GOVERNMENT OF ANDHRA PRADESH
FIRE AND EMERGENCY SERVICES DEPARTMENT

From
Aruna M.Bahuguna, I.P.S.,
Director General of Fire& Emergency Services,
Andhra Pradesh, Hyderabad.

To
The Commissioner,
Greater Hyderabad Municipal Corporation,
Hyderabad.

Rc. No. 12585/E4/2009, Dated 17.04.2009

Sir,

Sub:- Fire and Emergency Services Department – Construction of Non-Multi Storeyed Building by Smt. Indira Varma W/o. D.V.P. Varma and Others, in Sy.No.47 (Part), Gachibowli Village, Serilingampally Mandal, Ranga Ranga District - Issue of No Objection Certificate – Reg

Ref:- 1) Application of Smt. Indira Varma W/o. D.V.P. Varma and Others, dt. 19.11.2008.
2) Report of the Multi-Storeyed Building Inspection Committee, Hyderabad Rc.No.8/A1/2009, dt.01.04.2009.

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1) It is to inform that Smt. Indira Varma W/o. D.V.P. Varma and Others, have submitted the application in reference cited (1) for construction of Non-Multi Storeyed Building in Sy.No.47 (Part), Gachibowli Village, Serilingampally Mandal, Ranga Ranga District with Cellar + Stilt + Ground floor + 4 upper floors with a height of 17.45 meters for Educational Occupancy (B).

2) The Multi-Storeyed Building Inspection Committee, A.P. Fire Services Department vide reference cited (2) has recommended for the issuance of No Objection Certificate to the proposed Non-Multi Storeyed Building in Sy.No.47 (Part), Gachibowli Village, Serilingampally Mandal, Ranga Ranga District with Cellar + Stilt + Ground floor + 4 upper floors with a height of 17.45 meters for Educational Occupancy (B).

3) Following are the floor-wise details of proposed High Rise Building:

(School Building)

Floor	Area in Sq. mtrs	Occupancy
Cellar	1968.90	Parking
Stilt	1237.30	Parking
Ground floor	1237.30	Educational Occupancy (B).
Floor-1	1237.30	Educational Occupancy (B).
Floor-2	1237.30	Educational Occupancy (B).
Floor-3	1237.30	Educational Occupancy (B).
Floor-4	1237.30	Educational Occupancy (B).

For PRERANA WALDORF SCHOOL

PRINCIPAL

For PRERANA WALDORF SCHOOL

Correspondent

4) As per Section 13 (1) of A.P. Fire Service Act, 1999 the No Objection Certificate is the proposed of Non-Multi Storeyed Building in Sy.No.47 (Part), Gachibowli Serilingampally Mandal, Ranga Ranga District with Cellar + Stilt + Ground floor + 4 up with a height of 17.45 meters for Educational Occupancy (B) being constructed by S Varma W/o. D.V.P. Varma and Others, and the plans are forwarded herev countersigning the same for your approval.

5) It is assumed that the technical professionals involved, would have ensured c with all relevant rules. The Builder may however be reminded of the Act/Rules/Regulations.

I. A.P. Fire Service Act, 1999 :

As per Section 31 of "whoever willfully contravenes any provisions of th the rules made there under or fails to comply with any requisition lawfully made under any provisions of this Act shall, without prejudice to any other action take him under Section 22 be punishable with imprisonment for a term which may three months or with fine which may extend to twenty five thousand rupees or and where the offence is a continuing one, with a further fine which may exten thousand rupees for every day during which such offence continues after the for the first such offence.

II. Municipal Corporation Building Bye-Laws, 1981 :

As per Bye-Law 12 "On completion of the building work, the licensed technica personnel shall give notice to the Authority in prescribed form in pursuance of sub-se of Section 455 of the Act."

The Builder on completion of the Building and before occupation, secu the Director General of Fire Services for inspection and issue of "No Objection Ce

As per Bye-law 13.1 "No building erected, re-erected or altered material occupied in whole or in part until the issue of an Occupancy Certificate by the affirming that such building is fit for occupation".

III. National Building Code of India :

As per Clause 13.1 of Part-II of the National Building Code of Ind granting of the permit nor the approval of the drawings and specifica inspections made by the Authority during erection of the building shall in any v the owner of such building from full responsibility for carrying out the work in v with the requirements of the National Building Code of India."

For PRERANA WALDORF SCHOOL

Correspondent

Principal,
Prerana Vidyalaya
[illegible]
MAHABUBNAGAR Dist.

VIKAS - The Concept School
CBSE AFF.No 1500131, Dated 12.12.05
Bachupally, Qutubullapur Mandal,
Ranga Reddy Dist - 500 090

IV. The A.P.Fire and Emergency operations and levy of fee Rules,2006

As per Rules 15(5), "On completion of the construction of the High-Rise Building, the applicant shall apply for a "Final No-Objection Certificate" following the prescribed processures.

The building should not be occupied without obtaining "Final No Objection Certificate" from the Fire Services Department.

V. As per Clause 9.3 of Part II of the National Building Code of India "the Licensed Architect/Engineer/Structural Engineer/Supervisor/Town Planner shall be responsible for supervision of the construction and for the completion certificate. In the event of violation of the provisions of the code he shall be liable to penalties as prescribed by the Authority including cancellation of the licence".

vi. Multi-Storeyed Building Regulations, 1981 :

a) As per Regulation 06. "in so far as the determination of sufficiency of all aspects of structural design, building services, plumbing, fire protection, practices and safety are concerned, the specifications, standard and code of practice incorporated in the National Building Code of India enforce from time to time and read with G.O 86 (MAUD) dt: 13-03-2006, shall be fully conformed to, and any breach thereof shall be deemed to be a brea of the requirement under the Multi-storeyed Building Regulations."

b) As per Rule 5(2) of M.S.B. Regulations 1981, the construction of building should be periodically inspected jointly with the representative of Chief Engineer, HUDA and District Fire Officer, Ranga Reddy to ensure that the construction of Multi-storeyed Building is undertaken as per approved plans and Fire Precautionary and Fire Protection measures, as suggested earlier are implemented.

vii) As per clause 3.1.12 of NBC part iv, where change in the occupancy of any building places in a different group or in a different sub-division of the group, such building shall be made to comply with the requirements of the code for the new group or its sub-division and as per clause 3.1.14. A certificate of occupancy shall be necessary, as also required under clause 14.2.2 of part II, Administration of NBC, before any change is effected in the character or also occupancy of any building.

6) The builder has proposed the following open spaces for the Multi-Storey Building.

Side	Open spaee required as per NBC/Revised CBT, 2000	Proposed to be provided by the Builder	Deficit
North	06.00 meters	06.00 meters	Nil
East	06.00 meters	06.00 meters	Nil
South	06.00 meters	06.00 meters	Nil
West	06.00 meters	06.00 meters	Nil

For PRERANA WALDORF SCHOOL

Correspondent

For PRERANA WALDORF SCHOOL

Correspondent

7) MEANS OF ESCAPE: The proposed High Rise Building has the following Means (Internal; External staircases).

The builder has proposed to provide One Internal Staircase with a width of 2.20 meters external Staircases with a width of 1.50 meters each as per provisions of clause (4) of Part-4 of India 2005 and the exit requirements proposed are satisfactory as per the occupant load propo builder exit width required 240/25 = 9.60 units of 0.50 meters ie., 4.80 meters & aggregate exi proposed is 5.20 meters width.

** (The No. of occupants that can be safely evacuated in stair width of 0.5 mtrs i 25 / 50 / 40 in Residential, Educational, institutional, Business, Mercantile and As Due credit for horizontal exits and availed --- See clause 4.3, 4.4 of NBC par- 4).*

8)(a) The approved plans are forwarded subject to provision of the following mini fire fighting systems as per table 23 of part-4 of NBC and strict compliance with other mentioned in this provisional No Objection Certificate.

1) Fire Extinguishers as per IS 2190.
2) Hose reel system.
3) Down comer.
4) Automatic sprinkler system in Basement.
5) Manually operated electrical alarm system.
6) One terrace tank of 25,000 liters capacity.
7) One Booster pump of 900 LPM.

NOTE:- Common pump house and water source are not permissible. The above minin fire fighting installations shall be provided in each High-Rise Building.

(b) Further the MSB Inspection Committee, have requested that the Provision issued with following conditions.

1) All the fire safety systems shall be provided as per the provision of Par of N.B.C. 2005

2) Out of the Open spaces proposed, Open Spaces of 07.00 meters all rou the building shall be hard surfaced capable of taking the Mass of Fire Engine weighing upto 45 Tonnes and the said Open space shall be kept of obstructions and shall be motorable as per Clause 4.6 (b), Part 3 of National Building Code of India, 2005.

3) Fire doors with 2 hours fire resistance shall be provided at appropriate along the escape route and particularly at the entrance to lift lobby con stairwells

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For PRERANA WALDORF SCHOOL

Correspondent

PRERANA WALDORF SCHOOL

Correspondent

4) Smoking venting facilities for safe use of exits shall be provided as per clause 3.4.12 of N.B.C. of India 2005.
5) Illumination of Means of exit in staircase and corridors shall be comply with clause C- 1.4 of N.B.C. Part IV.
6) Provision of Auto-glow exits signs in corridors, staircases and entire escape route.
7) Compartmentation should be provided in basement and all floors area as Cla use C.9 of Annexure C Part 4 of N.B.C. 2005.
8) No temporary structure such as tents or without thatched construction shall be Allowed for educational institutions.
9) Every room with a capacity of 45 students shall have at least two doorways.
10) The occupant load per floor should not exceed 240 students.

9) The following are the specific details of the mandatory Fire Safety measures to be provided in the Multi Storied Building required as per National Building Code of India, 2005. (The following is not all inclusive Refer NBC-4 check List is in Form-16 (Rule-15.1.A) and conditions stipulated by Fire services vide section –13.2 of A.P Fire Act.)

a) The building shall be suitably compartmented so that fire/smoke remain Confined to the area where fire incident has occurred and does not spread to the remaining part of the building as per Clause C-9, Annexure-C, Part 4 of National Building Code of India, 2005.

b) Openings in separating walls in any floor shall be limited to 5.6 mtrs in area with maximum ght of 2.75 mtrs. Every wall opening shall be protected with Fire resisting doors having fire rating of not less than two hours. All openings in the fldors shall be protected by vertical enclosures extending above and below such openings, the wall of such enclosures having a fire resistance of not less than two hours and all openings therein being protected with a fire resisting assembly *strictly complying with I.S. 3614 part-1 -1966* and Clause 3.4.8 of National Building Code of India, 2005, Part-IV.

viii) Every vertical opening between at the floors shall be suitably enclosed or protected, as necessary to provide the following:

ix) Minimum standards of Fire Safety measures in public interest for safety to the occupants while using the means of egress by preventing spread of fire, smoke, or fumes through vertical openings from floor to floor to allow occupants to complete their use of the means of egress. Further it shall ensure to provide a clear height of 2100 MM in the passage/escape path of the occupants (clause 3.4.84 of part 4).

x) Limitation of damage to the building and its contents (See Clause 3.4.8 of Part – IV of NBC, 2005).

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For Prerana Educational Society
Secretary/Correspondent

PRINCIPAL
The Concept School
For PRERANA MONTESSORI & KINDERGARTEN SCHOOL
Correspondent

For PRERANA EDUCATIONAL SOCIETY
Secretary & Correspondent

Note: Where suitable enclosure is not practical, as in case of like in Assembly occupancy sub-group D-6, resort to desi reputed standards (Ex: NFPA 90/92 or equivalent) in terms of and 7.6 of NBC part-2 can be considered subject to appro Services.

xi) Fire Stop: Where openings are permitted, such assemblies and enclosures sh capable of preventing the spread of smoke or fumes through the openings so as to safe evacuation of building in case of fire (as per clause 3.4.9). IS-No. 12458-1988.

a) Air conditioning and ventilating systems shall be so installed and main minimize the danger of spread of fire, smoke or fumes from one floor from outside to any occupied building or structure (Clause 3.4.11.1) Par 2005.

b) Effective means for preventing circulation of smoke through the AC syste fire in air filters are from other sources drawn into the system, and shall sensitive devices fro actuation in accordance with the accepted stand 3.4.11.3) Part IV of National Building Code of India 2005.

c) Separate air handling units for each floor shall be provided to avoid the ha from spread of fire and smoke through air conditioning ducts (Clause 3.4. of NBC, 2005.

d) Fire Dampers shall be provided in the AC system designed so as to close in case of fire and thereby preventing spread of fire or smoke.

xii) Pressurization of staircases shall be done as per Clause 4.10 Part IV of NBC, 2 test certificate of performance shall be submitted for Approval.

xiii) Fire doors with 2 hours fire resistance shall be provided at appropriate pla escape route and particularly at the entrance to the lift lobby and stair W spread of fire and smoke (Clause 4.2.9) Part IV of NBC, 2005.

xiv) Smoke venting facilities for safe use of exits shall be provided as per Claus IV NBC, 2005. Emergency power shall be provided for smoke venting equip

xv) Flame retardant material only should be made use for interior decoration an to prevent generation of toxic smoke/flames. The surface interior finishes sh (Clause 3.4.15) Part IV of NBC, 2005.

xvi) 1 No. Fire Lift complying to Clause C 1.5 Q of Annexure-C of part IV of NBC be provided i.e. one Fire Lift for 1200 sq. meters of floor area.

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For PRERANA WALDORF SCHOOL

Correspondent

Jawahar Vidyalaya
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Dist.

PRERANA WALDORF SCHOOL
Correspondent

xvii) Basements ventilation shall comply to Clause C 1.6 of Annexure-C of part-IV of NBC, 2005.

viii) Illumination of means of exit in staircase and corridors shall comply with Clause C.1.4 of Annexure-C part IV of NBC, 2005.

xix) All fire safety measures as detailed above and as per NBC shall be provided.

xx) Fire Safety plan:-

a) A Fire safety plan for preventing and extinguishing any fire accident in each block/building Fire safety plains distributed to all tenets / occupied of the building management to all their building employees. The Fire safety plan shall be submitted to the fire bridge for approval.

b) A Fire Command Station should be established in the lobby of building on the entrance floor and such command station be adequately illuminated.

c) The main control of the public address system, and fire alarm system should be at Fire Command station.

d) A Fire Safety Director/ building evacuation supervisor should be nominated for the building. He should nominate a Fire Warden for each floor of the Building, does anything, which causes or Stimulates a fire Prevention measures, he should take action as deemed fit to ensure fire safety in public interest.

xxi) FIRE OFFICER :

A qualified Fire Officer with experience of not less than 3 years should be appointed as a caretaker for the entire premises. He should be entrusted with the responsibility of maintaining the systems suggested above, to layout fire orders and fire & Emergency Services.

xxii) TRAINING :-

40% of the occupants/employees should be got trained in fire prevention & fire fighting at Fire & Emergency services within 6 months from the date of occupation of the building from the A.P.Fire Service State Training School, Vattinagulapally village, Ranga Reddy District (NBC-iv-appdx-D-5, NBC-iv-appdx-D-6, NBC-iv-appdx-D-8, appdx-E) (In case of multiplexes, large shopping malls & public assembly buildings) (Refer NBC-iv-d.6,e)

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For Prerana Vidyalaya

Secretary/Correspondent

For PRERANA WARDOR SCHOOL

For PRERANA EDUCATIONAL SOCIETY

Correspondent

XXIII) GENERAL:-

a. Before approaching the departments for final clearance certificate, the applicant should give an undertaking in the form of an affidavit regarding the maintenance of the fire prevention and fire fighting measures suggested above and arranging Training of 40% of the occupants in fire prevention and fire fighting within 6 months from the date of issue of clearance certificate.
b. Hazardous materials such as petroleum products, explosives, chemicals etc should not be stored on any floor of the building.
c. Good house keeping should be maintained in all the floors.
d. Liquefied petroleum gas except domestic cylinders should not be stored in the Building.
e. Plan & occupancy should not be changed without informing fire & emergency services and without taking clearance.
f. The occupancy Certificate should not be issued without obtaining the clearance certificate from the fire services department as per regulation 5(3) of MSBR-1981.
g. All the metal fittings of wet riser system and all the extinguishers suggested above should have B.I.S. markings.
h. Such changes/modifications as may be found necessary during the construction or after construction in interest of public safety, as stipulated by the Fire Services in terms of section – 13.2 of Fire Act will have to be carried by the builder/occupants of the building.

10) (a) This No Objection Certificate is issued with a condition that if the builder makes any deviation from the Fire and Life Safety measures in the sanctioned plan / NBC, the entire building shall be demolished irrespective of the stage of construction.

(b) It may be noted per 1.vii above, that this NOC is valid for the occupancy indicated above.

(c) Strict compliance with NBC part – 4 and G.O 86 mandating deployment of Fire Engine in design to implementation stages is essential, This would obviate the need for costly post construction rectification, if any.

(d) Violation of commitments made by the applicant in Form no 16 would be viewed seriously and defaulter liable for action.

11) You are requested to issue necessary instructions to C.E., GHMC, to undertake periodical joint Inspection of the Multi-Storeyed Building during the construction along with District Fire Officer, Ranga Reddy to ensure that the construction of High-Rise Building is undertaken as per approved plans and fire precautionary and fire protection measures as suggested are implemented.

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CBSE Aff.No.1300[Dated:12.12.05
Bandlaguda, Chandrayangutta
Hyderabad, R.R.Dist - 500 086

For PRERANA WALDORF SCHOOL

Correspondent

For PRERANA WALDORF SCHOOL

Correspondent

12) The builder shall provide any additional Fire Safety measures which the Andhra Pradesh Fire and Emergency Services Department imposes in the interest of Public Safety, without fail.

Yours faithfully,

(Aruna M. Bahuguna), 12/4/09
Director General of Fire and Emergency Services,
Andhra Pradesh, Hyderabad.

Copies to:

i) Smt. Indira Varma W/o. D.V.P. Varma and Others, in Sy.No.47 (Part), Gachibowli Village, Serilingampally Mandal, Ranga Ranga District.

ii) Multi-Storeyed Building Inspection Committee, i.e. Regional Fire Officer, Central Region, Hyderabad, District Fire Officer, Ranga Reddy District and Asst. District Fire Officer, Ranga Raddy District (with a set of countersigned plans).

iii) The Station Fire Officer, Gachibowli Fire Station (with a set of countersigned plans).

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