

Dt. 03.12.2009

From:  
Paramount Estates,  
II Floor, Soham Mansion,  
M.G.Road,  
Secunderabad – 500 003.

To  
The Director General of State Disaster Response and Fire Services,  
1<sup>st</sup> Floor, B.R.K.R.Bhavan,  
Tankbund Road,  
Hyderabad.

Madam,

**Sub: Issue of NOC for construction of MSB in Sy. No. 233, Nagaram  
Village, Keesara Mandal, R. R. Dist, A.P  
Ref: Your letter No. 2216/B1/2008 dated 17.11.2008**

In response to your above referred letter please find enclosed herewith building plans duly incorporated a staircase on the external wall of the building and complied the provision as per clause No.4.6.2 part of 4 of National Building Code of India 2005.

We request you to process our file for NOC at the earliest.

Thanking you,

For Paramount Estates,

(Sohant Modi)

Managing Partner.

Encl: Plans.

**GOVERNMENT OF ANDHRA PRADESH  
STATE DISASTER RESPONSE AND FIRE SERVICES DEPARTMENT**

From

Aruna M, Bahuguna, , IPS  
Director Genl. of State Disaster  
Response and Fire Services,  
Andhra Pradesh, **HYDERABAD**

To

The Managing Director,  
M/s. Paramount Estates,  
5-4-187/324, II Floor  
Sohan Mansion, M.G. Road,  
**SECUNDERABAD.**

**Rc.No.2216/B1/2008, dated. 17 .11..2009.**

Sir,

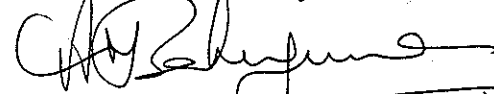
Sub:- State Disaster Response and Fire Services Department - Issue of NOC for Construction of MSB, of M/s. Paramount Estates in Sy. NO. 233, Nagaram Village, Keesara Mandal, Ranga Reddy District - Reg.

- Ref:-1. Letter from Sri Soham Modi Partner, H.No. 5-4-187/3 & 4, II nd Floor, Sohan Mansion, M.G. Road, Secunderabad.  
2. Letter Rc. No. 1116/MSB/RR/2008, dated 09.10.2008 of MSB Inspection Committee.

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- 1). Apropos reference afore cited, (2) the Multi-storeyed Building Inspection Committee has inspected the premises of M/s. Paramount Estates in Sy. NO. 233, Nagaram Village, Keesara Mandal, Ranga Reddy District and reported that the builder has proposed to construct MSB with Basement + Ground /Stilt floor + 08 upper floors with a height of 27.00 mtrs for Residential Occupancy (A4).
- 2). In the Revised plans, the builder has not proposed at-least one staircase on the external wall of the Building as required under clause 4.6.2 part 4 of National Building Code of India 2005.
- 3). In view of the above non-compliance of the provisions of NBC, the issuance of revised No-Objection certificate is not recommended.

Yours faithfully,

714   
(ARUNA M. BAHUGUNA, IPS) 24/XI/09  
Director Genl. of State Disaster  
Response Fire & Services,  
Andhra Pradesh, Hyderabad.  
18.11.09 - 18/11/09

Copy to the MSB Inspection Committee, Hyderabad.

Office of the  
Director General of State Disaster Response & Fire Services,  
Andhra Pradesh, Hyderabad.

**Rc.No.2261/B1/2008**

**Dt.: 28.08.2009**

**MEMORANDUM**

**Sub:** A.P. Disaster Response & Fire Services Department-Issue of Revised NOC for the proposed Construction of Residential Apartments by M/s PARAMOUNT ESTATES in Sy.No. 233, Nagaram (v), Keesara(M), Ranga Reddy District-Reg.

**Ref:** Letter from Sri Soham Modi, Partner, HNo: 5-4-187/3&4, IInd Floor, Soham Mansion, M.G.Rad, Secunderabad.

\*\*\*

- 1) A copy of the reference cited , along with revised plans , check lists is sent here with to the Multi Storeyed Building Inspection Committee, Hyderabad.
- 2) The following members of Multi Storeyed Building Inspection Committee are instructed to inspect the premises of M/s PARAMOUNT ESTATES in Sy.No. 233, Nagaram (v), Keesara(M), Ranga Reddy District and report whether they have provided all Fire Safety measures at their premises as per National Building Code of India and submit the detailed report for taking further necessary action in this matter.
- 3) The following Multi Storeyed Building Inspection Committee are constituted for Inspection of the above premises.
  - i) Regional Fire Officer, C/R, Hyderabad --Chairman,
  - ii) The District Fire Officer, Hyderabad -- Member,
  - iii) Asst District Fire Officer, Hyderabad -- Member.

Sd/-Aruna M Bahuguna, I.P.S,  
Director General of State Disaster Response & Fire Services,  
Andhra Pradesh, Hyderabad.

To:

The Regional Fire Officer, Central Region, Hyderabad,  
The District Fire Officer, Hyderabad,  
The Asst. District Fire Officer, Hyderabad

Copy to Sri Soham Modi, Partner, HNo: 5-4-187/3&4, IInd Floor, Soham Mansion, M.G.Rad, Secunderabad.

//t. c. f. b. o//

*Aruna M Bahuguna* 29/8/09  
**SUPERINTENDENT**  
29/8/09

Office of the  
Director General of State Disaster Response & Fire Services,  
Andhra Pradesh, Hyderabad.

**Rc.No.2261/B1/2008**

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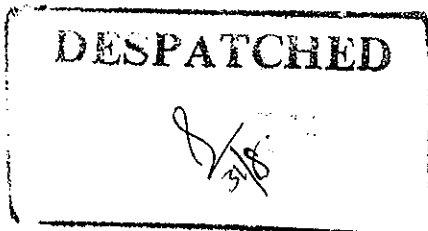
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The Asst. District Fire Officer, Hyderabad

Copy to Sri Soham Modi, Partner, HNo: 5-4-187/3&4, IInd Floor, Soham Mansion, M.G.Rad, Secunderabad.

//t. c. f. b. o//



*Aruna M Bahuguna*  
29/8/09  
SUPERINTENDENT  
29/8/09

# PARAMOUNT ESTATES

5-4-187/3&4, II Floor,  
Soham Mansion, M.G.Road,  
Secunderabad - 500 003.  
Ph.No. 040-66 33 5551/ 2754 3658

Dt. 18.08.2009

To  
The Director General,  
A. P. Fire & Emergency Services Department,  
BRKR Bhavan, Tankbund Road,  
Hyderabad.

Dear Sir,

**Sub: Submission of revised drawings for Fire Dept approval - reg.**  
**Ref: File No. RC No.2216/B1/2008.**

We have obtained Fire NOC along with approved drawings from you in March 2008 under the above referred file number for our proposed residential apartments complex in Sy. No. 233, Nagaram Village, Keesara Mandal, R.R. Dist., A. P.

Originally we have submitted to you the following plans for your approval.

1	Sprinkler System for Cellar Floor Plan	2	Sprinkler System for Stilt Floor Plan
3	Yard Hydrant System for Stilt Floor Plan	4	Typical Floor Plan
5	Riser Connections for Terrace Floor Plan	6	Fire Schematic Plan

A set of above said approved plans are enclosed herewith for your ready reference. In these plans we have clearly marked with red where changes are made in revised plans. Please note site plan of the proposed site was not submitted to you earlier.

Now we are submitting the following revised plans for your approval.

1.	Typical floor plan (revised)	5 sets	In this revised typical floor plan EWS & LIG flats are incorporated. (Total EWS flats are 8 Nos and the total built up area of 8 flats is 234.72 Sq. mtrs and LIG Flats are 8 Nos and the total built-up area is 418.40 Sq. mtrs = Total area of 16 flats is 653.12 Sq. mtrs).
2	Stilt floor plan (revised)	5 sets	In this revised plan only one staircase direction is changed.
3	Cellar/Basement Floor plan	5 sets	There is no change in this plan.
4	Section & Elevation plan	5 sets	There is no change in this plan.
5	Terrace Floor (revised)	5 sets	In this revised plan only one staircase direction is changed
6	Legend plan	5 sets	There is no change in this plan.
7	Site plan	5 sets	Earlier this plan was not submitted to you. Now we are submitting to you for your approval.

We have enclosed herewith a challan for Rs. 6,531/- (Rupees Six thousand five hundred and thirty one only) towards fee on built up area of 653.12 Sq. mtrs of EWS & LIG flats which are incorporated in the revised typical floor plan.



# PARAMOUNT ESTATES


5-4-187/3&4, II Floor,  
Soham Mansion, M.G.Road,  
Secunderabad – 500 003.  
Ph.No. 040-66 33 5551/ 2754 3658

-2-

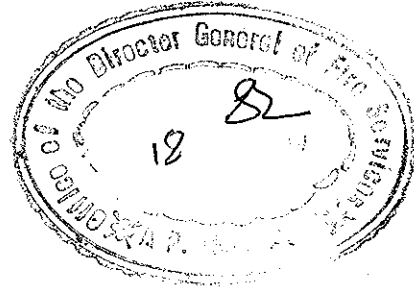
Please process our file for approval at the earliest.

Thanking you,

Yours faithfully,  
For Paramount Estates,

  
(Soham Modi)  
Partner

- Encl: 1. Challan for Rs. 6,531/-  
2. 5 sets of plans (each set contains 7 plans)  
3. Check list - 5 Nos  
4. Approved Plans for reference



# PARAMOUNT ESTATES

5-4-187/3&4, II Floor,  
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Ph.No. 040-66 33 5551/ 2754 3658

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# PARAMOUNT ESTATES

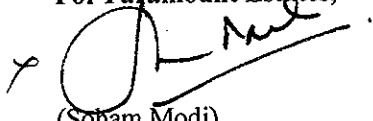
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-2-

Please process our file for approval at the earliest.

Thanking you,

Yours faithfully,  
For Paramount Estates,

  
(Soham Modi)  
Partner

Encl: 1. Challan for Rs. 6,531/-  
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ఆంధ్రప్రదేశ్ ప్రభుత్వము

అసలు ప్రతి / Original

GOVERNMENT OF ANDHRA PRADESH

DTO/STO 143378 Treasury/PAO Code 2 5 0 5

ఖజానా చలాను Treasury Challan No. 042745

పెద్ద పన్ను Major Head 0070 Other Administrative Services

ఉప పెద్ద వద్దు Sub Major Head 60 Other Services

చిన్న పద్దు Minor Head 109 Fire Protection

సామూహిక ఉప వద్దు Group Sub Head

ఉప వద్దు Sub Head 81 Other Items

సరఫరా పద్దు Detailed Head

ఉప సరఫరా పద్దు Sub-Detailed Head

Non-Plan = N/ Plan = P Charged = C/ Voted = V Contingency Fund HH / Service Major Head

మొత్తం రూ. Amount Rs. 6531/-

అక్షరాలా In words Rupees Six thousand five hundred and thirty only

జమచేయువారి పేరు, చిరునామము Rmitter's Name & Address 5-4-187/3 & 4, IInd Floor Soham Mansion, M. G. Road, SECUNDERABAD-500 008.

దేని నిమిత్తం ఫైకము జమ చేయబడినది Purpose for which the amount's deposited. Rent for NCC M. No. 233, Nagaram (V) Kasaba (T)

DDO Code: 2500 100 5003

Head of Account Verified

తేదీ / Date 18.08.2019 Signature of the Rmitter S.T.O./T.O.

అక్షరాలం రూపాయిలలో Received Rs. 6531/- నగదు / డి.డి. ద్వారా జమ చేయబడినది / బ్యాంక్ మేనేజర్ Received Rs. 6531/- by Cash/D.D./Account Credit/ Cheque No. 6625 RECEIVED /Bank Manager

Bank Brach Code NBST / Bank Seal

Note : Seperate Challan Should be used for each detailed head

## CHECK LIST FOR ISSUANCE OF NO OBJECTION CERTIFICATE FOR HIGH RISE BUILDINGS

### ➤ Instructions for filling the Check List

- 1) Read explanatory notes carefully, before filling the form.
- 2) The requirements listed need to be fulfilled to comply with rules and Regulations. If an item is complied with mark 'Yes' and if an item is not complied with, Mark 'No'. If an item is not applicable to the particular building, mark 'Not Applicable' (NA).
- 3) In the pre construction stage, the marking may be Yes/No/NA. In the post Construction stage full details in all columns should be filled in and relevant Vendor literature should be provided for fire safety systems/items.
- 4) Portable fire extinguishers and miscellaneous fire safety measures will be Checked, before issuing of final NOC for enabling the municipal authority issue occupancy certificate and hence the same should be envisaged in the planning stage.
- 5) The Checklist is not all-inclusive. The architect should make sure that all Applicable rules and regulations are fully complied with (NBC, Building bye Laws, MSBR 1981, AP fire service act 1999, etc.)
- 6) The items with '\*' mark are mandatory.
- 7) The design and plan of the building shall be made and countersigned by a Qualified civil or structural Engineer and an Architect (NBC-ii Regulation 13 of MSBR, 1981, Building bye laws)
- 8) If more than one block is proposed, you should attach separate checklist.

### ➤ General Information

*a	Address of the Premises	Sy No. 233(P), Nagarani Village, Keerla Mandal, R.R. Dist, A.P
*b	Address for Correspondence (provide phone number, Fax and email id if any)	PARAMOUNT ESTATES, 5-4-187/384, II floor, Soham Mansion, M.G. Road, Secunderabad-500 003. Ph no. 040-2754 3658 cell no. 98481-94553 e mail id. info @ modiProperties . Com

*c	(i) Number of building blocks (ii) Inter distance between blocks, (if exceeding more than one block or fill 'NA' if only one block exists) (iii) Height of each block in metres from abutting street to terrace of last livable floor	Block (1-2) Block (2-3) Block (3-4) Block (4-5) <p style="text-align: center;">- N.A -</p>  (if more than 5 block continue in the same pattern)  Block 1 Block 2 Block 3 Block 4 Block 5 <p style="text-align: center;">- N.A -</p>
*d	Surroundings of the premises	East : 40' wide Road West : open Area North : open Area South : exist 25' wide Road.
*e	Area of the site in sqr metres (minimum 1000 sqm)	8093.74 SQ.M Total Buildup Area for All Floors: 29238.8 SQ.M.
*f	(i) Total Built-up area of all floors including basements (in sqm) (ii) Fire precaution fee remittance particulars	Fire Precaution Fee Payment should be made in the form of Challan Only. ESeva User charges should be paid in the form of cash.  Challan No. _____, Amount <u>2,92,388</u> and Date _____ Name of the Bank <u>S.B.H. Sec' bed.</u> Name of the Branch <u>R.P. Road, Secunderabad.</u> Treasury challan under the following head of account  SM : 0070 - Other Administrative Services. MH : 109 - Fire Protection & Contril. SH : (02) - Fees of Fires. DH : (001) - Other Receipts. DDO Code: - 25001005001

*g	Type of building occupancy (refer NBC-4,7.5,7.10.2)	RESEDENTIAL																								
*h	Sub Occupancy Type	- N.A -																								
*i	Width of the road to which the building abuts and whether it is hard surfaced and motorable	(i) The premises is abutting <u>40</u> mtrs wide <u>Main</u> street / road, located on the <u>East</u> side and (ii) <u>60</u> mtrs wide <u>Main</u> street, located on the <u>N.E</u> side (iii) <u>25</u> mtrs <u>Exist</u> wide street located on the <u>South</u> side.																								
*j	Entrances (Minimum width should be 4.5 mtrs and head room clearance should be minimum 5.0 mtrs)	Proposed to provide <u>1</u> number of entrance, each of <u>6</u> mtr width, one from <u>60</u> mtr wide road and another from <u>    </u> mtr wide road																								
*k	Car parking	Provision to park <u>125</u> cars at basement parking area, <u>57</u> cars at ground floor, and around the building, after leaving minimum 6.00 mtr driveway from building line.																								
*l	Ramps	Proposed to provide <u>2</u> ramps, one of the <u>S.E</u> side with <u>7</u> mtr width and another on the <u>S.W</u> side with <u>5.50</u> mtr width for the vehicles to reach the common basement (If no basement is there for the building, please enter 'NA').																								
*m	Staircases	<p>➤ No. of Internal staircase <u>3</u> (Minimum 1)  No. of External staircase <u>2</u> (Minimum 1)  All the staircases shall be designed to abut one of its sides to the external wall and out of <u>5</u> number, <u>3</u> number are extended to the basement floor.</p> <p>Location of Staircases in the building (For example North, South, East, West)  Type of StairCase (For Example Internal, External)</p> <table border="1"> <thead> <tr> <th>Sl.No</th> <th>Type of StairCase</th> <th>Location of StairCase</th> </tr> </thead> <tbody> <tr><td>1)</td><td></td><td></td></tr> <tr><td>2)</td><td></td><td></td></tr> <tr><td>3)</td><td></td><td></td></tr> <tr><td>4)</td><td></td><td></td></tr> <tr><td>5)</td><td></td><td></td></tr> <tr><td>6)</td><td></td><td></td></tr> <tr><td>7)</td><td></td><td></td></tr> </tbody> </table>	Sl.No	Type of StairCase	Location of StairCase	1)			2)			3)			4)			5)			6)			7)		
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	8) 9) 10)	(Number of staircases to comply with travel distance NBC-iv 8.5)
		Width of the Internal staircases ___ mtrs (each should be minimum 1.5 mtr for all occupancies other than assembly and Hospital. For Assembly and Hospital minimum width should be 2.0 mtrs)
		Width of the Treads <u>30</u> cm
		Height of the riser <u>3.0</u> cm
		Number of riser <u>7</u> per flight
		Height of the hand rails <u>1</u> mtr (should be 1 mtr). The gap between two verticals <u>14</u> cm (should not exceed 15 cm)
		Head room clearance <u>2.6</u> mtr
		Width of the external staircases <u>1.5</u> mtr (each should be minimum 1 mtr width)
		Travel distance <u>21</u> mtr distance from the farthest point and <u>21</u> mtr distance from the dead-end of the corridor to the staircases (1½ times permitted travel distance is acceptable if entire building is proposed with sprinkler system)
*n	Lifts	<u>1</u> Passenger lift, each of <u>8</u> passengers capacity and <u>1</u> service lift of ___ kgs capacity and ___ number of fire lifts.
*o		<u>2x15</u> kva capacity electrical generator with autostart and auto changeover from normal to emergency source to supply power to staircase and corridor lighting circuits, fire lifts, the standby firepump, pressurization fans and blowers, smoke extraction and damper systems in case of failure of normal electric supply.

**Check List**

S. No	Description	YES	NO
*1	Whether Building Owner/Occupier Name and his address is filled in and signed	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
*2	Whether Location and Address of the Building/Site is filled in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
3	Whether Buildings plans include the following(B -4.2; MSBR-4; NBC-ii-12.2.5.1) Note: The plans should be to scale. All plans shall be not less than 1:100 scale		

*1	Width of the abutting street(to be not less than 12 mtrs.) (MSBR- 8.a;iii-4.6)	YES ✓	NO	
2	Show if it is terminating in dead end(Z-11.3;NBC-iii-4.7;iv-7.4)	YES	NO	NA ✓
*3	Area of the plot	YES ✓	NO	
*4	Plan of all floors with staircases, corridors	YES ✓	NO	
*5	Lift well, ramps,(if provided)	YES ✓	NO	
*6	Two section dwgs, through stairs(B-4.2.iii.a/d;MSBR-4.ii.c; NBC-ii-12.2.5.1.b/c)	YES ✓	NO	
*7	Occupancy of all parts/ floors of bldg, (B-4.2.iii.b; NBC- ii-12.2.5b; 13.2.f; iv-4.3/5; &8.3)	YES ✓	NO	
8	For filling item 8(a-d), please refer to ( A-15.3.c; 15.5, 15.5.a/d; 15.9.f.; NBC-ii-12.2.5.1.j/n;-iv-7.11/12;-D1.6/7; 1.17)			
a	Details of : air-conditioning & dampers	YES ✓	NO	NA
b	Details of : mechanical ventilation & smoke exhaust Systems	YES ✓	NO	NA
c	Details of : vents for smoke to minimize their spread	YES ✓	NO	NA
d	Details of : Vents which should be minimum 2.5% of floor area of Basement	YES ✓	NO	NA
9	For filling item 9(a-b) , please refer to (A-15.2.c;15.4; B-21;MSBR-6;NBC- ii-12.2.5.1.d/e/m;iv-7/8; D-1.5/16; IS- 1646;I.E.R.)			
*a	Location of elec. sub-station, transformer , generator, fire-lift	YES ✓	NO	
*b	Location of smoke-stops in lobby/ floors	YES ✓	NO	
10	For filling item 10(a-d), please refer to (B-21;MSBR-6; NBC-II- 12.2.5.p/q/r/s;-iv.7.10.2)			
*a	Underground static water storage tank, terrace tank and fire pumps	YES ✓	NO	
*b	Detection and fire alarm systems	YES ✓	NO	
*c	hose-reels, wet-riser/wet riser cum Down comer (minimum one wet riser for every 1000 sqm covered area)	YES ✓	NO	
*d	Automatic Sprinklers (basement area >200 sqm automatic sprinklers should be provided)	YES ✓	NO	

*11	Details of motorable access to & around bldg. and turning radius at bldg. corners. (MSBR-8.b/c; 10.i.d;; 12.i.b; ZR-11.3;B-21;NBC- ii-12.2.5.1.a;-iii-4.6/7)	YES ✓	NO	
*12	Vehicular parking spaces (B-20;MSBR-4.i.c;12.i.a; GO.423; NBC-ii-12.2.51.g ,iii-.10/appdx.B)	YES ✓	NO	
13	For filling item 13(a-c), please refer to (B-21; MSBR-6; NBC-ii-12.2.5.1.b/k;iii-12.9.3.f; ii-8.3 to 13) (Note NBC-iv-8.2.7; 8.9.10.m; D1.6.2; A-15.5.a for stairs from upper floors to basement. For corresponding rules for lifts, see NBC-iv-appdx-D1.5.h/j & A-15.4.g.)			
*a	Size(widths) of exit staircases	YES ✓	NO	
*b	Size(widths) of balcony approach, corridors	YES ✓	NO	
*c	Size(widths) of ventilated lobby approach	YES ✓	NO	
14	Compartmentation ( if any), show typical detail of fire- resistant doors/stops(NBC-iv-7.5/6/8; D-9;A15.6)	YES	NO	NA ✓
15	Site plan duly marking open spaces on all sides from the building line to boundary of the premises	YES	NO	NA
4	Type of Construction (B-21/23;NBC-iv-5)			
*a	Construction to be type 1, including for ,external walls, load bearing elements, roof, stairs, lifts ,exit routes corridors.( NBC-iv-5;7.5;IS-1642)	YES ✓	NO	
*b	Specifications for all fire safety items like fire resistant doors used as "fire Cut-offs" or " fire-breaks", or for stairs/lifts, to be furnished (NBC-iv-7.6.1/3/8; 8.2.7)	YES ✓	NO	
*c	Finishing material used for interior surfaces and décor not to generate toxic smoke/fumes (NBC- 7.15; IS 12777 &1642)	YES ✓	NO	
5	Access/Open space			
*a	Minimum width of abutting street (NBC-iii-4.6.a; 4.8; iv-7.4.1.a) In 5(a(1-3) one should be selected depending upon the occupancy and area)	YES ✓	NO	
1	Residential(GOMs No-423 dt 31-07-1998, Para 9.C) _____ minimum 12 mtrs			
2	Commercial/Mercantile up to 1000 sq. mtrs.(GOMs No-423 dt 31-07-1998, Para 8.3.ii)- _____ minimum 12 mtrs			
3	Commercial / Mercantile above 1000 sq. mtrs.(GOMs No-423 dt 31-07-1998, Para 8.3.ii) _____ min 18mtrs			
*b	Dead end in abutting street allowed only in residential bldg. below 30 mtrs. ht,in which case,81 sq. mtrs turning space reqd. (NBC-iii-	YES ✓	NO	

	4.7;Z-8.2; 8.3.1/3)			
*c	Entrance gate minimum width & head room, 4.5&5 mtrs. resp.(NBC-iv-7.4.1;MSBR-8.a)	YES	NO	
d	Approach to bldg. and access space on all sides up to 6 mtrs. width shall (refer to NBC-iii-4.4.2, / 4.6,/8.4, 1.d, /iv-7.4, 7.4.1.c/d,7.10.6 & MSBR- 8.c,10.i.d.)	YES	NO	NA
*1	be hard surfaced for 18 ton fire vehicles and be motorable	YES	NO	
*2	if have roof on water tank or bridge, if any in access route, should withstand a load of 22.5 ton fire vehicle. (NBC-iv-7.10.6)	YES	NO	
*3	This space of 6 mtrs, for access, shall be maintained free of parking, and kept free of any obstructions, structures or fixtures up to ht. of 4.5 mtrs., above which 1.25 mtrs. unenclosed balconies are allowed	YES	NO	
*e	Enter the Height of the Building _____ mtrs (Note for the buildings above 30 m height, the builder shall submit Additional emergency plan of action, including provision and maintenance of hydraulic platform with capacity to have an access upto the terrace of the building, round the clock with officer and crew.	YES	NO	
*f	Open space North,South,East & West sides (NBC-iii-4.6; 8.2.3.1; iv-7.4; MSBR-8.c; 10.i.d; 10.iii) Note- Access space vide a) NBC- iii-4.6, "additional" to open spaces ,reqd. vide iii- 8.2/3,as per NBC-iv-7.4.1., MSBR-4.i.c, 8.c &b) additional to parking space per MSBR-10.i.d. & iv-7.4.1.c. If ht. exceeds 15 mtrs. refer NBC-iii-8.2.3.1.& MSBR-10.iii for minimum open space, around the bldg	YES	NO	
*1	Open space on North side <u>9.0</u> mtrs	YES	NO	
*2	Open space on South side <u>9.0</u> mtrs	YES	NO	
*3	Open space on East side <u>9.0</u> mtrs	YES	NO	
*4	Open space on West side <u>9.0</u> mtrs	YES	NO	
6	Exit Requirements			
a	General Exit Requirements (B-20/21; NBC-iv-8, appdx. D) (Note-Lift and escalators shall not be considered as exits.(B-20; NBC-iv-8.1.1))			



*1	Every public place to have sufficient safe exits-without passing through another occupied unit. (B20; NBC-iv-8.2.1/9)	YES	NO						
*2	All escape Exit routes to have clearly visible & illuminated signs with battery backup emergency alternate power supply ,(NBC-iv-8.2.5; 8.15.3/4/10, D14.b)	YES	NO						
*3	Fire-check doors for fire resistance of one hour to prevent spread of fire/smoke, in escape routes, particularly at entrance to lifts and stairs which are prone to funnel/ flue effect ( NBC-iv-8.2.7)	YES	NO						
4	Exits to suffice simultaneously for assembly and other occupancy, if any, unless Fire department determines that, condition are such that simultaneous occupancy will not occur -(NBC-iv- 12.4.8/9)	YES	NO	NA					
b	Number and Size of Exit Requirements								
*1	Number of floors (Stilt) Ground + 8 Number of Basements 1 Basement.	YES	NO						
*2	Number of persons within any floor area or occupant load shall be based on actuals, but not less than that given in (NBC- iv- 8.3; Table 22)	YES	NO						
	Floor	Area in Sq mtrs	Classification of Occupancy	No of occupants	No. of Occupants adopted	No. based on Table 22	Total aggregate width of stair-case in mtrs		
	Basement 1	0376 32.17	Parking						
	Basement 2 Ground floor Stilt	2650 32.17	"						
	Floor1	2589.10		120	12		3.0		
	Floor2	2589.10		120	12		3.0		
	Floor3	2589.10		120	12		3.0		
	Floor4	2589.10		120	12		3.0		
	Floor5	2589.10		120	12		3.0		
	Floor6	2589.10		120	12		3.0		
	Floor7	2589.10		120	12		3.0		
	Floor8	2589.10		120	12		3.0		
	Floor9	/							

	Floor10						
*3	Capacity (aggregate width) of exits shall be based on occupant load (in the affected floor(s) and occupants that can be safely evacuated per 50 cms of exit, which is: 25/50/75 for stairs/ramp /doors, respectively, for residential educational or institutional bldgs. Corresponding figures are 50/ 60/ 75 for business& mercantile bldgs... for assembly occupancy 40/50/60, stairs/doors/ramps respectively (NBC- iv- 8.3/ 4) (Aggregate stairs width) <u>1.5</u>	YES	NO				
*4	Locate exit stairs, so that travel distance does not exceed 22.5 mtrs for residential, educational, institutional and hazardous occupancies and 30 mtrs for assembly, business and storage and 45m for Industrial buildings. These should be remote to one another and should provide exit in different directions. For basements travel distance should not exceed 15 meters(NBC-iv- 8.5)	YES	NO				
*5	Doorways to be min. 100 cms (200 cm. for assembly areas)	YES	NO				
*6	open into corridors or through landings into enclosed staircases for continuous protected egress (NBC-iv- 8.7).	YES	NO				
*7	staircases shall be of enclosed type (NBC-iv-8.6)	YES	NO				
*8	No. and sizes of exit staircases to depend on 6b(1 to 3) above and 7A5 (NBC-iv-8.3/4/5&6,8.9.10)	YES	NO				
*9	Exit doors to be open able from served side, without keys.(NBC-iv-8.7.5)	YES	NO				
c	Corridors and Passageways						
*1	The width of the above shall not be less than the aggregate required width of exit doors leading in direction of egress .(NBC- iv-8.8.1)	YES	NO				
*2	The above (& stairs/lifts) shall have fire/smoke resistant doors	YES	NO				
*3	have adequate ventilation(NBC-iv-8.8.3)	YES	NO				
*4	illumination required to ensure safe travel	YES	NO				
7	7a Internal Staircase						
1	For 1(a-d) ( Refer NBC- iv-8.9.6/7/8)						

*a	Minimum width 1.5 mts.. for other than Assembly buildings(For Assembly and Hospital buildings minimum width is 2.0 meters)( Net width of stairs, available between hand rails important)	YES ✓	NO	
*b	Tread 25/30 cms. for residential/other than assembly Riser max 15 cms ht	YES ✓	NO	
*c	No. of risers not more than 15 nos. per flight	YES ✓	NO	
*d	Construction should be with non-combustibles material.(NBC- iv- 8.9.1)	YES ✓	NO	
*2	To be a self contained unit with at least one external wall and be completely enclosed. (NBC- iv- 8.9.2)	YES ✓	NO	
*3	Shall not be around lift(NBC-iv-8.9.3)	YES ✓	NO	
*4	Hand rails to be at at 100 cms. height (NBC- iv- 8.9.9)	YES ✓	NO	
*5	To be designed such that the no. of people in between floor landings, is not less than those on each floor. (NBC- iv-8.9.10)	YES ✓	NO	
*6	To contain no electrical shafts/AC ducts or gas pipes.(NBC- iv-8.9.4/10.f)	YES ✓	NO	
*7	Access to stairs shall be through one hr. rated fire/smoke door (NBC-iv-8.9.10.b)	YES ✓	NO	
7B	External Stairs			
*1	Shall be directly connected to ground.(NBC- iv-8.11.2)	YES ✓	NO	
*2	Minimum width 1.00 meters	YES ✓	NO	
*3	Entrance to be separate and remote from internal stairs. (NBC-iv-8.11.3)	YES ✓	NO	
*4	To have no wall/window opening , close to it (NBC-iv-8.11.4)	YES ✓	NO	
*5	Open able vents/ducts to outer air be provided at landings to facilitate venting of smoke, if any, and for rescue/fire fighting (NBC-iv D-1.4).	YES ✓	NO	
*6	Route to be Always free of any obstructions /doors shall be open able from the served side without use of a key(NBC-iv-8.11.5/8.7.5)	YES ✓	NO	

*7	Shall be of noncombustible materials and doors leading to it shall have the reqd. fire resistance. (NBC- iv-8.11.b)	YES	NO		
*8	Fire escapes not to be taken into account in calculating evacuation time.(NBC-iv8.11.10)	YES	NO		
*9	Width/tread, to be not less than 100/20 cm. resp.; riser not more than 19 cm. and flights/angle not more 15/45 degrees, resp. (NBC-iv8.11.7/8).(However, the corresponding dimensions for internal stairs ie: width/tread/riser at 150/30/15 cm. resp. are much preferred to ensure safer evacuation.)	YES	NO		
8	Miscellaneous Exit Items				
A	Fire Tower				
1	Fire Tower is the preferred escape route, being an enclosed staircase, approached from floors, thru. landings separated from floors and stairs by fire-resistant doors and open to outer air (NBC-iv-3 & 8.13)	YES	NO	NA	✓
2	For business, mercantile, institutional, theaters , if >8 stories or >24 mtr ., in height, at least one fire tower is reqd.	YES	NO	NA	✓
B	Horizontal Exits				
1	To have width 100cm. with at least one fire door of self-closing type(NBC-iv-8.12.1/2)	YES	NO	NA	✓
2	Doors to be openable at all times .from served side(s) (NBC- iv 8.12.5)	YES	NO	NA	✓
3	Floor area on opposite/ refuge side, to be not less than 0.3sq.mtrs.for every occupant on served side and to have adequate exits for these occupants (NBC-iv 8.4.3 &8.12.3)	YES	NO	NA	✓
C	Ramps				
1	To be not steeper than 1 in 10 and Never steeper than 1 in 8. Surface to be skid proof NBC-iv-8.14)	YES	NO	NA	
*2	To never abut the street without level space, so as to provide safe sighting, before driving into the street. (MSBR-12.i.b; Z-11.3; NBC-iii-10-appendix-B).	YES	NO		
3	In plots over 2000 sq. mtrs. Ramps shall be within bldg; line, for safety reasons (MA&UD-GO-423- dt.31-7-98)	YES	NO		
d	Refuge area (NBC-iv-8.12.3 & appendix D-1.11) ____ sq mtrs	YES	NO		
9	Electrical Safety				

*a	To comply with Indian Electrical Rules ,including related Indian standards/Codes stipulated therein ; NBC- iv-7.7 &viii-2 ; N.E.C.-iii-3; and IS-4878-14 ; IS- 1646 &732.	YES ✓	NO	
*b	Elec. Installations shall be by licensed electrical contractor & supervised by holder of competency-certificate/permit issued by government. Appropriate certificates reqd.(IS-732-3.5)	YES ✓	NO	
*c	Completion drawings showing all circuits to enable functional checks to verify compliance with applicable rules(NBC-viii-3-9.1.5/9.2; IS 732.-3.1/4.1/5/9)	YES ✓	NO	
d	Specific Requirements	YES ✓	NO	NA
*1a	Emergency and escape lighting powered by source independent of normal power, for stairs/ exit routes & fire alarm	YES ✓	NO	
*1b	with One and half hrs. battery backup (NBC-iv-8.15 ; appendix-D1.14)	YES ✓	NO	NA
2	Alternate/Emergency generator fed, separate, direct power circuits for For Item 2 (refer NBC-iv-D.1.5.p ;1.6.4.3 ; 1.12,14,15)	YES ✓	NO	NA
*a	Fire pumps, lifts	YES ✓	NO	
*b	Smoke Exhausters	YES ✓	NO	
*c	Emergency Lighting	YES ✓	NO	
*d	Fire Alarm /P.A. Systems (Note: Auto start and auto switch over from normal to emergency source should be ensured	YES ✓	NO	
3	Transformers ,if in basement to have enclosure of 4hr. rating (NBC-iv-D1.16.d)	YES	NO	NA ✓
4	Transformers room/enclosure, location and ventilation / exhaust to be such that no smoke or fumes there from can ingress into exit/escape routes or parking or other parts of the bldg(NBC-iv-12.6.5)	YES	NO	NA ✓
*5	Transformer plinth should be at least 15 cm. above grade and if oil filled should have curbs to prevent egress of leaking oil into any parking area.(NBC-viii-2-4.2.2.c/g.)	YES ✓	NO	
6	Periodical verification of efficacy of emergency/alternate power supplies and related escape and fire safety equipment.(IS-1646-3.6&11.6)	YES ✓	NO	NA
*7	Compliance with I.S.1646;732; 10028,regarding fire safety of bldg. , electrical wiring & transformers resp			
8	Indoor transformers to have auto. High velocity water spray or Emulsifying system.(is-15.10.3)	YES ✓	NO	NA
9	Transformer shall have soak pit, fencing and provided with 45 ltr foam trolley.	YES ✓	NO	NA

e	Power circuits	YES	NO	NA
*1	The lighting in, passageways, stairways, exits, and parts of bldg. open to public, should be divided into two halves, each half being fed by separate circuit, controlled by switches, located remote from each other.(IS-1646)	YES ✓	NO	
*2	Electrical fires being common cause of fires, strict compliance I.E.R 30 (ISI, compliant electrical material) and IS-732 & NBC- viii-2,(for electrical wiring), is essential	YES ✓	NO	
*f	Lightning protection per IS- 2309. (NBC-iii-19)	YES ✓	NO	
10	Fire Protection (The following aspects should be taken care of.)			
a	Building Design			
*1	Type of construction to comply with item 4, above, to prevent rapid spread of fire, smoke or fumes which may otherwise contribute to loss of lives and property. Fire resistance ratings to comply with NBC-iv cl-5 Table 1. (Any deviations to be specifically, noted )	YES ✓	NO	
2	If a bldg. has more than one occupancy it shall comply with requirements of the most hazardous one, unless 4 hr. rated separating wall is provided (NBC- iv-7.)	YES	NO	NA ✓
*3	Fire resistant doors, 1 hr. rated, in escape routes, particularly .at entrance to lifts, staircases, per 7.a-7, above.(NBC-iv-8.2.7& IS-361	YES ✓	NO	
*4	Doorway or opening in separating walls/floors to limit spread of fire, smoke by use of 2 hr. rated fire resistance doors/steel rolling shutters (NBC- iv-7.6 & 7.6.1/7.8; IS-12458)	YES ✓	NO	
*5	Openings in walls/ floors for cables, plumbing etc. to be in ducts/shafts enclosure of 2hr.fire-resistance, with I hr. rated inspection doors.(NBC-iv-7.6; 7.6.3; & D1.9)	YES ✓	NO	
*6	Seal space between cables etc. and shaft ,with fillers, to stop fire at every floor level.(NBC-iv-7.6.3)	YES ✓	NO	
*7	Surface finishes on walls/ ceilings/façade shall minimize the spread of fire or toxic fumes (NBC- iv-7.15.1;D11.1 )	YES ✓	NO	

*8	Use " class 1 flame-spread", surfacing material, and fabric materials used for décor, carpets, curtains etc. per IS 2777. (NBC-iv-7.15.2;12.6.1;D1.2, 11.1)	YES	NO	
*9	Walls, partitions or floors lined with combustible material, to have surfaces conforming to IS 1642, to prevent rapid fire spread, hampering escape of occupants. (NBC-iv-7.15.5)	YES	NO	
*10	Openable windows, on external walls or on fully glazed facades, to have locks which can be opened by fire-man's axe to enable quick access for rescue of inmates, and for fire-fighting. (NBC-iv-7.16; D1.7). (Note – Accessibility of fire men into higher floors is important)	YES	NO	
b	Air Conditioning/ Ventilation			
1	To be designed to minimize spreading of fire smoke & fumes from one fire area/floor to another or to escape/exit path ,staircases, etc. (NBC- iv-7.11 & D1.17;viii-sec.-1/3)	YES	NO	NA
*2	In case of fire, or smoke at A.C's outlet, Automatic dampers to close, to stop spreading of smoke	YES	NO	
*3	In case of fire, stop fans, unless these are arranged to remove smoke from fire area.(NBC-iv-7.11,2)	YES	NO	
*4	From safety point of view, separate air handling systems for various floors are preferred, to minimize hazard of smoke spreading.(NBC-iv-7.11.4)	YES	NO	
c	Smoke Venting Note -It is well established that far greater lives are lost due to smoke (more so, if exits are deficient), than due to fire-burns ! (NBC-iv-7.1/12; 8.2.7; D1.6 )			
*1	Automatic smoke vents, with area min.3.3% of floor area, in assembly areas and balconies , shall be installed.(NBC- iv-7,12.2/4 ;12.6.11)	YES	NO	
*2	The above, is natural draft smoke venting, opened by smoke sensitive device, automatically. To substitute this with powered exhausters, dept.'s permission is reqd..(NBC-iv-7.12.2/5)	YES	NO	
d	Basements			

1	Basements, to be separately ventilated with grills etc.having2.5% area of floor. Alternately, air inlet& smoke outlet ducts at floor & ceiling level resp. be provided (NBC-iv-D1.6.1)	YES ✓	NO	NA
2	Mechanical extractors with 30 change/hr. in case of fire fed by alternate power also reqd. for lower basement, if any..(NBC-iv-D-I.6.4)	YES ✓	NO	NA
3	Smoke from basement fire shall in no case ingress into any exit path/stairs serving upper floors (NBC-iv-D1.6.6)	YES ✓	NO	NA
4	Use of LPG/Pr. stove in basements is prohibited, while allowed in other areas 4 hr, fire- resistant enclosures. (NBC-iii-12.9;iv-D1.6.5)	YES	NO	NA ✓
*e	First aid fire extinguishers should be provided as per IS-2190:1992 & NBC-iv-7.10.4	YES	NO ✓	
*f	Fire service inlet(4 way)(NBC-iv- 7.10.6.b)	YES	NO ✓	
*g	Fire lift(546 Kg capacity)@1 for every 1200sq m floor area(NBC-iv-appdx-D-1.5)	YES	NO ✓	
11	Special Hazards			
*a	Rooms with refrigeration equipment/transformer not to be adjacent to each other and should be vented separately to outer air.(NBC-iv-12.6.5)	YES ✓	NO	
*b	All rooms/areas storing combustible material/equipment/etc. be effectively cut off from exits/assembly areas.(NBC-iv12.6.6)	YES ✓	NO	
*c	Whether minimum fixed fire fighting installations as prescribed in table 20 of NBC-iv are provided	YES ✓	NO	
12	Miscellaneous			
*a	For building 15m and above, NBC-iv, appdx-d is applicable	YES ✓	NO	
*b	One Fire lift with capacity of not less than 545kg (8 persons lift)for every 1200 sq mtrs of floor area shall be provided(NBC-iv-D-1.5)	YES ✓	NO	
*c	All floors to be compartmented into 750sq mtrs area through 2hr rated fire separation walls(NBC-1V-D-1.8)	YES ✓	NO	
*d	Basement ventilation and staircases shall be such that smoke cannot travel to upper floors	YES ✓	NO	
*e	No of Wet Riser's / Wet Riser Come Downcomer	YES ✓	NO	
*f	Underground static water storage tank capacity ltrs	YES ✓	NO	NA ✓
*g	Terrace tank ltrs	YES ✓	NO	
13	Fire pumps Note: Refer table 20 clause 7.10.2 for 13(a-e)			
*a	Jockey pump of ltrs/min	YES ✓	NO	
*b	Electrical main pump of ltrs/min	YES ✓	NO	
*c	Stand by diesel pump of ltrs/min	YES ✓	NO	



	*d	Electrical pump for sprinkler system	liters/min	YES	NO	
	*e	Booster pump of	liters/min at terrace level.	YES	NO	
14						
	*a	Whether estimates for Fire Safety System (certified by the architect) submitted ?		YES	NO	
	*b	Whether 15% of the estimates of Fire Safety System as Bank Guarantee is submitted ?		YES	NO	
	*c	Whether Challan submitted ?		YES	NO	
	*d	Whether Undertaking on Rs 100/- Stamp paper submitted ?		YES	NO	
15	Provide name, address, licensed no.,signature of technical staff					
		Name	Phone number(Land line/Mobile)	License no	signature	
	Builder			For PARAMOUNT ESTATEE		YES NO
	Architect					YES NO
	Structural Engineer			For VEAS POWER PROJECTS		YES NO
	Electrical Contractor	A (B-1242) Camal		No.No.33-ST-ENGG/7P10/M.C.P./2003/550		YES NO
	Fire Safety Contractor	SA GINI-D-ASSOCIATES	9885166673. 040-64526676	Proprietor.		YES NO
				For AGNI 'D' ASSOCIATES		YES NO
Explanatory Notes						
	a					
	1	"A" ----A.P. Apartments(Promotion of construction and ownership)Act and Rules -1987.				
	2	"B"----The Municipal Corporation Bldg. Bye Laws - 1981				
	3	"Z"-Zonal Regulations 1981.				
	4	"MSBR"---Multi storyed Building Regulations -1981.				
	5	"NBC"---National Building Code of India (SP-7-1987 ammended in January 1997) . "III"/"IV","VII" etc. refer to parts of NBC.				
	6	I.E.R. refers to Indian electrical rules.				
	7	S.P.30-1984 is the National Electrical Code.				
	8	I.S. refers to Indian Standards				

b	NBC-iv-appdx-D, is mandatory for bldgs. 15 mts and above. However, may be referred to for other buildings. Also, depending on the degree of compliance with applicable rules or local conditions, as determined by the fire department			
c	Each of the rules is sufficient provided all others are followed. Hence, inadequate compliance with one rule may warrant enhanced stress on others, as consented to by fire department			
d	Brief descriptions are given for each item The referred rules give details			
e	<p>Considering the safety scenario in most high-rise bldgs, the un-reliability of power supply, and the high incidence of elec. shorts circuits, etc., resulting in fires, the manual and automatic fire-alarm are preferred for all high-rise bldgs.</p> <p>For the same reasons and because delays in fire reporting/ quenching is often causing avoidable loss of lives and property. Hence automatic sprinklers, which have proven cost effective, are preferred for such bldgs.</p>			
f	In the pre construction design provisions and commitments can be evaluated but all columns cannot be filled in detail. In this case brief description with applicable I.S. can be given. However, in the post construction stage, specific details of installations, corrections in approved drawings to reflect "as-built" situations, and certificates etc, duly signed by technical persons, should be submitted and all columns filled up, to facilitate inspection, functional checks and issuance of NOC required for occupancy certificate from Municipal authorities.			
g	NOC is valid for the particulars provided in the application. For any change of class of occupancy, fresh NOC for occupancy will be required (NBC-iv-4.3&4.5 &NBC-ii cl -13.2.f & B-4.2.iii-b).			

h	<p>Most of the fatalities, in fire incidents are due to</p> <p>a) Unrestrained and avoidable spreading of Smoke / fumes due to insufficient smoke Sealing/exhaust arrangements</p> <p>b) Smoke in escape route and in stairs make them Difficult to use.</p> <p>c) Inadequate aggregate width of stairs with Insufficient ventilations.</p> <p>If smoke exclusion from exit stair case is not ensured, then larger aggregate width of stairs would be required to ensure evacuation of inmates of affected floors within two and half minutes stipulated in NBC Part iv-cl-8.4</p>			
i	<p>Any critical delay in rescue by fire fighters because of insufficient access to the mandatory 6m-width access path compounds the problem due to obstructions (upto 4.5m height) like low balconies, support structures and fixtures and parking of vehicles. Therefore the rules related to 8 and 9 above call for strict compliance for preventing</p>			
j	<p>In each specific case, the fire department may stipulate additional measures, as being necessary for ensuring fire safety of building inmates and public</p>			
k	<p>The architect and the owner of the building shall sign the checklist and plans.</p>			
l	<p>This checklist does not cover cinema occupancy (sub occupancy type 01 &amp; 02)</p>			