All such ducts / shafts shall be properly sealed and fire stopped at all floor levels.
- 7.3 A vent opening at the top of the service shaft shall be provided having area between one fourth and one half of the area of the shaft.



5.	Automatic Fire Detection & Alarm system.	Required	IS:2189: 1999	only MOEFA System
6.	Underground Water tank for Fire Fighting	Required 1,00,000 ltrs.		Separate from Domestic Water Tank
7.	Terrace tank	Required 10,000 ltrs.		Separate from Domestic Water Tank
8.	Fire Pump	2280 lpm elect. driven: - 1 no. 2280 lpm Diesel driven: - 1no. 180 lpm elect. driven: - 1no.		2250 lpm @75mtr. Head (Bronze Impeller)
9.	Fire Brigade Connection for static water tank & for hydrant system.	Required	Near main entry gate.	At ground floor, @ 1.0 mtr above GL
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.	

13.2 Approval of Drawings of Fire Protection System:

Detailed drawings of Hydrant system, detection system etc will be submitted for the approval of Fire Brigade department before starting of actual work.

14. Fire Command Centre (FCC)

- Fire command centre shall be on the entrance floor of the building having direct access. The control room shall have the main fire alarm panel with communication system (suitable public address system) to aid floors and facilities for receiving the message from different floors.
- Fire command centre shall be constructed with 120 min rating walls with a fire door and shall be provided with emergency lighting. Interior finishes shall not use any flammable materials. All controls and monitoring of fire alarm systems, pressurization systems, smoke management systems shall happen from this room. Monitoring of integrated building management systems, CCTVs of any other critical parameters in building may also be from the same room.
- Details of all floor plans along with the details of firefighting equipment and installations (2 sets laminated and bound) shall be maintained in fire command centre.
- The fire staff in charge of the fire command centre shall be responsible for the maintenance of the various services and firefighting equipment and installations in coordination with security, electrical and civil staff of the building.

15. GENERAL CONDITIONS:

- No flammable / explosive material shall be stored in the premises before prior permission from the concern department including Fire Brigade.
- All fire fighting equipments shall be as per IS specifications bearing I.S.I. mark
- Fire Fighting systems shall be painted with PO red color.
- Sign board such as 'No Smoking', 'Exit', 'Emergency Exit', 'Emergency Phone Nos.', 'First Aid Box' etc shall be provided at prominent places. They shall be painted in Marathi, Hindi and English with reflective / glow paint only.
- Floor Nos. shall be clearly demarked on every floor in staircase lobby as well as in lift well.
- Fire protection work will be carried out by **Licensed Agency** as per provision in **Maharashtra Fire Prevention & Life safety Measures Act, 2006**.
- While providing all fire and life safety provisions, the **National Building code of India 2016 – Part IV & Maharashtra Fire Prevention & Life safety Measures Act, 2006** will be strictly followed.



15.8 Previous letter of this office wide no, **NMC / FIRE / WS / II / NMC / FIRE / WS / II / 18 / 2012 ;**
Dt.: 01 /12/2012 Is hereby cancelled henceforth.

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

Note:- i) Architects & Owner/builder are requested to read above Requirements / terms and conditions carefully.

ii) If any of the above requirements are not fulfilled or completed during construction, Final NOC from this department will not be issued.

iii) The License Agency who will install the fire Protection system will be responsible for servicing & maintenance of the system and to issue the 'Form B' certificate in January and July month of every year for next Five years.



Amal Singh

CHIEF FIRE OFFICER

Nashik Municipal Corporation.

26/1/18

