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Pimpri Chinchwad Municipal Corporation
 Fire Department.
 No. Fire/02/ 5PC/ WS / 4)3 / 2018
 Date. 27/03 / 2018

Fire No Objection Certificate for Building Construction (Rev.-I)

With reference to the application and Plans submitted, dt.25/01/2018 by the under mentioned applicant, technical site inspection had been carried out by the concerned Officer of the fire department in accordance with the submitted plan copies and documents to this office..

Provisional Fire NOC is being herewith issued under Rule 6.2.6.1; 6.7.2 & 19, and other applicable rules of Development Control Rules of PCMC, NBC 2016 – Part IV, G.R.Dt.10/03/2010, and under Sec 3(2) of Maharashtra Fire & Life Safety Act 2006 & Rules 2009 , at the under mentioned site, subject to compliance of the following conditions.

Proposed Site Address – Pl.No.PS,Sec.No.27,PCNTDA,Nigdi,Pune.	Plot Area	4048.32	Sq.Mtrs
	Permissible FSI Area (Incl Of Add.FSI)	5060.40	Sq.Mtrs

Building Details –

Bldg Nos.	Height (from G.L)	No. of Floors	Net Built up Area (Sq.Mtrs)	Gross Built up Area (Sq.Mtrs)	Occupancy Type
One	28.95	Gp+Stilt Flr.+06	5056.59	N/A	Edu.(School)

1. **Building Side margins, Drive ways, Staircases, Passages** clearance as per shown in plan, for the maneuverability of the fire fighting vehicle, should be kept absolutely free of obstructions, all the time. **No Landscaping or any other structural work, to be done in side margins or in any other way obstructing the access to side margins.**
2. **Emergency Contact Numbers Board** of Fire, Ambulance, Police & MSEB to be displayed prominently at main gate and other easily visible places.
3. **Podium if provided**, should be designed and constructed to carry weight of 45 tons for Special Heavy Fire Rescue Vehicle load (ALP, TTI, etc). The required vehicular Turning Width, at Ramp ends & building corners to be provided on podium. Podium slab to be painted with Red colour strip exactly above the Beam line so as to easily identify it and ease operation of the Special Fire Vehicle Outrigger Jacking.
4. **Over Head RCC Fire fighting Water Tank** – 10,000 ltrs for Buildings up to 24 Mtrs height, 25,000 ltrs for buildings from 24 to 70 Mtrs height as well for Special/Non Res.Bldgs. Tank capacity varies depending upon type of occupancy of building.
5. **Under Ground RCC Fire Water Tank** – 50,000 ltrs capacity for Buildings above 24 mtrs to 40 mtrs height, 75,000 ltrs capacity for Buildings from 40 mtrs to 60 mtrs & 1,00,000 ltrs. capacity for Buildings 60 to 70 mts. height and for Special/Non Res.Bldgs. Tank capacity varies depending upon type of occupancy of building. However for group (cluster) of maximum 5 buildings, fire Water tank if single, its capacity should be calculated on the basis of 2250 lpm for minimum 2 hours of fire fighting or min 50% of the total water requirement for all buildings, whichever is higher.
6. (a) **Down Comer System** – 4” dia, C class ISI mark GI pipe, 3 to 5 HP Terrace pump with accessories of ISI mark for each Bldg/Wing upto 24 mts height, with Hose Reels on all floors to be provided with fire service Inlet at accessible position.
 (b) **Riser cum Down Comer System**(each Bldg/Wing) – 6” dia, C class, ISI mark GI pipe, **UG Tank Pump to be of Coupled Type, Positive Pressure Operating** and above capacity for group/cluster of buildings (5 Wings and above) based on calculation with Hose Pipes, Hydrant Valves, Nozzle, fittings, Starter, Pressure Switches, DOL Switch, etc. to be ISI Mark for all bldgs and provided with Fire Service Inlet at accessible position.
 For Bldgs above 60 mtrs, UG Tank Pump to be of Multi Head, Multi Outlet type. **Automatic Sprinkler installation if any, to be provided with independent Pump** of rated output and capacity. **Jockey Pump of rated capacity to be provided for Wet/Sprinkler system, etc.**

Height of Bldg (Mtrs)	OH Tank Pump Cap.	UG Tank Pump Cap.	Head (UG Pump)
(i) 24 to 40 mts	900 lpm	1800 lpm	90 mts
(ii) 40 to 60 mts	900 lpm	2280 lpm	110 mts
(iii) 60 to 70 mts	900 lpm	2280 lpm	120 mts

7. **Hose Reel Hose (Type B)**, to be provided on all floors with shut off nozzle, fixed on wall Only. (fitting of hose reel drums on Riser Downcomer pipe is not allowed).
8. **Extra Standby Pump (Electric for Res. and Diesel driven as applicable)** of same capacity connected to DG Set, to be installed.
9. **Independent Duct provision** to be made for Riser cum Down Comer System for Buildings more than 7 floors and all Commercial Buildings.
10. **Automatic Sprinkler System** to be provided for
 - (a) All types of Bldgs having Basements Parking area more than 200 sq.mt.
 - (b) All Multilevel Basements
 - (c) All Covered Ground and all Upper floor (multilevel) Stilt parking.
 - (d) All Podium Parking (Below Podium).
 - (e) All Mechanical / Puzzle / Stack Parking as Side Wall Sprinklers diagonally fitted on opposite sides of support channels of the structure.
 - (f) All Commercial Bldg below 15 mtrs height with Covered Area more than 500 sq mts. Entire building
 - (g) All buildings other than Residential, Mix and Educational of height above 15 mtrs.
 - (h) All Hotels, Hospitals, Malls, Multiplexes, Warehouses, etc with height above 15 mtrs.
 - (i) All **Residential Buildings above 45 mtrs height** to be fully sprinklered.
IS-15105 – Design and Installation of Fixed Automatic Sprinkler Fire Extinguishing System. **Sprinkler Pump shall be independent** of rated output and capacity.
11. **Garbage chute** if any, shall be provided with **independent Sprinkler system** at each garbage inlet point of the chute pipe..
12. **MCP (Manual Call Points) and PA (Public Address) Communication System** with Talk Back facility to be provided. (Not allowed in Fire Ducts or Staircases)
13. Staircases (apart) to be provided .One enclosed Fire Escape Staircase of Fire Tower Type to be provided with Fire Resistance Doors Assembly (with frame & accessories) of min 120 mins. (45mm thick) and Commercial bldgs to install Metal F. R. Door of CBRI / IPRTI approved. This fire staircase shall be treated for use of inhabitants during fire and other emergencies and will not be taken into any other use, not even for installation of fire fighting system, etc
14. **Fire Resistance Doors** as above, of min 120 mins (45mm thick) as per IS 4079 to be provided for all Flats Entrances and Balcony/Terrace opening Doors for buildings above 60 mtrs.
15. **Fire Escape Staircase** to be provided with Pressurization System, for Bldgs above 60 mtrs
16. All Bldgs above 60 mtrs and Starred Hotels, Malls, Multiplexes, Hospitals above 50 beds to be provided with **Fire Sealant material** of 2 hours rating at every floors at the point of Electric cables and other pipes etc passing through such floors or walls openings, etc
17. Hotel bldgs above 24 mtrs, Hospital bldgs above 15 mtrs, other Fully Commercial Bldgs above 24 mtrs, Residential Bldgs above 45 mtrs and Malls, Multiplexes irrespective of their height to provide **Fire Retardant Paint/Coat** (DRDO approved) for Electrical Cables.
18. **Special Commercial bldgs** like Hotels, Hospitals, Commercial Complexes, above 30 mtrs, Mix Occupancy Bldgs above 45 mtrs and fully Residential Bldgs above 60 mtrs to provide at least 1 no. of Self Rescue Chute for each building.
19. **Among the total Lifts provided**, for bldgs upto 36 mtrs height, minimum one Lift to be Fire Lift of 545 kgs (8 person) capacity. Bldgs above 36 mtrs height to be provided with Fire cum Stretcher Lift (min 1.9 m x 2.5 m). These lifts shall have Fireman's switch and Talk back Facility emergency communication system
20. **Refuge Area** of minimum 1/4th of the maximum floor area to be provided in front & conspicuously marked for identification located after 24 mtr, 39 mtr and every 5th floor thereafter. Refuge Area parapet wall and railings to be painted in red colour and a bold 'Fire Refuge Area' Board of min. 5ft x 3 ft painting prominently to be displayed. Fire Resistance Door (with frame & accessories) of min 120 mins (45mm thick) to be fitted for Refuge Area.
21. **Basement** should have proper Mechanical **Smoke Extraction & Dewatering pump Arrangements** to prevent smoke and water logging.
22. Basement to be used **only for Parking and Nonflammable stores** as per DC Rule Cl.15.11.12 & 15.11.13. Human habitation use of any kind is not permitted.
23. (a) **ABC Type Fire Extinguishers** ,6 kg cap. (ISI mark of Reputed Brand) 2 Nos on every floor and additional 1 Nos for Electric Panel Board, 1 Nos for Lift Room of each building and 1 Nos for D.G. Set /Transformer /D.P/ Feeder pole to be provided.
(b) ABC Type 6 kg cap. (ISI mark of Reputed Brand) -1 Nos. minimum for every shop/office, etc to be provided in case of Mix or Commercial occupancy bldgs.
(c) ABC Type 6 kg capacity (ISI mark of Reputed Brand) -1 Nos. minimum for every 100 sq mtr area for every Basement or other Parking areas AND 1 no for every vehicle for bldgs having Stack Mechanical/Puzzle Parking if any.
(d) ABC Type 2 kg capacity (ISI mark of Reputed Brand) 1 Nos. minimum for every Flat.
(e) **Modular type Fire Extinguisher**, 5 kg cap - 1 Nos to be provided in flat kitchens for Residential Buildings of more than 60 m in height and 1 no over top of every upper car for Mechanical/Puzzle area Parking, if any.
(f) **Automatic Fire Trace & Suppression System** to be provided for Computer Server Rooms.
24. **Courtyard Ring Mains (Above Ground) and or Parking Hydrants** with one 2/4 way Collecting Head for each wing to be provided apart from the bldg in front, at accessible position as per IS 13039 1991 – Provision & Maintenance of External Hydrant System.
25. Fire Pump Installation and all Emergency Lighting System (eg, Staircase, passage, etc) to be connected to **Independent Backup System**, for cluster and Tower Buildings.

26. **LPG Reticulated System (Gas Bank)** installation is preferred from fire safety point in High Rise Building. It shall comply with ISI 6044 – 1988 Code and OISD norms. Modular Fire Ext. 10 kg – 1 No for each Gas bank, (up to 500 kg – 1 No and >500 kg – 2 Nos) ABC Type Fire Ext. (ISI mark) – 6 kgs – 5 Nos.
27. **Glass and ACP Sheet Facade** or any other highly combustible nature Facade materials to be avoided as far as possible. And in no case it should be installed in Lobbies, Passages, Staircases and Exit routes. Provision of clear identifiable access /openings and Red colour markings for firemen use during emergencies.
28. **Heat and or Smoke /Multi Sensor Detectors with Response Indicators(RI)** to be provided for entire False Ceilings and coverings if any.
29. **Fire Evacuation Plan/Fire Orders** to be prepared for Special Buildings with proper display of adequate Directional Illuminated Signages and Exit Drawings boards, etc.
30. **Addressable Automatic Smoke/Multi Sensor Detection and Fire Alarm System** to be provided for Commercial Buildings above 15mtrs height or having floor area above 500 sq.mtrs, with Laser Beam Detectors in Malls, Godowns, Auditoriums , Multiplexes & all other building, including **Residential bldgs above 45 Meter in height** as per IS-2189 1999 Code of Practice for selection, installation and maintenance of Automatic Fire Detection and Alarm System. Detectors and Panel Board to be of reputed company. Linear Heat Detection System for Electrical/Electronic Panels/Computer Server, etc
31. Hotels, Hospitals, Malls and other special/commercial buildings to install **LP Gas Detector Devices** in their kitchens.
32. All Starred Hotels, Hospitals above 50 beds, Malls and other special/commercial buildings to install **Fire Stop Curtains** of minimum 2 hrs resistance in passages, etc at strategic locations.
33. Starred Hotels, Hospitals above 50 beds, Malls, Multiplexes and other special/commercial buildings should apply **Fire Retardant Paint** for Electric Cables and Pipes, etc
34. All Hotels, Hospitals, Malls, Multiplexes, Industrial special bldgs above 15 mtrs height to install **Cloud based Remote Monitoring and Alert Notification System (Feeds)** for their entire Fire Fighting Installation connected to PCMC Fire Brigade Control Centre.
35. Full equipped **Fire Control Room** be provided on Ground floor with **qualified Fire Officer** appointment for Special Bldgs like Hotels, Malls, Multiplexes, Hospitals, etc above 30 mtrs and or recommended by fire dept.
36. **Fire Installation to be got done from the authorized Licensed Agency** of Govt. of Maharashtra only and Drawings for Tower buildings above 40 mtrs height, Commercial Complexes Malls, Multiplexes, Hospitals above 100 beds, Star Hotels etc. to be got approved, from local fire authority before starting of work.
37. **Building Revision if any towards Remaining/Addl FSI, TDR Loading, Addl Plot Amalgamation, etc.** in future, shall be sanctioned, subject to strict compliance of PCMC DC Rules Cl.6.2.6.1, 10.6, 19.6.2, 19.6.3, 19.6.4 and GR No.TPS-1809/287/CR 1924/UD -13, Dt.10/03/2010, for Two Staircases, proper Side Margins & proper Approach Road width clearance, only. Apart from above requirements, the construction of the building and compliance to be carried out as per the following codes, which is the moral responsibility of the applicant –
 - a. **NBC -2016 Codes – Part IV – Fire and Life Safety**
 - b. **ISI Codes**
 - IS-1642 – Code for Fire Safety of Buildings- Details of Construction
 - IS-1643 – Code for Fire Safety of Buildings- Exposure Hazard.
 - IS-1644 – Code for Fire Safety of Buildings- Exit requirement and Personal Hazards.
 - IS-1646 – Code for Fire Safety of Buildings- Electrical Installation.
 - IS-732 – Code for Electrical Wiring installations.
 - IS-1893 – Criteria for Earthquake Design of Structures and
 - IS-4326 – Code for Earthquake Resistance Design and Construction of building
 - IS-2309 – Code for Protection of buildings against Lightning Safety.

NOC Applicable Points Nos.:	1,2,4,5,6b,7,8,9,10(g),12,13,23(a,c,f),24,25,27,29,36 & 37 Only.
NOC Remarks if any	Sub.to Prov.Fire NOC No.Fire/SB/WS/737/2014.Dt.22/09/2014. Sub.to Revi.Plan Letter.No.DA/26/27/PS/1300,Dt.28/05/2015.

Since, this NOC is only for building construction purposes, Fire NOC for the Business / Utility purposes should be taken separately. eg. Malls, Multiplexes, Hotels, Hospitals, Schools, Gas Banks, Gas Agencies, Petrol Pumps, etc.

This NOC is a guideline, based/framed on present codes/rules/conditions, to carry out / provide / install fire equipments and installation as per governing rules. However, practical technical working, designing and actual implementation may require additions to fire equipment, etc depending upon the actual site conditions during/after the construction and or the rules prevailing during that time. The concerned Fire Consultants / Fire Licensing Agency / MEP Consultants / Project Management Consultants / etc should work out on pure technical grounds.

This NOC to be read carefully and note to be taken of all the "Applicable Points" mentioned above. All applicable points/conditions to be fulfilled and fire installations to be installed before the submission of Final Fire NOC. The Fire Fighting System installation to be got done by actual Licensed Fire Agency only, and the Fire Installation Certificate (AMC) in Form 'A' as per Sec.3(3) of Maharashtra Fire & Life Safety Act – 2006, to be submitted at the time of Final NOC.

Difference of fees amount if any, found during Audit, in future, will be recovered from the Applicant / Occupier.

Fire NOC Fees once paid, is Non refundable as per Sec. 17 of Mah. Fire Act - 2006.

This is a temporary NOC, issued only for plan sanctioning of the buildings and layout purposes, from fire prevention point of view. **This NOC should not be treated as a Permission.** This Fire NOC doesn't imply any final clearance of matter or should not be taken as granted for clearance of building permission. Necessary Permissions and or Clearances to be sought from concerned Building Permission/Town Planning, Aviation, MPCB, Defense, Collectorate office, etc Depts as applicable..

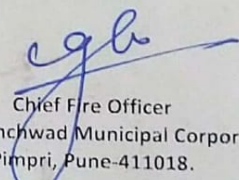
Fire Dept reserves the right to alter, modify, revise or revoke the NOC.

All other rules governing of this department and or changes, up gradation in equipment/installation are applicable from time to time.

Any false or wrong information or documents given knowingly or unknowingly or manipulated, will be liable for cancellation / revoking of the NOC and the applicant will be solely responsible for the matter and will be liable for legal action. NOC Fees paid shall not be refunded.

NOC issued, subject to Balcony, Terrace, etc Projections given above 2nd floor and final approval of this NOC from Building Permission Dept of PCNTDA

(Abbrv: B Basement, Gr Ground, Stl Stilt, Flr Floor, Po Podium, Pr Parking, PoPr Podium Parking, BP Basement Parking, GP Ground Parking, LGP - Lower Ground Parking, UGP - Upper Ground Parking)


Chief Fire Officer
Pimpri Chinchwad Municipal Corporation
Pimpri, Pune-411018.

To,

M/s Archetype Associates

P.No.390,Sec.No.27/A,Pradhikaran
,Nigdi,Pune-44.

For-M/s The Director,

Shobhana Educational Society.

Particulars	Fire NOC Fees (Rs.)	Receipt No.& Date
Total	3,83,100/-	
Pre.Paid.Rs.	-68,800/-	400514150000310,Dt.22/09/2014.
CFC	-1,500/-	300617180013304,Dt.25/01/2018.
Accepted Amount Rs.	3,12,800/-	300617180015131,Dt.20/03/2018.

*Fees Receipt to be preserved properly & Xerox copy submitted during next submission for Revision or Final NOC case.

.....FINISH.....