



# VASAI VIRAR CITY MUNICIPAL CORPORATION FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

o/c

पराज

VVCMC / FIRE / 01 / 2013-14

DATE: 02/04/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention requirement for the proposed "Residential Building No. 5 wing- B, C & D located on plot Bearing S. No. 245, H. No. 1B, 1C at Village Virar Tal Vasai, Dist -Thane.

- Ref :-**
- 1) A Letter from Deputy Director Town Planning No. VVCM/NR/3318/2012-13, Dated: 08/03/2013.
  - 2) An Application from M/s. J. P. Mehta and Associates, Dated: 25/02/2013.
  - 3) C.C. issued by CIDCO No. CIDCO/VVSR/CC/BP-1564 & 1566/E/5791 Dated 04/02/2010.
  - 4) Built up area Certificate received from M/s. J. P. Mehta and Associates, Dated: 04/03/2013.

Applicant has given a Proposal for "Residential Building No. 5 Wing B, C & D G + 7 Floors" on above mentioned S. No. Plot. Construction work of the plinth is in process. Applicant had obtained C.C. as per Ref. No. 3.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the plinth is in process & Applicant had obtained C.C. as per Ref. No. 3. This department is suggesting the following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

## OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building with the height of 23.80 meters. The proposal is scrutinized for the proposed Residential Building No. 5 (1 Wing).

Ground floor and upper seven floors of proposed building No. 5 wing B, C & D will have residential tenements.

The site is accessible from 12.00 meter wide road.

## SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

## OBSERVATIONS OF STAIRCASES (According to Plan)

- One Staircase is provided for the each proposed wing.
- Separate Duct for fire fighting is not shown in the plan.

## OBSERVATIONS OF LIFT (According to Plan)

- One lifts is provided for the each proposed wing.

## SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

## FIRE FIGHTING REQUIREMENTS:

### OVERHEAD TANK (For each wing)

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be Provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### PORTABLE FIRE EXTINGUISHER:- For each wing)

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

See  
03/04/13



**DOWN COMER SYSTEM :- For each wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only. 100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**EXTERNAL / YARD HYDRANTS (For each wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**GENERAL RECOMMENDATIONS****ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation fees of **Rs. 3,60,000/-** Vide **Receipt No. 76183 Dated 15/03/2013** for the total gross built up area **5703.346 Sq. mtr.** as certified by the Architect vide his letter No. ---- **dated 26/03/2013.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you



**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

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VVCMC / FIRE / 03 / 2013-14

DATE: 02/04/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Industrial Building" On land Bearing S. No. 39, H. No. 1, 2, 3, 4 at Village Waliv, Tal- Vasai, Dist- Thane.**

**Ref :- 1) A Letter from Deputy Director Town Planning No. VVCM/NR/3230/2012-13, Dated: 28/02/2013.  
2) An application received from M/s. Vastukala Architects Pvt. Ltd, Dated: 27/02/2013.  
3) C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-0619/2012-13, Dated: 09/01/2013.**

Proposal for proposed **Industrial Building Basement + Gr. + Part 1<sup>st</sup> Floor** on above mentioned S. No. Plot. The construction work of the building is completed up to plinth level. Applicant had obtained C.C. as per Ref No. 3.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present construction work of the building is completed up to plinth & applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the proposed Industrial Building with the height of 11.20 meters. The proposal is scrutinized for the proposed Industrial Building.

Basement of proposed Building is proposed to use for Storage Purpose while Ground floor & all the upper First floors is proposed to use for Industrial purpose.

The site is located on 12.00 meter & 9.00 meter wide road.

### SUGGESSIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF BASEMENT: (According to Plan)

- Basement is Proposed to be use for Storage Purpose.

### SUGGESTIONS FOR BASEMENTS : -

#### BASEMENT:-

#### SPRINKLER SYSTEM :-

Required in Basement. Separate Pumping arrangement should be provided for the Basement. Guidelines are given in IS 15105 Design and installation of Fixed Automatic sprinkler fire Extinguishing system.

- Applicant shall provide Ring Hydrants in Basement
- Basement shall be separately ventilated.
- Alternatively a system of air inlet shall be Provided at Basement Floor Level & Smoke outlet at Basement ceiling Level.
- De-watering Pump shall be Provide for the Basement.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- Seven staircases are provided for the proposed building.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.
- The width of the staircase shall not be less than 1.50 meter.



**OBSERVATIONS OF LIFT (According to Plan)**

- One Lift is provided for the proposed Building.

**SUGGESTIONS FOR LIFT:**

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

**FIRE FIGHTING REQUIREMENTS :****UNDERGROUND WATER STORAGE TANKS**

Water storage tank with 1,00,000 liter capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

**OVERHEAD TANK**

Overhead tank of 20,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**WET RISER : (For each Staircase)**

Wet Riser of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided with a Double Hydrant outlet & Hose Reel on each Floor. In such a way as not to reduced the width of the staircase. Pressure reducing discs for orifices shall be provided at lower level. So as not to exceed on the pressure of 5.5 Kgs. / Sq. cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.

**FIRE PUMP AND JOCKEY PUMP :**

1. Wet Riser shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min.. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. A Jockey Pump of required capacity shall also be provided.
3. Electric supply (Normal) to this Pump shall be independent circuit.
4. Sprinkler pump of suitable capacity shall be provided.

**RECOMMENDATIONS FOR WET RISER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. **(Including ground floor)**
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each Staircase)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**FIRE ALARM SYSTEM :-**

Proposed building shall be provided with manual fire alarm system with main control panel at ground floor level and pill boxed and hooters at each at the upper floors levels. The layout of the fire alarm system shall be in accordance to the Indian Standards Specifications.

**AUTOMATIC DETECTION & ALARM SYSTEM: -**

Required in basement & on each floor. Automatic Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system.

**EXTERNAL / YARD HYDRANTS**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the wet riser.



**ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

**D. G. sets shall be provided for fire – pump, Fire lift, staircase and corridor lighting Circuits manual fire alarm system and jockey pump.**

**HOSE BOXES:-**

Near each external hydrant, hose boxes (Double Door) to be provided in the each Residential buildings. Each box shall be equipped with 2 x 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall conform to latest IS: 636 and 903 respectively.

**GENERAL RECOMMENDATIONS****ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 5,00,000/- Vide Receipt No. 90610 & Rs. 5,00,000/- Vide Receipt No. 90609 Dated 01/04/2013** for the total gross built up area **5753.04 Sq. mtr.** as certified in C.C. vide letter No. VVCMC/TP/RDP/VP-0619/2012-13, Dated: 09/01/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



*[Signature]*  
CHIEF FIRE OFFICER

VASAI VIRAR CITY MUNICIPAL CORPORATION.

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

सनात मेहता O/C

VVCMC / FIRE / 06 / 2013-14

DATE: 08 / 04 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 1 Wing-H" In Sector-IIA, Phase-I On land Bearing S. No. / H. No. 180, 181/2, 185/1 to 12, 186, 187B, 188/pt, 190, 191, 197, 192, 193, 194, 196, 199, 201, 202, 203, 204/3pt, 204/4, 205/1, 2, 3pt, 6, 7, 206/pt, 206/pt, 208/1, 2, 4 to 8, 209/pt, 211/1, 2, 3, 6, 7pt, 212/3, 213/1, 214/3, 215/pt, 215/pt, 216/1, 2, 4, 220/pt, 221/1, 2, 223/1, 2, 250/pt, 250/pt, 251/8, 254, 255/1 to 4, 257/1, 259/1, 260pt, 260pt, 261 & 263 at Village Nilemore Tal- Vasai, Dist-Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/3439/2012-13, Dated: 19/03/2013.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 18/03/2013.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 18/03/2013.  
4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-111/100/2012-13, Dated: 11/07/2012.

Proposal for proposed Residential Cum Commercial Building No. 1 Wing-H Ground + 7 Floors " on above mentioned S. No. Plot.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present plot is vacant. This department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 1 Wing-H with the height of 24.00 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 1 wing -H in Sector-IIA, Phase-I.

Ground floor of proposed Building No. 1 wing -H is proposed to use for Commercial purpose, while all the upper Seven floors will have residential tenement.

A part terrace is provided on 1<sup>st</sup> floor.

The site is located on 30.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- Two staircases are provided for the proposed wing-H with the width of 1.20 meter & 1.50 meter each.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- Applicant shall be provide A separate duct for fire fighting.

### OBSERVATIONS OF LIFT (According to Plan)

- Two Lifts are provided for the proposed wing-H.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

*[Signature]*  
09-04-13



## **FIRE FIGHTING REQUIREMENTS :**

### **UNDERGROUND WATER STORAGE TANKS**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### **OVERHEAD TANK**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :-**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (**each wing**) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (**wing**) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **FIRE PUMP**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### **RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (**Including ground floor**)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only. 100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### **PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

### **GENERAL RECOMMENDATIONS**

#### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.





The Party has paid the minimum Capitation & Scrutiny fees of Rs. 2,00,000/- Vide Receipt No. 44697 Dated 18/02/2013 for the total gross built up area 1921.04 Sq. mtr. as certified by the Architect vide his letter No. ---- dated 18/03/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



A handwritten signature in blue ink, appearing to be "S. S. S.", written over the official title.

CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).





VVCMC / FIRE / 07 / 2013-14

DATE: 08/04/2013

To,  
The Deputy Director of Town Planning,  
Vasai Viarar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Building No. 3 Wing-D & E and Residential Cum Commercial Building No. 3 Wing-C" In Sector-IIA, Phase-I On land Bearing S. No. / H. No. 180, 181/2, 185/1 to 12, 186, 187B, 188/pt, 190, 191, 197, 192, 193, 194, 196, 199, 201, 202, 203, 204/3pt, 204/4, 205/1, 2, 3pt, 6, 7, 206/pt, 206/pt, 208/1, 2, 4 to 8, 209/pt, 211/1, 2, 3, 6, 7pt, 212/3, 213/1, 214/3, 215/pt, 215/pt, 216/1, 2, 4, 220/pt, 221/1, 2, 223/1, 2, 250/pt, 250/pt, 251/8, 254, 255/1 to 4, 257/1, 259/1, 260pt, 260pt, 261 & 263 at Village Nilemore Tal- Vasai, Dist-Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/3508/2012-13, Dated: 26/03/2013.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 23/03/2013.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 23/03/2013.  
4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-111/100/2012-13, Dated: 11/07/2012.  
5) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/VP-0111/325/2012-13, Dated: 30/11/2012.  
6) A letter received from M/s. Sanat Mehta & Associates, Dated: 06/04/2013.

Proposal for proposed Residential Building No. 3 Wing-E Ground + 7 Floors, Wing-D Stilt + 7 Floors and Residential Cum Commercial Building No. 3 Wing-C Part G + 7 Floors " on above mentioned S. No. Plot. The construction work of the proposed building No. 3 wing -C, D & E is completed up to Plinth level. Applicant had obtained C.C. & P.C.C. as per Ref No. 4 & 5 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present the construction work of the proposed building No. 8 wing-C is completed up to Plinth Level & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

**OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the Building No. 3 Wing-C, D & E with the height of 24.00 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 3 wing -C and Residential Building No. 3 Wing- D & E in Sector-IIA, Phase-I.

Ground floor of proposed Building No. 3 wing -C is proposed to use for Parking, Residential & Commercial purpose, while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building No. 3 wing -D is proposed to use for Parking purpose, while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building No. 3 wing -E is proposed to use for Residential purpose, while all the upper Seven floors will have residential tenement.

The site is located on 30.00 meter wide road.

**SUGGESTIONS:**

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

**OBSERVATIONS OF STAIRCASES (According to Plan)**

- Two staircases are provided for the each wing C, D & E with the width of 1.50 meter & Second with the width of 1.00 meter.
- A separate duct for fire fighting is not shown in the plan.

[Signature]  
05/04/13



**SUGGESTIONS FOR STAIRCASES**

- A separate duct for fire fighting should be provided.

**OBSERVATIONS OF LIFT (According to Plan)**

- Two Lifts are provided for the each proposed wing.

**SUGGESTIONS FOR LIFT**

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

**FIRE FIGHTING REQUIREMENTS :****UNDERGROUND WATER STORAGE TANKS (For wing C)**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

**OVERHEAD TANK (For Each Wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**DOWN COMER SYSTEM :- (For Each Wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**FIRE PUMP (For Wing C)**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

**RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**REFUGE AREA:-**

Refuge Area for the proposed Building Wing C, D & E is provided on 5<sup>th</sup> Floor. The refuge area of wing C & D are inter connected with each other.

**SUGGESTIONS FOR REFUGE AREA:**

- The Refuge Area shall be provided on the periphery of the floor or preferably on a cantilever projection and open to air at least on one side protected with suitable railings.
- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning "REFUGE AREA IN CASE OF EMERGENCY"
  - Adequate drinking water facility shall be provided in the refuge area.
  - Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor / passage etc. lighting shall be provided.
  - Toilet facility shall be provide in the Refuge Area.
  - The Layout of the Refuge Area shall not be change / modified at any time in future.



**PORTABLE FIRE EXTINGUISHER:- (For each Wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS (For each Wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation fees of **Rs. 4,40,000/-** Vide Receipt No. **86082** Dated **26/03/2013** for the total gross built up area **4552.40 Sq. mtr.** as certified by the Architect vide his letter No. ---- **dated 23/03/2013.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



A handwritten signature in blue ink, appearing to be "S. S. S.", written over the official stamp.

CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

सनात मेहता

VVCMC / FIRE / 08 / 2013-14

DATE: 08/04/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 4 Wing-A, B & C" In Sector-IIB, Phase-I On land Bearing S. No. / H. No. 180, 181/2, 185/1 to 12, 186, 187B, 188/pt, 190, 191, 197, 192, 193, 194, 196, 199, 201, 202, 203, 204/3pt, 204/4, 205/1, 2, 3pt, 6, 7, 206/pt, 206/pt, 208/1, 2, 4 to 8, 209/pt, 211/1, 2, 3, 6, 7pt, 212/3, 213/1, 214/3, 215/pt, 215/pt, 216/1, 2, 4, 220/pt, 221/1, 2, 223/1, 2, 250/pt, 250/pt, 251/8, 254, 255/1 to 4, 257/1, 259/1, 260pt, 260pt, 261 & 263 at Village Nilemore Tal- Vasai, Dist-Thane.

- Ref :-**
- 1) A Letter from Deputy Director Town Planning No. VVCM/NR/3503/2012-13, Dated: 26/03/2013.
  - 2) An application received from M/s. Sanat Mehta & Associates, Dated: 21/03/2013.
  - 3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 21/03/2013.
  - 4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-0257/293/2011-12, Dated: 29/03/2012.
  - 5) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/VP-0257/42/2012-13, Dated: 26/04/2012.
  - 6) A letter of M/s. Sanat Mehta & Associates, Dated: 16/03/2013.

Proposal for proposed Residential Cum Commercial Building No. 4 Wing-A, B & C Part G + 7 Floors" on above mentioned S. No. Plot. The construction work of the proposed building No. 4 wing -A, B & C is completed up to 4<sup>th</sup> Slab. Applicant had obtained C.C. & P.C.C. as per Ref No. 4 & 5 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present the construction work of the proposed building No. 8 wing-C is completed up to 4<sup>th</sup> Slab. & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 4 Wing-A, B & C with the height of 24.00 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 4 wing -A, B & C in Sector-IIB, Phase-I.

Ground floor of proposed Building No. 4 wing -A, B & C is proposed to use for Parking & Commercial purpose, First floor of wing-A is proposed to use for Residential & Commercial Purpose, First floor of wing-B & C are proposed to use for Residential purpose while all the upper Six floors of Wing A, B & C will have residential tenement.

A part terrace is provided on 1<sup>st</sup> floor of wing-B & C and on 2<sup>nd</sup> floor of wing-A

The site is located on 30.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for the each wing A, B & C with the width of 1.20 meter each.
- One staircase is provide for the commercial part of win-A up to first floor with the width of 1.50 meter.
- A separate duct for fire fighting is shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- Applicant shall be provide one more staircase for the commercial part of wing-A.

### OBSERVATIONS OF LIFT (According to Plan)

- Two Lifts are provided for the each proposed wing.

Sanat Mehta



**SUGGESTIONS FOR LIFT**

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

**FIRE FIGHTING REQUIREMENTS :****UNDERGROUND WATER STORAGE TANKS (For each wing)**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

**OVERHEAD TANK (For Each Wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**DOWN COMER SYSTEM :- (For Each Wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**FIRE PUMP (For Each Wing)**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

**RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**PORTABLE FIRE EXTINGUISHER:- (For each Wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS (For each Wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**GENERAL RECOMMENDATIONS****ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.



The Party has paid the minimum Capitation & Scrutiny fees of Rs. 2,42,000/- Vide Receipt No. 211736 Dated 16/03/2012, Rs. 1,17,000/- Vide Receipt No. 227165 Dated 23/04/2012 & Rs. 2,50,000/- Vide Receipt No. 211510 Dated 03/03/2012, for the total gross built up area 9709.76 Sq. mtr. as certified by the Architect vide his letter No. ---- dated 21/03/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



A handwritten signature in blue ink, appearing to be "S. S. S.", written over the typed name of the Chief Fire Officer.

CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

DATE: 09 / 04 / 2013

VVCMC / FIRE / 14 / 2013-14

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Building No. 1 Wing- A, B, C, D, & E" On land Bearing S. No. / H. No. 254/16 at Village Achole Tal- Vasai, Dist- Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/2209/2011-12, Dated: 02/02/2012.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 27/01/2012.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 27/10/2012.  
4) C.C. issued by VVCMC No. VVCMC/TP/CC/ VP-0184/1303, Dated: 15/10/2011.  
5) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/VP-0184/551/2011-12, Dated: 29/02/2012.  
6) A Letter of Payment of Capitation/Scrutiny fees received from M/s. Sanat Mehta & Associates, Dated: 27/01/2012.  
7) A Letter received from M/s. Sanat Mehta & Associates, Dated: 06/04/2013.

Proposal for proposed Residential Building No. 1 Wing- A, B, C, D, & E Part Gr. + 7 Floors " In on above mentioned S. No. Plot. Construction work of the above said building is completed upto six slab. Applicant had obtained C.C. & P.C.C. as per Ref No. 4 & 5 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the above said building is completed upto 6<sup>th</sup> slab & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 1 Wing- A, B, C, D, & E with the height of 23.40 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 1 wing - A, B, C, D, & E .

Ground floor of proposed Building No. 1 wing - A, B, C, D, & E is proposed to use for Residential & Parking purpose, while all the upper Seven floors will have residential tenement.

A Pocket Terrace is provided on 2<sup>nd</sup>, 4<sup>th</sup> & on 6<sup>th</sup> floor.

The site is Accessible from 9.00 meter & 12.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for each wing B, C, D & E with the width of 1.22 meter each.
- Two staircases are provided for each wing A with the width of 1.20 meter & 0.75 meter.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting shall be provided for each wing.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for the each proposed wing- A, B, C, D, & E.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

*[Signature]*  
9-4-13



## **FIRE FIGHTING REQUIREMENTS :**

### **OVERHEAD TANK (For each wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :- (For each wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### **PORTABLE FIRE EXTINGUISHER:- (For each wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS (For each wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

### **REFUGE AREA:-**

Refuge Area for the proposed Building Wing A, B, C, D & E is provided on 5<sup>th</sup> Floor. The refuge area of wing B & C and Wing D & E are inter connected with each other.

### **SUGGESTIONS FOR REFUGE AREA:**

The Refuge Area shall be provided on the periphery of the floor or preferably on a cantilever projection and open to air at least on one side protected with suitable railings.

- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint ment in "REFUGE AREA IN CASE OF EMERGENCY"
- Adequate drinking water facility shall be provided in the refuge area.
- Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor / passage etc. lighting shall be provided.
- Toilet facility shall be provide in the Refuge Area.
- The Layout of the Refuge Area shall not be change / modified at any time in future.

## **GENERAL RECOMMENDATIONS**

### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.





..3..

The Party has paid the minimum Capitation fees of Rs. 6,00,000/- (Rs. 1,20,000/- each wing) Vide Receipt No. 167876 Dated 02/02/2012 for the total gross built up area 10133.08 Sq. mtr. as certified by the Architect vide his letter No. ---- dated 27/01/2012.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



A handwritten signature in blue ink, likely of the Chief Fire Officer.

CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 26 / 2013-14

DATE: 16/04/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Commercial Building On land Bearing S. No. 45(P) H. No. 1, S. No. 81 H. No. 1 at Village Navaghar Tal- Vasai, Dist- Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/2917/2012-13, Dated: 28/01/2013.  
2) An application No. VP-4832/08 received from M/s. En Con Architect, Dated: 16/01/2013.  
3) Built Up Area Certificate No. VP-4832/07 received from M/s. En Con Architect, Dated: 16/01/2013.  
4) C.C. issued By VVCMC No. VVCMC/TP/CC/VP-4832/881/2012-13, Dated: 21/06/2012

Proposal for proposed **Commercial Building G + 3 Floors** " on above mentioned S. No. Plot. The pilling work is in process. Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present pilling work is in process & applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building with the height of 15.20 meters. The proposal is scrutinized for the above mentioned proposed Building.

Ground floor & all the upper Three floors are proposed to use for Commercial purpose.

The accessible from 40.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for the proposed building with the width of 3.30 meter.(Two Flights)
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.
- The width of the staircase shall not be less than 2.00 meter.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for the proposed building.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

### FIRE FIGHTING REQUIREMENTS :

#### UNDERGROUND WATER STORAGE TANKS (For wing A)

Water storage tank with 75,000 liter capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

16/4/2013



**OVERHEAD TANK**

Overhead tank of 10,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**WET RISER:**

Wet Riser of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided with a Double Hydrant outlet & Hose Reel on each Floor. In such a way as not to reduced the width of the staircase. Pressure reducing discs for orifices shall be provided at lower level. So as not to exceed on the pressure of 5.5 Kgs. / Sq. cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.

**FIRE PUMP AND JOCKEY PUMP**

1. Wet Riser System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. A Jockey Pump of required capacity shall also be provided.
3. Electric supply (Normal) to this Pump shall be independent circuit.

**RECOMMENDATIONS FOR DOWN COMER / WET RISER:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. **(Including ground floor)**
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1990) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only. 100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 15 HP (900 Lpm) with proper shelter with start-up switch on terrace 1 No.
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Wet riser.

**FIRE ALARM SYSTEM :-**

Commercial Part of the proposed building shall be provided with manual fire alarm system with main control panel at ground floor level and pill boxed and hooters at each at the upper floors levels. The layout of the fire alarm system shall be in accordance to the Indian Standards Specifications.

**AUTOMATIC DETECTION & ALARM SYSTEM: -**

Required on each floor. Automatic Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system.

**ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

**D. G. sets shall be provided for fire – pump, Fire lift, staircase and corridor lighting Circuits manual fire alarm system and jockey pump.**

**HOSE BOXES:-**

Near each external hydrant, hose boxes (Double Door) to be provided in the each buildings. Each box shall be equipped with 2 x 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall conform to latest IS: 636 and 903 respectively.



**GENERAL RECOMMENDATIONS**  
**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 80,000/-** Vide Receipt **No. 90478** Dated **15/04/2013** for the total gross built up area **561.62 Sq. mtr.** as per letter given by the party Dated: 16/01/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



  
**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 22 / 2013-14

DATE: 18 / 04 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 24 Wing-A & Residential Wing B & C" On Plot No. 1 to 4, 30, 31, 32, 35, 42, 54, 55, 58, 59, 60, 61, 70, 71, 73 to 78, 80 to 83, On land Bearing S. No. 7 to 11, 15 to 17, 19 to 25, H. No. Part, S. No. 4 H. No. 3, 4, S. No. 5 H. No. 1, 2, 5, S. No. 6 H. No. 1, S. No. 26 H. No. 2, 3, 4, S. No. 27 H. No. 1, 2, 3, S. No. 28, H. No. 1, 2, 3, S. No. 29 H. No. 1, 2, S. No. 30 H. No. 3, 5, S. No. 31 S. No. 33 H. No. 2, S. No. 14/1, 15/pt, 15/pt, 16, 17/pt, 18/pt at Village More Tal- Vasai, Dist- Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/3321/2012-13, Dated: 08/03/2013.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 02/03/2013.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 02/03/2013.  
4) A Letter of M/s. Sanat Mehta & Associates, Dated: 16/03/2013.  
5) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-273/0208/2012-13, Dated: 22/02/2013.  
6) Plinth Certificate No. VVCMC/TP/PCC/VP-273/022/2013-14, Dated: 17/04/2013.  
7) Application for Plinth given by M/s. Sanat Mehta & Associates, Dated: 12/03/2013.

Proposal for proposed Residential Cum Commercial Building No. 24 Wing-A Part Ground + 7 Floors and Residential Wing B & C Stilt + 7 Floors" on above mentioned S. No. Plot. Construction work of the above said buildings are completed up to 4<sup>th</sup> Slab. Applicant had obtained C.C. as per Ref No. 4. & PCC as per Ref. No. 6

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the above said buildings are completed up to 4<sup>th</sup> slab & applicant had obtained C.C. & PCC too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 24 Wing-A, B & C with the height of 23.90 meters. The proposal is scrutinized for the proposed Building No. 24 wing - A, B & C.

Ground floor of proposed Building No. 24 wing -A is proposed to use for Commercial & Parking purpose while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building No. 24 wing -B & C is proposed to use for Parking purpose while all the upper Seven floors will have residential tenement

The site is located on 20.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for each wing.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided for each wing.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for the each proposed wing A, B & C.



## SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

## FIRE FIGHTING REQUIREMENTS :

### UNDERGROUND WATER STORAGE TANKS (For Wing-A)

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### OVERHEAD TANK (For Each Wing)

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### DOWN COMER SYSTEM :- (For Wing-A)

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### FIRE PUMP (For Wing-A)

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### RECOMMENDATIONS FOR DOWN COMER SYSTEM:-

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### PORTABLE FIRE EXTINGUISHER:- (For each Wing)

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### EXTERNAL / YARD HYDRANTS (For each Wing)

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

## GENERAL RECOMMENDATIONS

### ACCESS

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.



This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny Fees of **Rs. 4,40,000/- (Wing A- Rs. 2,00,000/-, Wing B- Rs. 1,20,000/- & Wing-C Rs. 1,20,000/-)** Vide Receipt **No. 90627 Dated 05/04/2013** for the total gross built up area **6894.01 Sq. mtr.** (3 wings) as certified by the Architect vide his letter No. ---- **dated 02/03/2013.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



  
CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).







FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 23 / 2013-14

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.

DATE: 18/04/2013



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Building No. 1 Wing-E, F & G(part) and Residential Cum Commercial Building No. 1 Wing-C(Part) & D" In Sector-IV, Phase-II On land Bearing S. No. / H. No. 180, 181/2, 185/1 to 12, 186, 187B, 188/pt, 190, 191, 197, 192, 193, 194, 196, 199, 201, 202 203, 204/3pt, 204/4, 205/1, 2, 3pt, 6, 7, 206/pt, 206/pt, 208/1, 2, 4 to 8, 209/pt, 211/1, 2, 3, 6, 7pt, 212/3, 213/1, 214/3, 215/pt, 215/pt, 216/1, 2, 4, 220/pt, 221/1, 2, 223/1, 2, 250/pt, 250/pt, 251/8, 254, 255/1 to 4, 257/1, 259/1, 260pt, 260pt, 261 & 263 at Village Nilemore Tal- Vasai, Dist-Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/1814/2012-13, Dated: 17/10/2012.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 08/10/2012.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 03/10/2012.  
4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-011/029, Dated: 05/05/2012.  
5) C.C. issued by VVCMC No. VVCMC/TP/CC/VP-0111/305/2012-13, Dated: 05/05/2012.  
6) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/VP-0111/139/2012-13, Dated: 28/06/2012.

Proposal for proposed Residential Building No. 1 Wing-D, E & F(part) and Residential Cum Commercial Building No. 1 Wing-C(part) & D Part G + 7 Floors " on above mentioned S. No. Plot. The construction work of the proposed building No. 1 wing -C(part), D, E, F & G(part) is completed up to Plinth level. Applicant had obtained C.C. & P.C.C. as per Ref No. 5 & 6 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present the construction work of the proposed building No. 1 wing-C(part), D, E, F 7 G(part) is completed up to Plinth Level & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

**OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the Building No. 1 Wing-C(Part), D, E, F & G with the height of 24.00 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 1 wing -C(part) & D and Residential Building No. 1 Wing- D, E, F & G(part) in Sector-IV Phase-II.

Ground floor of proposed Building No. 1 wing -C(part) & D is proposed to use for Parking & Commercial purpose, while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building No. 1 wing -D, E, F & G(part) is proposed to use for Parking & Residential purpose, while all the upper Seven floors will have residential tenement.

A Pocket Terrace is provided on 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> & 7<sup>th</sup> floor.

The site is located on 12.00 meter wide road & 4.50 meter wide path way.

**SUGGESTIONS:**

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.
- Applicant shall be provide 6.00 meter wide Road instead of 4.50 meter wide Path Way.

**SERVATIONS OF STAIRCASES (According to Plan)**

- One staircase is provided for the each wing C to F, with the width of 1.20 meter each.
- A separate duct for fire fighting is not shown in the plan.



## SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.

## OBSERVATIONS OF LIFT (According to Plan)

- Two Lifts are provided for the each proposed wing-D, E, F & G.
- One Lift is provided for proposed wing-C.

## SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

## FIRE FIGHTING REQUIREMENTS :

### UNDERGROUND WATER STORAGE TANKS (For wing C & D)

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### OVERHEAD TANK (For Each Wing)

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### DOWN COMER SYSTEM :- (For Each Wing)

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### FIRE PUMP (For Wing C & D)

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### RECOMMENDATIONS FOR DOWN COMER SYSTEM:-

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & p whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1 of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolat ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pi 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground/ 1 Set in Riser on ground floor.

### REFUGE AREA:-

Refuge Area for the proposed Building Wing C, D, E & F is provided on 5<sup>th</sup> Floor. The refuge area of & D and wing E & F are inter connected with each other.

### SUGGESTIONS FOR REFUGE AREA:

The Refuge Area shall be provided on the periphery of the floor or preferably on a cantilever projection open to air at least on one side protected with suitable railings.

- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint m "REFUGE AREA IN CASE OF EMERGENCY"
- Adequate drinking water facility shall be provided in the refuge area.
- Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor /-pa lighting shall be provided.
- Toilet facility shall be provide in the Refuge Area.
- The Layout of the Refuge Area shall not be change / modified at any time in future.



**PORTABLE FIRE EXTINGUISHERS.** ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS (For each Wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 7,60,000/-** Vide Receipt No. 90488 Dated 15/04/2013 for the total gross built up area **7680.62 Sq. mtr.** (5 Wings) as certified by the Architect vide his letter No. ---- dated 03/10/2012.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



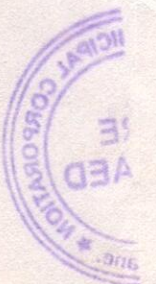
**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).











# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

chirag

VVCMC / FIRE / 28 / 2013-14

DATE: 18/04/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 1 Wing-B & C and Residential Wing-A On land Bearing S. No. 140 H. No. 2 at Village Achole Tal- Vasai, Dist- Thane.**

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/60/2013-14, Dated: 06/04/2013.  
2) An application received from M/s. Shantee Developers, Dated: 30/03/2013.  
3) Built Up Area Certificate received from M/s. Shree Consultants Architects, Dated: 09/04/2013.  
4) Revised C.C. issued By VVCMC No. VVCMC/TP/RDP/VP-0326/0156/2012-13, Dated: 18/12/2012

Proposal for proposed **Residential Cum Commercial Building No. 1 Wing-B & C Basement + Part Stilt + 7 Floors & Residential Wing-A Stilt + 7 Floors** on above mentioned S. No. Plot. Construction work of the building is completed up to 4<sup>th</sup> slab, Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the building is completed up to 4<sup>th</sup> slab & applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building with the height of 23.80 meters. The proposal is scrutinized for the proposed Building No. 1 Wing-A, B & C.

Ground floor of Wing B & C is proposed to use for Commercial & Parking purpose while all the upper Seven floors will have residential tenements.

Ground floor of Wing A is proposed to use for Parking purpose while all the upper Seven floors will have residential tenements.

The located on 20.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for the residential part of each wing.
- One staircase is provided for the Basement of wing-B & C.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for the each wing.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

### OBSERVATIONS OF BASEMENT & RAMP : (According to Plan)

- Use of Basement of wing-B & C is not shown in the plan.



**SUGGESTIONS FOR BASEMENTS & RAMP : -****BASEMENT:-**

**Sprinkler system** :- Required in Basement. Separate Pumping arrangement should be provided for the Basement. Guidelines are given in IS 15105 Design and installation of Fixed Automatic sprinkler fire Extinguishing system.

- Applicant shall provide Ring Hydrants on the each Level Basement
- Basement shall be separately ventilated.
- Alternatively a system of air inlet shall be Provided at Basement Floor Level & Smoke outlet at Basement ceiling Level.
- De-watering Pump shall be Provide for the Basement.
- The Staircase of Basement shall be terminate end on the ground floor.

**FIRE FIGHTING REQUIREMENTS :****UNDERGROUND WATER STORAGE TANKS (For wing B & C)**

Water storage tank with 30,000 liter capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

**OVERHEAD TANK**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**DOWN COMER SYSTEM :-**

Down Comer System of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided for each building (**each wing**) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (**wing**) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**FIRE PUMP**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. A separate sprinkler pump of required capacity shall be provided.
3. Electric supply (Normal) to this Pump shall be independent circuit.

**RECOMMENDATIONS FOR DOWN COMER:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (**Including ground floor**)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Wet riser.

**ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.



**HOSE BOXES:-**

Near each external hydrant, hose boxes to be provided in the each buildings. Each box shall be equipped with 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall confirm to latest IS: 636 and 903 respectively.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 5,20,000/-** Vide Receipt **No. 90477** Dated **15/04/2013** for the total gross built up area **4898.57 Sq. mtr.** as per letter given by the party Dated: 09/04/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you.



  
CHIEF FIRE OFFICER

VASAI VIRAR CITY MUNICIPAL CORPORATION.

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

ching

VVCMC / FIRE / 29 / 2013-14

DATE: 18 / 04 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 1 Wing-A, and Residential Wing B & C On land Bearing S.No. 238 at Village Nilemore Tal- Vasai, Dist- Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/38/2013-14, Dated: 05/04/2013.  
2) An application received from M/s. Ajay Wade & Associates, Dated: 18/04/2013.  
3) Built Up Area Certificate received from M/s. Ajay Wade & Associates, Dated: 18/04/2013.  
4) C.C. issued By VVCMC No. VVCMC/TP/CC/VP-0056/691/2011-12, Dated: 22/07/2011.  
5) A letter received from M/s. Ajay Wade & Associates, Dated: 28/03/2013.

Proposal for proposed **Residential Cum Commercial Building No. 1 Wing-A and Residential Wing-B & C Ground + 7 Floors** on above mentioned S. No. Plot. Construction work of the building No. 1 Wing-B & C is completed up to plinth level, Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the building No. 1 Wing-B & C is completed up to Plinth level & the plot of wing-A is vacant, applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 1 Wing-A, B & C with the height of 23.60 meters. The proposal is scrutinized for the proposed Building No. 1 Wing-A, B & C.

Ground floor of Wing-B & C is proposed to use for Residential purpose while all the upper Seven floors will have residential tenements.

Ground floor of Wing-A is proposed to use for Residential & Commercial purpose while all the upper Seven floors will have residential tenements.

The located on 12.00 meter & 6.00 meter vide roads.

### SUGGESSIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- Two staircase are provided for each wing. One staircase with the width of 1.50 meter & Second with 1.00 meter.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.

### OBSERVATIONS OF LIFT (According to Plan)

- Two Lifts are provided for each wing.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing siepe in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.



## **FIRE FIGHTING REQUIREMENTS :**

### **UNDERGROUND WATER STORAGE TANKS (For wing A)**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### **OVERHEAD TANK (for each Wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :- (for each Wing)**

Down Comer System of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **FIRE PUMP**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### **RECOMMENDATIONS FOR DOWN COMER:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### **PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Wet riser.

### **ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

### **HOSE BOXES:-**

Near each external hydrant, hose boxes to be provided in the each buildings. Each box shall be equipped with 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall confirm to latest IS: 636 and 903 respectively.



## GENERAL RECOMMENDATIONS

### ACCESS

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of Rs. 1,20,000/- Vide Receipt No. 90459, Rs. 1,20,000/- Vide Receipt No. 90458 & Rs. 2,00,000/- Vide Receipt No. 90461 Dated 12/04/2013, for the total gross built up area 7175.00 Sq. mtr. as per letter given by the party Dated: 18/04/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



A handwritten signature in blue ink, appearing to be "S. S. S.", written over the official stamp.

**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).**



# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

chiray



DATE: 29/04/2013

VVCMC / FIRE / 33 / 2013-14

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.

**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Building No. 2 Wing A, B, C & D and Residential Cum Commercial Building No. 1 Wing A & B" On land Bearing S. No. 99 H. No. 3 at Village Chandrapada Tal- Vasai, Dist-Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/59/2013-14, Dated: 06/04/2013.  
2) An application received from M/s. A. M. Faroz & Associates, Dated: 30/03/2013.

3) Built Up Area Certificate received from M/s. A. M. Faroz & Associates, Dated: 30/03/2013.

Proposal for proposed Residential Building No. 2 Wing A & B Stilt + 7 Floors D3, Wing C & D Ground + 7 Floors and Residential Cum Commercial Building No. 1 Wing A & B Part Stilt + 7 Floors" on above mentioned S. No. Plot.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present plot is vacant. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 1 Wing A & B & Building No. 2 Wing A, B, C & D with the height of 23.75 meters. The proposal is scrutinized for the proposed Building No. 1 wing-A & B and Building No. 2 Wing A to D.

Ground floor of proposed Building No. 1 Wing A & B is proposed to use for Parking & Commercial purpose, while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building No. 2 Wing A & B is proposed to use for Parking purpose, while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building No. 2 Wing C & D is proposed to use for Residential purpose, while all the upper Seven floors will have residential tenement.

The site is located on 20.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for the each wing with the width of 1.20 meter. Staircases of Building No. 1 Wing A & B, Building No. 2 wing A& B and Building No. 2 Wing C & D are inter connected with each other.
- A separate duct for fire fighting is shown in the plan.

### OBSERVATIONS OF LIFT (According to Plan)

- Two Lifts are provided for the each proposed Building No. 1 Wing A & B and Building No. 2 Wing A & B.
- One Lift is provided for each proposed building No. 2 Wing C & D.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

### FIRE FIGHTING REQUIREMENTS :

#### OVERHEAD TANK (For Each Wing)

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.



### **DOWN COMER SYSTEM :- (For Each Wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **FIRE PUMP (For Building No. 1 Wing- A & B)**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### **RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### **REFUGE AREA:-**

Refuge Area for the proposed Building No. 2 wing C & D is provided on 5<sup>th</sup> Floor.

### **SUGGESTIONS FOR REFUGE AREA:**

- The Refuge Area shall be provided on the periphery of the floor or preferably on a cantilever projection and open to air at least on one side protected with suitable railings.
- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning "REFUGE AREA IN CASE OF EMERGENCY"
  - Adequate drinking water facility shall be provided in the refuge area.
  - Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor / passage etc. lighting shall be provided.
  - Toilet facility shall be provide in the Refuge Area.
  - The Layout of the Refuge Area shall not be change / modified at any time in future.

### **PORTABLE FIRE EXTINGUISHER:- (For each Wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS (For each Wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

### **GENERAL RECOMMENDATIONS**

#### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.



The Party has paid the minimum Capitation fees of Rs. 8,00,000/- Vide Receipt No. 90690  
Dated 06/04/2013 as certified by the Architect vide his letter No. ---- dated / / .

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



  
CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

DATE: 29/04/2013

VVCMC / FIRE / 38 / 2013-14



To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist. Thane.

Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention requirement for the proposed "Residential Cum Commercial Building Type-ZB (1 wing Residential & 1 wing Residential Cum Commercial) located on plot Bearing S. No. 59(29)/1/3, S. No. 61(15)/1 at Village Achole Tal- Vasai, Dist -Thane.

Ref :- 1) A Letter from Deputy Director Town Planning No. VVCM/NR/121/2013-14,

Dated: 15/04/2013.

2) An application received from M/s. Shah Gattani Consultants, Dated: 15/04/2013.

3) Built up area certificate of M/s. Shah Gattani Consultants dated 15/04/2013.

4) A letter received from M/s. Shah Gattani Consultants, dated 22/04/2013.

5) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/ZCC-20/E/VP-0743/0109/2011-12

Dated : 15/10/2011.

Proposal for proposed of "Residential Cum Commercial Building Type-ZB (1 Wing) & Residential Building Type-ZB (1 wing) Part Stilt + 7 Floors" on above mentioned S. No. Plot. The construction work of the above mentioned building is completed up to Terrace Slab. Applicant had obtained C.C. as per Ref. No.5.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present construction work of the above mentioned building is completed up to Terrace Slab & applicant had obtained C.C. too (Ref. No. 5), while taking in to consideration of these facts this department is issuing the Provisional N. O. C. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a Final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Residential Cum Commercial Building Type-ZB (2 Wings) with the height of 24.00 meters. The proposal is scrutinized for the proposed Building Type-ZB Ground floor of Proposed Building's one wing is proposed to use for Commercial, Parking & Residential purpose while all the upper Seven floors will have Residential tenements.

Ground floor of Proposed Building's one wing is proposed to use for Parking & Residential purpose while all the upper Seven floors will have Residential tenements.

The site is located on 12.00 meter wide road

### SECTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for each wing.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR INTERNAL STAIRCASES : (FOR EACH WING)

- Applicant shall be provided a separate duct for each wing.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for each wing.

### SUGGESTIONS FOR LIFT: (FOR EACH WING)

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

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## FIRE FIGHTING REQUIREMENTS:

### OVERHEAD TANK : (For Each Wing)

- Overhead tank of 25,000 liters capacity shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.
- The fire tank shall be provide with the partition wall between domestic & fire tank.

### UNDERGROUND WATER STORAGE TANKS

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway. The fire tank shall be provide with the partition wall between domestic & fire tank.

### DOWN CORNER SYSTEM :-

Down Corner System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Corner System.

### FIRE PUMP :

1. Down Corner System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### PORTABLE FIRE EXTINGUISHER:- (For Each Wing)

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Each Lift machine rooms, each Electrical meter room, at each Pump Room & at other required Places.

### EXTERNAL / YARD HYDRANTS:-

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Corner.

### RECOMMENDATIONS FOR DOWN CORNER:-

- ❖ GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
- ❖ Fire hydrant valve ( Double Outlet) IS- 5290 marked, with complete accessories on each floor. (Including Ground Floor)
- ❖ Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- ❖ GM air release valve of 25 mm dia. 1 No.
- ❖ Sluice Valve /Butterfly valve, Sir/ Adaco make only. 100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- ❖ Reflex valve as per IS 5312 80 mm dia.
- ❖ MS hose box ( Double Door) of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protected from percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ❖ ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start up switch on terrace 1 No. (for each wing)
- ❖ Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 set in each Riser.

### HOSE BOXES:- (For Each Wing)

Near each External hydrant, hose boxes to be provided in the each Wing. Each box shall be equipped with 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall confirm to latest IS: 636 and 903 respectively.

## GENERAL RECOMMENDATIONS

### ACCESS

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 4.50 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued. Please note that this N.O.C.(Provisional) is not Development Permission (C.C.) for commencement of work of building. In Future, If Applicant wants to extend the above Mentioned Building's Height, He shall be provide the Opens Spaces around the Building as per National Building Code.



The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the capitulation fees & Scrutiny fees of Rs. 3,20,000/- vide receipt No. 90802 Dated 16/04/2013 for the gross built up area 3247.64 Sq. mtr. (2 wings), as certified by the Architect vide his letter No. ---- dated 15/04/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitulation fees if required.

Town planning department shall be requested to obtain a revise Provisional N. O. C. if the applicant submit the proposal to extend the height of the building.



CHIEF FIRE OFFICER

*[Signature]*

VASAI VIRAR CITY MUNICIPAL CORPORATION, DIST. THANE

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra only. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).









Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present pilling work is in process of Building Type-RSA1- 7 & 8 and Building Type RSA2-9 & Plinth work is completed of Building Type GF & applicant had obtained C.C too (Ref. No. 3 & 4), while taking in to consideration of these facts this department is issuing the Provisional N. O. C. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

**OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the Residential Building Type-RSA1-7 & 8 and Building Type RSA2- 9 with the height of 24.00 meter and Building Type GF with the height of 12.10 meter. The proposal is scrutinized for the proposed Building Type-RSA1-7 & 8 and Building Type RSA2- 9 & Building Type GF.

Ground floor of Proposed Building Type-RSA1-7 & 8 and Building Type RSA2- 9 is proposed to use for Parking & Residential purpose while all the upper Seven floors will have Residential tenements.

Ground floor & upper Two floors of Proposed Building Type GF is proposed to use for Commercial purpose.

The site is located on 12.00 meter & 20.00 meter vide road

**SECESSIONS:**

- **Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.**
- **Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.**
- **High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.**
- **All the open spaces and internal roads shall be paved with concrete.**

**OBSERVATIONS OF STAIRCASES (According to Plan)**

- One staircase is provided for each wing with the width of 1.50 mrter.
- Three staircase are provided for the commercial building with the width of 1.50 meter each.
- A separate duct for fire fighting is not shown in the plan.

**SUGGESTIONS FOR INTERNAL STAIRCASES : (FOR EACH WING)**

- **Applicant shall be provided a separate duct for each wing.**
- **The width of the commercial staircase shall not be less than 1.50 meter.**

**OBSERVATIONS OF LIFT (According to Plan)**

- One Lift is provided for each wing of Residential Building.
- Two Lifts are provided for the Commercial Building.

**SUGGESTIONS FOR LIFT: (FOR EACH WING)**

- **Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.**

**FIRE FIGHTING REQUIREMENTS:**

**OVERHEAD TANK : (For Each Wing)**

- Overhead tank of 25,000 liters capacity shall be provided at the terrace level with suitable capacity for booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.
- **The fire tank shall be provide with the partition wall between domestic & fire tank.**

**UNDERGROUND WATER STORAGE TANKS( For Commercial Building)**

Water storage tank with 50,000 liter capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway. **The fire tank shall be provide with the partition wall between domestic & fire tank.**

**DOWN COMER SYSTEM :- (For each residential wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**WET RISER : (FOR Each Wing)**

Wet Riser of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided with a Double Hydrant outlet & Hose Reel on each Floor. So as not to exceed on the pressure of 5.5 Kgs. / Sq. cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.



### **FIRE PUMP AND JOCKEY PUMP : (For Commercial Building)**

1. Wet Riser shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters/min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. A Jockey Pump of required capacity shall also be provided.
3. Electric supply (Normal) to this Pump shall be independent circuit.

### **PORTABLE FIRE EXTINGUISHER:- (For Each Wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Each Lift machine rooms, each Electrical meter room, at each Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

### **RECOMMENDATIONS FOR DOWN COMER/WET RISER :**

- ❖ GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- ❖ Fire hydrant valve ( Double Outlet) IS- 5290 marked, with complete accessories on each floor. **(Including Ground Floor)**
- ❖ Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- ❖ GM air release valve of 25 mm dia. 1 No.
- ❖ Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- ❖ Reflex valve as per IS 5312 80 mm dia.
- ❖ MS hose box ( Double Door) of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ❖ ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No. (for each Residential wing)
- ❖ ISI marked monoblock booster pump (Kirloskar / Crompton) 15 HP (900 Lpm) with proper shelter with start-up switch on terrace 1 No. (for Commercial wing)
- ❖ Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 set in each Riser.

### **HOSE BOXES:-**

Near each External hydrant, hose boxes to be provided in the each Wing. Each box shall be equipped with 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall confirm to latest IS: 636 and 903 respectively.

### **FIRE ALARM SYSTEM :-**

Proposed building shall be provided with manual fire alarm system with main control panel at ground floor level and pill boxed and hooters at each at the upper floors levels. The layout of the fire alarm system shall be in accordance to the Indian Standards Specifications.

### **AUTOMATIC DETECTION & ALARM SYSTEM: -**

Required in basement & on each floor. Automatic Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system.

### **ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

**D. G. sets shall be provided for fire – pump, Fire lift, staircase and corridor lighting Circuits manual fire alarm system and jockey pump. (For Commercial Building Type-GF)**

### **GENERAL RECOMMENDATIONS**

#### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 4.50 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued. Please note that this N.O.C.(Provisional) is not Development Permission (C.C.) for commencement of work of building. In Future, If Applicant wants to extend the above Mentioned Building's Height, He shall be provide the Opens Spaces around the Building as per National Building Code.




The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the capitation fees fees of Rs. 1,20,000/- vide receipt No. 44628, Rs. 1,20,000/- vide receipt No. 44629 Dated 08/02/2013, Rs. 1,20,000/- vide receipt No. 76171 Dated 14/03/2013 & capitation & scrutiny fees of Rs. 80,000/- vide receipt No. 90884 Dated 22/04/2013 & Rs. 2,20,000/- vide receipt No. 104808 Dated 23/04/2013, for the gross built up area 7019.05 Sq. mtr.(3 Residential wings) & 1794.33 Sq. Mtr. (Commercial Building), as certified by the Architect vide his letter No. ---- dated 15/04/2013 & 09/04/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Town planning department shall be requested to obtain a revise Provisional N. O. C. if the applicant submit the proposal to extend the height of the building



  
CHIEF FIRE OFFICER

VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH ~~PLAN~~ SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra only. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 66 / 2013-14

DATE: 09 / 05 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist. Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 7 Wing-A & B" In Sector-III, Phase-I On land Bearing S. No. / H. No. 180, 181/2, 185/1 to 12, 186, 187B, 188/pt, 190, 191, 197, 192, 193, 194, 196, 199, 201, 202, 203, 204/3pt, 204/4, 205/1, 2, 3pt, 6, 7, 206/pt, 206/pt, 208/1, 2, 4 to 8, 209/pt, 211/1, 2, 3, 6, 7pt, 212/3, 213/1, 214/3, 215/pt, 215/pt, 216/1, 2, 4, 220/pt, 221/1, 2, 223/1, 2, 250/pt, 250/pt, 251/8, 254, 255/1 to 4, 257/1, 259/1, 260pt, 260pt, 261 & 263 at Village Nilemore Tal- Vasai, Dist-Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/117/2013-14, Dated: 15/04/2013.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 10/04/2013.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 10/04/2013.  
4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-0022/287/2011-12, Dated: 22/03/2012.  
5) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-111/100/2012-13, Dated: 11/07/2012.  
6) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/VP-0111/270/2012-13, Dated: 19/09/2012.

Proposal for proposed **Residential Cum Commercial Building No. 7 Wing-A & B Part G + 7 Floors** " on above mentioned S. No. Plot. The construction work of the proposed building No. 4 wing -A, B & C is completed up to Plinth level. Applicant had obtained C.C. & P.C.C. as per Ref No. 5 & 6 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present the construction work of the proposed building No. 8 wing-C is completed up to Plinth Level & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 7 Wing-A & B with the height of 23.90 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 7 wing -A & B in Sector-III phase-I.

Ground floor of proposed Building No. 7 wing -A & B is proposed to use for Parking & Commercial purpose, while all the upper Seven floors will have residential tenement.

The site is located on 6.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for the each wing A & B with the width of 1.50 meter each. Both the staircase are inter connected with each other through passage on every floor.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for the each proposed wing.



### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

### FIRE FIGHTING REQUIREMENTS :

#### UNDERGROUND WATER STORAGE TANKS (For wing A & B)

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

#### OVERHEAD TANK (For Each Wing)

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

#### DOWN COMER SYSTEM :- (For Each Wing)

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### FIRE PUMP

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### RECOMMENDATIONS FOR DOWN COMER SYSTEM:-

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### PORTABLE FIRE EXTINGUISHER:- (For each Wing)

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### EXTERNAL / YARD HYDRANTS (For each Wing)

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

### GENERAL RECOMMENDATIONS

#### ACCESS

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.



..3..

The Party has paid the minimum Capitation & Scrutiny fees of Rs. 46,084/- Vide Receipt No. 151297 Dated 31/10/2011, Rs. 13,916/- Vide Receipt No. 151379 Dated 08/11/2011, Rs. 43,000/- Vide Receipt No. 255216 & Rs. 2,97,000/- Vide Receipt No. 255215 Dated 26/07/2012 for the total gross built up area 2241.81 Sq. mtr.(wing-A) 2406.31 Sq. mtr.(wing-B) as certified by the Architect vide his letter No. ---- dated 10/04/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you

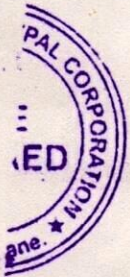


A handwritten signature in blue ink, likely belonging to the Chief Fire Officer.

CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 78 / 2013-14

DATE: 14 / 05 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist. Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Educational School Building" On land Bearing S. No. 423 H. No. A-4, S. No. 316 B at Village Bolinj Tal- Vasai, Dist- Thane.**

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/107/2013-14, Dated: 15/04/2013.  
2) An application received from M/s. Magnates Enterprises, Dated: 11/04/2013.  
3) Revised C.C. issued By VVCMC No. VVCMC/TP/RDP/VP-0489/0201/2012-13, Dated: 22/02/2013.  
4) Revised C.C. issued By VVCMC No. VVCMC/TP/RDP/VP-0489/207, Dated: 30/01/2012.  
5) Provisional N.O.C. issued By VVCMC No. VVCMC/FIRE/94/2011-12, Dated: 20/08/2011.

Proposal for proposed **Educational School Building Stilt + 7 Floors** " on above mentioned S. No. Plot. The pilling work is in process. Applicant had obtained C.C. for Building No. 12, 12A & 9 up to 7<sup>th</sup> floors & for Educational Building up to 4<sup>th</sup> floor as per Ref No. 4 & 5. Applicant had obtained provisional N.O.C. for Bldg. No. 9 up to 7<sup>th</sup> floor as per Ref. No. 6. **This department is issuing the provisional N.O.C. up to 30.00 meter height only for the educational Building.**

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. Applicant had obtained C.C. while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### **OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the Educational Building with the height of 33.15 meter. The proposal is scrutinized for the above mentioned proposed Educational Building.

Ground floor of School Building is having Stilt while all the upper Eight floors proposed to use for Educational Purpose.

The site is accessible from 20.00 meter wide road.

### **SUGGESTIONS:**

- **Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.**
- **Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.**
- **High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.**
- **All the open spaces and internal roads shall be paved with concrete.**

### **OBSERVATIONS OF STAIRCASES (According to Plan)**

- Two staircase are provided for the proposed Educational building with the width of 2.00 meter.
- A separate duct for fire fighting is not shown in the plan.

### **SUGGESTIONS FOR STAIRCASES**

- **A separate duct for fire fighting should be provided.**
- **Applicant shall be provide Access to each staircase shall be through smoke check door on every floor. (Excluding Educational Building)**

### **OBSERVATIONS OF LIFT (According to Plan)**

- Two lifts are provide for each wing

### **SUGGESTIONS FOR LIFT**

- **Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.**



## **FIRE FIGHTING REQUIREMENTS :**

### **UNDERGROUND WATER STORAGE TANKS (For Each Wing)**

Water storage tank with 75,000 liter capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### **OVERHEAD TANK (For Each Wing)**

Overhead tank of 10,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **WET RISER:(For each wing)**

Wet Riser of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided with a Double Hydrant outlet & Hose Reel on each Floor. In such a way as not to reduced the width of the staircase. Pressure reducing discs for orifices shall be provided at lower level. So as not to exceed on the pressure of 5.5 Kgs. / Sq. cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.

### **FIRE PUMP AND JOCKEY PUMP**

1. Wet Riser System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. A Jockey Pump of required capacity shall also be provided.
3. Electric supply (Normal) to this Pump shall be independent circuit.

### **PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Wet riser.

### **FIRE ALARM SYSTEM :-**

Commercial Part of the proposed building shall be provided with manual fire alarm system with main control panel at ground floor level and pill boxed and hooters at each at the upper floors levels. The layout of the fire alarm system shall be in accordance to the Indian Standards Specifications.

### **RECOMMENDATIONS FOR DOWN COMER / WET RISER:-**

- GI-C-Class pipe ( Zenith / Jindai / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. **(Including ground floor)**
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 15 HP (900 Lpm) with proper shelter with start-up switch on terrace 1 No.
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### **AUTOMATIC DETECTION & ALARM SYSTEM:-**

Required on each floor. Automatic Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system.

### **ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

**D. G. sets shall be provided for fire – pump, Fire lift, staircase and corridor lighting Circuits manual fire alarm system and jockey pump.**



**HOSE BOXES:-**

Near each external hydrant, hose boxes (Double Door) to be provided in the each buildings. Each box shall be equipped with 2 x 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall conform to latest IS: 636 and 903 respectively.

**FIRST AID FIRE FIGHTING :- (For School Building)**

First Aid Fire Fighting Equipments shall be provided in all floor, lift room and shall be distributed all over the building as per latest IS 2190.

**P.A. SYSTEM:- (For School Building)**

The centralized P.A System shall be provided in the building to all parts of the Occupied area of the building so that incase of any emergency the announcements are received in all corners with sufficient audibility.

**MEANS OF ESCAPE :- (For School Building)**

- All exits shall be free from obstructions.
- No living space store or other fire risk shall open directly in to the staircases.
- No Electrical shafts /A.C. ducts or gas pipe etc. shall pass through the staircases.
- No combustible materials shall be used for decoration/wall paneling in the staircase.

**OBSERVATION OF CLASS ROOMS**

- One Exit is shown for each Classroom.

**SUGGESTIONS FOR CLASSROOMS**

- Two exists shall be required for each class room if the sitting capacity is more than 45 students in each class room.

**GENERAL RECOMMENDATIONS****ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the capitation & scrutiny fees of Rs. 5,00,000/- Vide Receipt No. 105205 Dated 14/05/2013 for the total gross built up area 2957.50 Sq. mtr. as per letter given by the party Dated: 11/04/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



**CHIEF FIRE OFFICER**

**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 84 / 2013-14

DATE: 15 / 05 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist. Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Building Type SR5" (Wing-A, B, C, D & E) On land Bearing S. No. 1, 2, 3, 4 at Village Achole, & S.No 101, 103, 104, 106, 107 at village Manikpur, & S.No 254, H. No 3, 6, 7/1, 7/2, 13, 14, 15 & 16 at village Achole & S.No 128, H.No 6, S.No 106, H.No 8, S.No 110, H.No 8/1 at village Gokhiware, Tal- Vasai, Dist- Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/386/2013-14, Dated: 08/05/2013.  
2) An application received from M/s. Shah Gattani Consultant, Dated: 07/05/2013.  
3) Built Up Area Certificate received from M/s. Shah Gattani Consultant, Dated: 07/05/2013.  
4) C.C. issued By VVCMC No. VVCMC/TP/RDP/VP-0743/0206/2012-13, Dated: 22/02/2013.

Proposal for proposed "Residential Building Type SR5" (Wing-A, B, C, D & E) , Ground+ stilt part + 7 Floors" on above mentioned S. No. Plot. Construction work of the building Type SR5 (Wing-A, B, C, D & E) is completed up to plinth level, Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the building Type SR5 (Wing-A, B) is completed up to Plinth level & the plot of wing-C, D & E is in Progress, applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the building Type SR5 (Wing-A, B, C, D & E) with the height of 23.80 meters. The proposal is scrutinized for the proposed Building Type SR5 (Wing-A, B, C, D & E)

Ground floor of Type SR5 (Wing-A, B, C, D & E) is proposed to use for Residential purpose & Parking Purpose while all the upper Seven floors will have residential tenements.

The located on 20.00 Wide roads.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- Single staircase are provided for each wing with the width of 1.20 meter.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lifts are provided for each wing.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

Received  
@ 15/05/2013



## **FIRE FIGHTING REQUIREMENTS :**

### **OVERHEAD TANK (for each Wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :- (for each Wing)**

Down Comer System of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **RECOMMENDATIONS FOR DOWN COMER:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. **(Including ground floor)**
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.



### **PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Wet riser.

### **ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

### **HOSE BOXES:-**

Near each external hydrant, hose boxes to be provided in the each buildings. Each box shall be equipped with 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall confirm to latest IS: 636 and 903 respectively.

### **REFUGE AREA:-**

Refuge Area for the proposed Building Building Type SR5" (Wing-A ,B, C ,D, E) is provided on 5<sup>th</sup> Floor. Type SR5" (Wing-A to B, C to D, D to E) is connected on 5<sup>th</sup> floor.

### **SUGGESTIONS FOR REFUGE AREA:**

- The Refuge Area shall be provided on the periphery of the floor or preferably on a cantilever projection and open to air at least on one side protected with suitable railings.
- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning **"REFUGE AREA IN CASE OF EMERGENCY"**
- Adequate drinking water facility shall be provided in the refuge area.
- Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor / passage etc. lighting shall be provided.
- Toilet facility shall be provide in the Refuge Area.
- The Layout of the Refuge Area shall not be change / modified at any time in future.



**GENERAL RECOMMENDATIONS**  
**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 6,00,000/-** Vide Receipt **No. 105039,** for the total gross built up area **10341.74 Sq. mtr.** as per letter given by the party Dated: 07/05/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,

  
**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**



**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).



**VASAI VIRAR CITY MUNICIPAL CORPORATION**  
**FIRE DEPARTMENT**

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 98 / 2013-14

DATE: 15 / 05 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention requirement for the proposed "Residential Cum Commercial Building No 3, Wing A, B, " Residential Building No 3, Wing C, D & E, " Residential Cum Commercial Building No 4, Wing A, " Residential Building No 4, Wing B, C, " Residential Cum Commercial Building No 5, Wing A, B & C in Sec I on plot Bearing S. No. 2 (316), S. No. 4 (355), S. No. 5 (45), S. No. 6 (46), S. No. 7 (47), S. No. 8 (356), S. No. 9 (357), S. No. 10 (318), S. No. 11 (350), S. No. 12 (349), S. No. 13 (49), S. No. 14 (291), S. No. 15 (50), S. No. 16 (292), S. No. 17 (293), S. No. 18 (294), S. No. 19 (57), S. No. 20 (56), S. No. 21 (55), S. No. 22 (51), S. No. 23 (312), S. No. 24 (52), S. No. 25 (53), S. No. 26 (54), S. No. 27 (58), S. No. 28 (295), S. No. 29 (297), S. No. 31 (298), H.No.(Pt), S. No. 32 (300), S.No. 33 (299), S.No.34(296),S.No.35(59),S.No.36(60),H.No.1,2,3,4(pt) S. No. 37 (61), S. No. 38 (302), S. No. 39 (301), S. No. 40 (303), S. No. 41 (304), S. No. 42 (69), S. No. 43 (68), S. No. 44 (67), S. No. 45 (66),H.No.(pt), S. No.47 (63), S. No. 48 (64), S. No. 49 (313), S. No. 50 (65), S. No. 51 (314), S. No. 52 (311), S. No. 53 (310), S. No. 54 (315), S. No. 55 (70), S. No. 56 (71), S. No. 57 (72), S. No. 58 (73), S. No. 59 (74), S. No. 60 (317),H.No.(pt), S. No. 61 (75), S. No. 62 (76), S. No. 63 (77), S. No. 65 (79), S. No.76 (98), S. No. 77 (99), S. No. 78 (100), S. No. 79 (101), S. No. 80 (105),H.No.(pt), S. No. 85 (104), S. No. 86 (102), S. No. 87 (309), S. No. 88 (305), S. No. 89 (103), S. No. 90 (113), S. No. 91 (114), S. No. 92 (116), S. No. 93 (115), S. No. 94 (25), S. No. 95 (26),H.No.(pt), S. No. 106 (306), S. No. 107 (30), S. No. 126 (31), S. No. 127 (307), S. No. 128 (308), S. No. 129 (40) at Village Kopri, Tal- Vasai, Dist -Thane.**

**Ref :- 1) A Letter from Deputy Director Town Planning No. VVCM/NR/37/2013-14, Dated: 05/04/2013.**

**2) An application received from M/s. Ajay Wade & Associates, Dated: 28/03/2013.**

**3) Revised C.C issued by Vasai Virar City Municipal Corporation No. VVCMC/TP/RDP/VP-5124/120/2012-13, Dated. 23/10/2012.**

**4) Built up area certificate of M/s. Ajay Wade & Associates, dated 14/05/2013.**

Proposal for proposed of "Residential Cum Commercial Building No 3, Wing A, B, stilt/part +Podium+ 16 Floors & Residential Building No 3, Wing C, D, E, Stilt + Podium+ 16 Floors & "Residential Cum Commercial Building No 4, Wing A, stilt/part + Podium+ 16 Floors & Residential Building No 4, Wing B, C, Stilt + Podium+ 16 Floors, "Residential Cum Commercial Building No 5, Wing A, B & C, stilt/part Podium+ 16 Floors " on above mentioned S. No. Plot. The Plot is vacant. Applicant had obtained C.C for the above mentioned building up to 15<sup>th</sup> floor. (Ref. No. 3).

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the building is not started on site & applicant had obtained C.C too (Ref. No. 3), while taking in to consideration of these facts this department is issuing the Provisional N. O. C. . The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

**OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the "Residential Cum Commercial Building No 3, Wing A, B, stilt/part Podium+ 16 Floors & Residential Building No 3, Wing C, D, E, Stilt + Podium+ 16 Floors & "Residential Cum Commercial Building No 4, Wing A, stilt/part + Podium+ 16 Floors & Residential Building No 4, Wing B, C, Stilt + Podium+ 16 Floors, "Residential Cum Commercial Building No 5, Wing A, B & C, stilt/part + Podium+ 16 Floors ", Ground floor of Proposed Building is for Commercial & Parking purpose while all the upper six teen floors will have Residential tenements.

The site is located on 12.00 meter wide roads From North Side to South Side & Another 20.00 meter wide road from West Side to East Side.

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### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- Two staircases are provided for each wing of the proposed buildings with the width of 1.50 meter & 1.00 meter and both the staircases are shown enclosed.
- A separate duct to be shown for fire fighting.

### SUGGESTIONS FOR INTERNAL STAIRCASES : (FOR EACH WING)

- Access to main staircase shall be through a fire/smoke check door.

### OBSERVATIONS OF LIFT (According to Plan)

- Three Lifts are provided for the each wing of the proposed building.

### SUGGESTIONS FOR LIFT: (FOR EACH WING)

- Applicant shall be provide one Lift as a Fire Lift.
- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.
- Telephone or other communication facilities shall be provide in the lift car. Communication system for lifts shall be connected to fire control room for the Building.
- Each Lift shall be equipped with Firemen's switch from grounding it in the event of fire.
- Lifts are to be provided / fitted with automatic steel Doors.

### PROVISION FOR LIFT & FIRE LIFT : (FOR EACH WING)

1. All Lifts of the building are to be provided with auto steel doors for lift cars and landing.
2. One lift in the building shall be designed and designated as fire lift. This lift shall be equipped with firemen's switch for grounding it in the event of fire.
3. Telephone communication system in the lift car / cars with speaker/ telephone assembly shall be provided for each building.
4. Power supply to fire lift must be automatically trip over type to the alternate source of power supply in the event of failure of normal power supply.
5. Fire fighting lift should be provided with a openable ceiling hatch for use in case of emergency.

### OBSERVATION OF PODIUM & RAMP (According to Plan)

- Two Ramp is provided for One levels parking up to 1 st floor.
- Podium is proposed to use for parking purpose.

### SUGGESTIONS FOR STILT & PODIUM :

Sprinkler system :- Required in Stilt. Separate Pumping arrangement should be provided. Guidelines are given in IS 15105 Design and installation of Fixed Automatic sprinkler fire system.

- Applicant shall provide Ring Hydrants in, Stilt & each level Podium.
- The width of the ramps shall not be less than 6.00 meters.

### FIRE FIGHTING REQUIREMENTS:

#### OVERHEAD TANK : (For Each Wing)

- Overhead tank of 10,000 liters capacity shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.
- The fire tank shall be provide with the partition wall between domestic & fire tank.

#### UNDERGROUND WATER STORAGE TANKS (For Each Wing)

Water storage tank with 75,000 liter capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway. The fire tank shall be provide with the partition wall between domestic & fire tank.

#### WET RISER : (FOR Each Wing)

Wet Riser of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided with a Double Hydrant outlet & Hose Reel on each Floor. So as not to exceed on the pressure of 5.5 Kgs. / Sq. cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.



### **FIRE PUMP AND JOCKEY PUMP : (For Each Wing)**

1. Wet Riser shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters/min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. A Jockey Pump of required capacity shall also be provided.
3. Electric supply (Normal) to this Pump shall be independent circuit.

### **FIRE ALARM SYSTEM (For Each Wing)**

Each Residential building shall be provided with manual fire alarm system with main control panel at ground floor level and pill boxed.

### **PORTABLE FIRE EXTINGUISHER:- (For Each Wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Each Lift machine rooms, each Electrical meter room, at each Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

### **ALTERNATIVE SOURCE:- (For Each Wing)**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

D. G. sets shall be provided for fire – pump, Fire lift, staircase and corridor lighting Circuits manual fire alarm system and jockey pump.

### **RECOMMENDATIONS FOR WET RISER:- : (FOR EACH WING)**

- ❖ GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- ❖ Fire hydrant valve ( Double Outlet) IS- 5290 marked, with complete accessories on each floor.
- ❖ Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- ❖ GM air release valve of 25 mm dia. 1 No.
- ❖ Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- ❖ Reflex valve as per IS 5312 80 mm dia.
- ❖ MS hose box ( Double Door) of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ❖ ISI marked monoblock booster pump (Kirloskar / Crompton) 15 HP (900 Lpm) with proper shelter with start-up switch on terrace 1 No. (for each wing)
- ❖ Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 set in each Riser.

### **OBSERVATION OF REFUGE AREA:- (According to Plan)**

Refuge Area for the proposed Buildings is provided on 8<sup>th</sup> & 15<sup>th</sup> floor.

### **SUGGESTIONS FOR REFUGE AREA:**

The Refuge Area shall be provided on the periphery of the floor or preferably on a cantilever projection and open to air at least on one side protected with suitable railings,

- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning “REFUGE AREA IN CASE OF EMERGENCY”
- Adequate drinking water facility shall be provided in the refuge area.
- Toilet facility shall be provide in the Refuge Area.
- The Layout of the Refuge Area shall not be change / modified at any time in future.

### **HOSE BOXES:- (For Each Wing)**

Near each External hydrant, hose boxes (Double Door) to be provided in the each Wing. Each box shall be equipped with 2 x 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall confirm to latest IS: 636 and 903 respectively.

### **GENERAL RECOMMENDATIONS**

#### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 4.50 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.



The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued. Please note that this N.O.C.(Provisional) is not Development Permission (C.C.) for commencement of work of building. In Future, If Applicant wants to extend the above Mentioned Building's Height, He shall be provide the Opens Spaces around the Building as per National Building Code.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has already paid the capitation fees & Scrutiny fees of **Rs. 1,10,40,000/-** built on the gross up area **106352.18 Sq. mtr** as certified by the Architect vide his letter No. ---- **dated 14/05/2013.**


Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Town planning department shall be requested to obtain a revise Provisional N. O. C. if the applicant submit the proposal to extend the height of the building.

  
**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra only. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).**







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 100 / 2013-14

DATE: 15/05/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building Type-R Wing- A & Residential Wing-B" On land Bearing S. No. (New) 1, 2, 3, 4 at village Achole & S. No. 101, 103, 104, 106, 107 at Village Gokhivare Tal- Vasai, Dist- Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/3502/2012-13, Dated: 26/03/2013.  
2) An application received from M/s. Shah Gattani Consultants, Dated: 18/03/2013.  
3) Built Up Area Certificate received from M/s. Shah Gattani Consultants, Dated: 18/03/2013.  
4) C.C. issued By CIDCO No. CIDCO/VVSR/RDP/BP/ZCC-20/E/126, Dated: 20/04/2010.

Applicant has given a Proposal for Residential Cum Commercial Building Type-R Wing- A & Residential Wing-B Part Stilt + 7 Floors " on above mentioned S. No. Plot. The R.C.C. work is in completed for above mentioned buildings. Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present R.C.C. work is in completed & applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building Type- R Wing A & B with the height of 23.80 meters. The proposal is scrutinized for the above mentioned Building Type-R Wing A & B.

Ground floor of Building Type-R Wing A is proposed to use for Commercial & Parking purpose while all the upper seven floors will have Residential Tenements.

Ground floor of Building Type-R Wing B is proposed to use for Residential & Parking purpose while all the upper seven floors will have Residential Tenements.

The site is located on 12.00 meter & 6.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for the each proposed wing with the width of 1.20 meter.
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- A separate duct for fire fighting should be provided.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for the each wing.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.



## **FIRE FIGHTING REQUIREMENTS :**

### **UNDERGROUND WATER STORAGE TANKS (For Bldg. 3 Wing A )**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### **OVERHEAD TANK ( For Each Wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :-**

Down Comer System of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **FIRE PUMP (For Bldg. Wing A)**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### **RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. **(Including ground floor)**
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only. 100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 15 HP (900 Lpm) with proper shelter with start up switch on terrace 1 No.
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level. 1 Set in Riser on ground floor.

### **PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Wet riser.

### **ALTERNATIVE SOURCE:-**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change Over Switch shall be provided for fire – pump. Fire lift, staircase and corridor lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

### **HOSE BOXES:-**

Near each external hydrant, hose boxes (Double Door) to be provided in the each buildings. Each box shall be equipped with 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall conform to latest IS: 636 and 903 respectively.

## **GENERAL RECOMMENDATIONS**

### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.



The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.


This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of Rs. 3,20,000/- Vide Receipt No. 76292 Dated 22/03/2013 for the total gross built up area 3198.00 Sq. mtr. as per letter given by the party Dated: 18/03/2013.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,

  
CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

dh

VVCMC / FIRE / 185 / 2012-13

DATE: 24 / 12 / 2012

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Business Building (I. T. Building) & Assembly Building (Club House)" On land Bearing S. No./H. No. (Old) 281, 282, 283A, 284A (New) 256/2,4, 257/2/1, 3, 4, 5, 10/1, 11, 255A, 252A at Village Sandor Tal- Vasai, Dist -Thane.**

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/1104/2012-13, Dated: 11/07/2012.  
2) An application received from M/s. R. J. Ashar, Dated: 11/07/2012.  
3) Built Up Area Certificate received from M/s. R. J. Ashar, Dated: 10/07/2012.  
4) A letter of Payment of Capitaton & Scrutiny fee received from M/s. R. J. Ashar, Dated: 21/12/2012.

Proposal for proposed **Business Building (I. T. Bldg.) Stilt + 7 Floors & Assembly Building (Club House) Basement + G + 3 Floors** on above mentioned S. No. Plot.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. Since at present plot is vacant. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### **OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the Business Building with the height of 23.90 meter & Assembly Building with the height of 16.80 meter. The proposal is scrutinized for the proposed Business (I. T.) & Asseembly (Club) building.

Ground floor of proposed business building is proposed to use for Parking propose, while all the upper Seven floors proposed to use for Business Purpose.

Basement is proposed to use for Storage Purpose, Ground floor is having Restaurant, Kitchen, Cafeteria, Changing Rooms & Lounge Area, First Floor is having Gym & Changing Rooms, Second Floor is having Card Room, Billiards Room & Third Floor is Proposed to use for Assembly Purpose.

The site are Accessible from 12.00 meter & 6.00 meter vide road.

### **SUGGESSIONS:**

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### **OBSERVATIONS OF BASEMENT: (According to Plan)**

- Basement of assembly (club) building is proposed to use for storage purpose.
- One Staircase is provided for the basement of the proposed building.

### **SUGGETIONS FOR BASEMENT:**

- Basement shall be separately ventilated.
- Alternatively a system of air inlet shall be Provided at Basement Floor Level & Smoke outlet at Basement ceiling Level.
- De-watering Pump shall be Provide for the Basement.

### **SPRINKLER SYSTEM :-**

Required in Basement of Club House Building & in entire I. T. Building too. Separate Pumping arrangement should be provided for the Basement. Guidelines are given in IS 15105 Design and installation of Fixed Automatic sprinkler fire Extinguishing system.



**OBSERVATIONS OF STAIRCASES (According to Plan)**

- Two staircases are provided for the Assembly Building (Club) with the width of 1.50 meter & 2.55 meter (Two Flights)
- Two staircases are provided for the Business Building (I. T.) with the width of 1.50 meter each & both the staircases are inter connected through passage on every floor.
- A separate duct for fire fighting is shown for Business & Assembly Building.

**OBSERVATIONS OF LIFT (According to Plan)**

- Four Lifts are provided for the proposed Business Building.
- Two Lifts are provided for the proposed Assembly (Club) Building out of which one lift is Service Lift.

**SUGGESTIONS FOR LIFT: (FOR EACH WING)**

- Applicant shall be provide Two Lifts as a Fire Lift in Business Building ( I. T.) & One in Assembly Building (Club).
- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.
- Telephone or other communication facilities shall be provide in the lift car. Communication system for lifts shall be connected to fire control room for the Building.
- Each Lift shall be equipped with Firemen's switch from grounding it in the event of fire.
- Lifts are to be provided / fitted with automatic steel Doors.
- Access to all the staircases shall be provide with Fire Resistance Door.

**PROVISION FOR LIFT & FIRE LIFT : (FOR EACH WING)**

1. All Lifts of the building are to be provided with auto steel doors for lift cars and landing.
2. One lift in the building shall be designed and designated as fire lift. This lift shall be equipped with firemen's switch for grounding it in the event of fire.
3. Telephone communication system in the lift car / cars with speaker/ telephone assembly shall be provided for each building.
4. Power supply to fire lift must be automatically trip over type to the alternate source of power supply in the event of failure of normal power supply.

**FIRE FIGHTING REQUIREMENTS :**

**UNDERGROUND WATER STORAGE TANKS**

Water storage tank with 1,00,000 liter capacity for Business Building ( I T Building) & 75,000 liter capacity for Assembly Building ( Club House) shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

**OVERHEAD TANK :**

Overhead tank of 20,000 liter capacity for Business Building ( I T Building) & 10,000 liter capacity for Assembly Building ( Club House) shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**WET RISER :(Each Building)**

Wet Riser of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided with a Down Hydrant outlet & Hose Reel on each Floor. In such a way as not to reduced the width of the staircase. Pressure reducing discs for orifices shall be provided at lower level. So as not to exceed on the pressure of 5.5 Kgs. / Sq.cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.

**FIRE PUMP :(Each Building)**

1. Wet Riser shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min.. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant / Ring Hydrant & Sprinkler System too.
2. Electric supply (Normal) to this Pump shall be independent circuit.
3. Applicant shall be provide a Sprinkler pump of suitable capacity.( For Club House & I. T. Building )
4. A Jockey Pump with suitable capacity shall be provide.

**PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**AUTOMATIC DETECTION & ALARM SYSTEM : - (For Assembly Building)**

Required on each floor. Automatic Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system.



**RECOMMENDATIONS FOR WET RISER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. **(Including ground floor)**
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No. (for each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

**( Capitation & Scrutiny Fees Rs. 10,00,000/- for I T Building & Rs. 3,00,000/- for Club House)**

The Party has paid the minimum Capitation of **Rs. 5,00,000/-** Vide Receipt **No.44037** & Scrutiny fees of **Rs. 5,00,000/-** Vide Receipt **No.44036** and Capitation & Scrutiny fees of **Rs. 3,00,000/-** Vide Receipt **No.44038** Dated **21/12/2012** for the total gross built up area **10495.49 Sq. mtr.( I T)** **2408.40 Sq. mtr.( Club House)** as certified by the Architect vide his letter No. ---- **dated 21/12/2012.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



**CHIEF FIRE OFFICER**

**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on **www.maharashtrafireservices.org** Or **www.msfindia.org.**





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

Supdt (8)

VVCMC / FIRE / 188 / 2012-13

DATE: 01/01/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 1 Wing- F" In Sector-IIA, Phase-I On land Bearing S. No. / H. No. 180, 181/2, 185/1 to 12, 186, 187B, 188/pt, 190, 191, 197, 192, 193, 194, 196, 199, 201, 202, 203, 204/3pt, 204/4, 205/1, 2, 3pt, 6, 7, 206/pt, 206/pt, 208/1, 2, 4 to 8, 209/pt, 211/1, 2, 3, 6, 7pt, 212/3, 213/1, 214/3, 215/pt, 215/pt, 216/1, 2, 4, 220/pt, 221/1, 2, 223/1, 2, 250/pt, 250/pt, 251/8, 254, 255/1 to 4, 257/1, 259/1, 260pt, 260pt, 261 & 263 at Village Nilemore Tal- Vasai, Dist- Thane.

- Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/1860/2012-13, Dated: 19/10/2012.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 16/10/2012.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 16/10/2012.  
4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-111/100/2012-13, Dated: 11/07/2012.  
5) A Letter of Payment of Capitation/Scrutiny fee received from M/s. Sanat Mehta & Associates, Dated: 11/12/2012.  
6) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/VP-0111/322/2012-13, Dated: 30/11/2012.

Proposal for proposed Residential Cum Commercial Building No. 1 Wing- F Part G + 7 Floors" In Sector-IIA, Phase-I on above mentioned S. No. Plot. Construction work of the above said building is completed upto Plinth level. Applicant had obtained C.C. & P.C.C. as per Ref No. 5 & 6 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the above said building is completed upto Plinth level & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 1 Wing- F with the height of 23.90 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 1 wing - F In Sector-IIA, Phase-I.

Ground floor of proposed Building No. 1 wing -F is proposed to use for Commercial & Parking purpose, while all the upper Seven floors will have residential tenement.

A Pocket Terrace is provided on 1<sup>st</sup> floor.

The site is located on 30.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for wing F with the width of 1.20 meter.
- A separate duct for fire fighting is shown in the plan.

### OBSERVATIONS OF LIFT (According to Plan)

- Two Lifts are provided for the proposed wing- F.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

Received by  
Sd/-  
02/01/13



**FIRE FIGHTING REQUIREMENTS :****UNDERGROUND WATER STORAGE TANKS**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

**OVERHEAD TANK**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**DOWN COMER SYSTEM :-**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (**each wing**) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (**wing**) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**FIRE PUMP**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

**RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (**Including ground floor**)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**GENERAL RECOMMENDATIONS****ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.



The Party has paid the minimum Capitation & Scrutiny fees of Rs. 2,00,000/- (Resi. Capitation-1,20,000/- Comm. Capitation-40,000/- Comm. Scrutiny-40,000/-) Vide Receipt No.44010 Dated 12/12/2012 for the total gross built up area 1614.33 Sq. mtr. as certified by the Architect vide his letter No. ---- dated 11/12/2012.

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



  
CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT

PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

Sanat (P)

VVCMC / FIRE / 189 / 2012-13

DATE: 01 / 01 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No.1 Wing- F" In Sector-III, Phase-II On land Bearing S. No. / H. No. 180, 181/2, 185/1 to 12, 186, 187B, 188/pt, 190, 191, 197, 192, 193, 194, 196, 199, 201, 202, 203, 204/3pt, 204/4, 205/1, 2, 3pt, 6, 7, 206/pt, 206/pt, 208/1, 2, 4 to 8, 209/pt, 211/1, 2, 3, 6, 7pt, 212/3, 213/1, 214/3, 215/pt, 215/pt, 216/1, 2, 4, 220/pt, 221/1, 2, 223/1, 2, 250/pt, 250/pt, 251/8, 254, 255/1 to 4, 257/1, 259/1, 260pt, 260pt, 261 & 263 at Village Nilemore Tal- Vasai, Dist- Thane.**

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/2012/2012-13, Dated: 12/11/2012.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 03/11/2012.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 05/10/2012.  
4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-0111/100/2012-13, Dated: 11/07/2012.  
5) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/VP-0111/327/2012-13, Dated: 30/11/2012.

Proposal for proposed **Residential Cum Commercial Building No. 1 Wing- F G + 7 Floors** " In Sector-III, Phase-II on above mentioned S. No. Plot. Construction work of the above said building is completed upto ground floor. Applicant had obtained C.C. & P.C.C. as per Ref No. 4 & 5 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present construction work of the above said building is completed upto ground floor. & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 1 Wing- F with the height of 23.90 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 1 wing - F In Sector-III, Phase-II.

Ground floor of proposed Building No. 1 wing -F is proposed to use for Commercial purpose, while all the upper Seven floors will have residential tenement.

A Pocket Terrace is provided on 1<sup>st</sup> floor.

The site is located on 12.00 meter wide road.

### SUGGESSIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- Two staircases are provided for wing F with the width of 1.20 meter & 0.75 meter.
- A separate duct for fire fighting is shown in the plan.

### SUGGESTIONS FOR STAIRCASES

- The width of the internal staircase shall not be less than 1.00 meter.

### OBSERVATIONS OF LIFT (According to Plan)

- Two Lifts are provided for the proposed wing- F.

### SUGGESSIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

Received by  
02/01/13



## **FIRE FIGHTING REQUIREMENTS :**

### **UNDERGROUND WATER STORAGE TANKS**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### **OVERHEAD TANK**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :-**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (**each wing**) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (**wing**) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **FIRE PUMP**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### **RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (**Including ground floor**)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### **REFUGE AREA:-**

Refuge Area for the proposed Building Wing 'F' is provided on 5<sup>th</sup> Floor.

### **SUGGESTIONS FOR REFUGE AREA:**

The Refuge Area shall be provided on the periphery of the floor or preferably on a cantilever projection and open to air at least on one side protected with suitable railings.

- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning "**REFUGE AREA IN CASE OF EMERGENCY**"
- Adequate drinking water facility shall be provided in the refuge area.
- Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor / passage etc. lighting shall be provided.
- Toilet facility shall be provide in the Refuge Area.
- The Layout of the Refuge Area shall not be change / modified at any time in future.

### **PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

### **GENERAL RECOMMENDATIONS**

#### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.



..3..

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 2,00,000/- (Resi. Capitation-1,20,000/- Comm. Capitation-40,000/- Comm. Scrutiny-40,000/-) Vide Receipt No.43842 Dated 27/11/2012** for the total gross built up area **1608.39 Sq. mtr.** as certified by the Architect vide his letter No. ---- **dated 05/10/2012.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

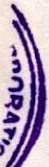
Thanking you,



  
CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).

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# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

Sanat (P)

VVCMC / FIRE / 190 / 2012-13

DATE: 01 / 01 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 1 Wing- A & B" On land Bearing S. No. / H. No. 254/3 at Village Achole Tal- Vasai, Dist- Thane.**

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/913/2011-12, Dated: 17/08/2011.  
2) An application received from M/s. Sanat Mehta & Associates, Dated: 09/08/2011.  
3) Built Up Area Certificate received from M/s. Sanat Mehta & Associates, Dated: 27/10/2012.  
4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-0459/242/2011-12, Dated: 27/02/2012.  
5) Plinth Certificate issued by VVCMC No. VVCMC/TP/PCC/BP-4581/VP-0459/E/60, Dated: 28/04/2011.

Proposal for proposed **Residential Cum Commercial Building No. 1 Wing- A & B Gr. + 7 Floors** on above mentioned S. No. Plot. Construction work of the above said building is completed upto 3<sup>rd</sup> floor level. Applicant had obtained C.C. & P.C.C. as per Ref No. 4 & 5 respectively.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the above said building is completed upto plinth level & applicant had obtained C.C. & P.C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### **OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the Building No. 1 Wing- A & B with the height of 23.90 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building No. 1 wing – A & B.

Ground floor of proposed Building No. 1 wing –A & B is proposed to use for Residential & Parking purpose, while all the upper Seven floors will have residential tenement.

A Pocket Terrace is provided on 1<sup>st</sup> & 4<sup>th</sup> floor.

The site is located on 12.00 meter wide road.

### **SUGGESTIONS:**

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### **OBSERVATIONS OF STAIRCASES (According to Plan)**

- One staircase is provided for each wing A & B with the width of 1.20 meter.
- A separate duct for fire fighting is not shown in the plan.

### **SUGGESTIONS FOR STAIRCASES**

- A separate duct for fire fighting shall be provided.

### **OBSERVATIONS OF LIFT (According to Plan)**

- One Lift is provided for the each proposed wing- A & B.

### **SUGGESTIONS FOR LIFT**

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

Received by  
[Signature]  
02/01/13



## **FIRE FIGHTING REQUIREMENTS :**

### **UNDERGROUND WATER STORAGE TANKS (For each wing)**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### **OVERHEAD TANK (For each wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :- (For each wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (**each wing**) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (**wing**) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

### **FIRE PUMP (For each wing)**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### **RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (**Including ground floor**)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

### **PORTABLE FIRE EXTINGUISHER:- (For each wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

### **EXTERNAL / YARD HYDRANTS (For each wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

## **GENERAL RECOMMENDATIONS**

### **ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.



The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 4,00,000/- (Resi. Capitation-2,40,000/- Comm. Capitation-80,000/- Comm. Scrutiny-80,000/-)** Vide Receipt **No.44017 Dated 13/12/2012** for the total gross built up area **4390.85 Sq. mtr.** as certified by the Architect vide his letter No. ---- dated **27/10/2012.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



A handwritten signature in blue ink, likely belonging to the Chief Fire Officer.

**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

VVCMC / FIRE / 198 / 2012-13

DATE: 10 / 01 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Mix Occupancy Building" On land Bearing S. No.76 at Village Sativali Tal- Vasai, Dist- Thane.**

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/2301/2012-13, Dated: 24/12/2012.  
2) An application received from M/s. Ravi Trivedi Total Solutions, Dated: 08/09/2012.  
3) Built Up Area Certificate received from M/s. Ravi Trivedi Total Solutions, Dated: 15/12/2012.  
4) Approved Plan by Industrial Safety & Health No. PLAN/282/2012/Su.Ma.Ka./ 6127/VASAI, Dated: 09/11/2012.  
5) A letter of payment of capitation/scrutiny fees received from M/s. Ravi Trivedi Total Solutions, Dated: 01/12/2012.

Proposal for proposed **Mix Occupancy Building Part G + 2 Floors** on above mentioned S. No. Plot. Construction Work of the said building is completed. Applicant had obtained approved plans as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present Construction Work of the said building is completed & obtained approved plans too, while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### **OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:**

The Applicant has proposed to construct the Building with the height of 11.30 meters. The proposal is scrutinized for the proposed Commercial Building.

Ground floor of proposed Building is proposed to use for Storage Purpose, First & Second floors are proposed to use for Office purpose.

The site is located on National Highway No. 8.

### **SUGGESTIONS:**

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### **OBSERVATIONS OF STAIRCASES (According to Plan)**

- One staircases are provided for the Proposed Building.
- A separate duct for fire fighting is not shown in the plan.

### **FIRE FIGHTING REQUIREMENTS :**

#### **UNDERGROUND WATER STORAGE TANKS**

Water storage tank with 1,00,000 capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

#### **OVERHEAD TANK**

Overhead tank of 10,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.



**WET RISER :**

Wet Riser of Internal Diameter of 100 mm of G.I."C" Class Pipe shall be provided with a Single Hydrant outlet & Hose Reel on each Floor. In such a way as not to reduced the width of the staircase. Pressure reducing discs for orifices shall be provided at lower level. So as not to exceed on the pressure of 5.5 Kgs. / Sq.cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.

**SPRINKLER SYSTEM:**

Sprinkler system is required in Ground Floor (Storage Area) for the proposed building.

**FIRE PUMP :**

1. Down Comer shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min.. capable of giving pressure of not less than 3.2 kgs. / Sq. cms. at the top most hydrant and shall be connected with yard hydrant / Ring Hydrant & Sprinkler System too.
2. Electric supply (Normal) to this Pump shall be independent circuit.
3. Applicant shall be provide a Sprinkler pump of suitable capacity.
4. Diesel Pump of suitable capacity shall be provided.
5. Jockey Pump of suitable capacity shall be provided.

**RECOMMENDATIONS FOR DOWN WET RISER:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. **(Including ground floor)**
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1987) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**AUTOMATIC DETECTION & ALARM SYSTEM : -**

Required on each floor. Automatic Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system.

**FIRE ALARM SYSTEM :-**

Commercial building shall be provided with manual fire alarm system with main control panel at ground floor level and pill boxed and hooters at each at the upper floors levels. The layout of the fire alarm system shall be in accordance to the Indian Standards Specifications.

**PORTABLE FIRE EXTINGUISHER:-**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**GENERAL RECOMMENDATIONS****ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

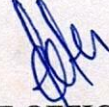


The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation fees of **Rs. 2,40,000/-** Vide Receipt **No. 44058 & Rs. 2,40,000/-** Vide Receipt **No. 44059 Dated 29/12/2012** for the total gross built up area **3547.45 Sq. mtr.** as certified by the Architect vide his letter No. ---- **dated 01/12/2012** .

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



**CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.msfindia.org](http://www.msfindia.org).







# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

suketa (P)

VVCMC / FIRE / 199 / 2012-13

DATE: 10/01/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building No. 1 Wing-A & B" On land Bearing S.No. 73 H.No. 3, S.No. 74 H.No. 12, 13, 14/2, 15, S.No. 75 H.No. 2, at Village Chulne Tal- Vasai, Dist- Thane.**

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/1391/2012-13, Dated: 14/08/2012.  
2) An application No. VP-0099/28 received from M/s. En Con Architect, Dated: 17/07/2012.  
3) Built Up Area Certificate received from M/s. En Con Architect, Dated: 17/07/2012.  
4) C.C. issued by VVCMC No. VVCMC/TP/CC/VP-0598/102, Dated: 16/04/2012.

Proposal for proposed **Residential Cum Commercial Building No. 1 Wing-A & B Part G + 7 Part Floors** on above mentioned S. No. Plot. The construction work of wing-A is completed up to 2<sup>nd</sup> Slab & pilling work of wing-B is in process. Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present construction work of wing-A is completed up to 2<sup>nd</sup> Slab & pilling work of wing-B is in process & applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building No. 1 Wing-A & B with the height of 23.90 meters. The proposal is scrutinized for the proposed Building No. 1 wing -A & B.

Ground floor of proposed Building No. 1 wing -A & B is proposed to use for Parking & Commercial purpose, while all the upper Seven floors will have residential tenement.

A Pocket Terrace is provided on 1<sup>st</sup> floor of wing A & B.

The site is located on 12.00 meter wide road.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- Two staircases are provided for the each wing A & B with the width of 1.20 meter each.
- A separate duct for fire fighting is shown in the plan.

### OBSERVATIONS OF LIFT (According to Plan)

- One Lift is provided for the each proposed wing.

### SUGGESTIONS FOR LIFT

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

### FIRE FIGHTING REQUIREMENTS :

#### UNDERGROUND WATER STORAGE TANKS (For Each Wing)

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

15/01/2013



**OVERHEAD TANK (For Each Wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**DOWN COMER SYSTEM :- (For Each Wing)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**FIRE PUMP (For Each Wing)**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

**RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**PORTABLE FIRE EXTINGUISHER:- (For each Wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS (For each Wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 2,00,000/- (wing A) Vide Receipt No. 44034 & Rs. 2,00,000/- (wing B) Vide Receipt No. 44035 Dated 20/12/2012** for the total gross built up area **3694.69 Sq. mtr.** (2 wings) as certified by the Architect vide his letter No. ---- **dated 17/07/2012.**



Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



A handwritten signature in blue ink, appearing to be "S. S. S.", written over the typed name.

CHIEF FIRE OFFICER  
VASAI VIRAR CITY MUNICIPAL CORPORATION.

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

/VCMC / FIRE / 201 / 2012-13

DATE: 11 / 01 / 2013

To  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :- Grant of Provisional No Objection Certificate - Submitting Fire Protection and Fire Prevention Requirement for the proposed "Residential Cum Commercial Building Type(1, D1 & D2 and Residential Building Type-F1" On land Bearing S. No. / H. No. (New) 363/1, 365/1 to 7, 3649 366/1 to 4, 367/7, 8, 368/1, 3, 5,6 (Old) 327/1, 328/1 to 7, 329, 330/1 to 4, 331/7, 8, 332/1, 3, 5,6 at Village Juchandra Tal- Vasai, Dist- Thane.**

- Ref :- 1) A Letter from Deputy Director Town Planning No. WCM/NR/1976/2012-13, Dated: 08/11/2012.  
2) An application received from M/s. A. M. Faroz & Associates, Dated: 07/11/2012.  
3) Letter of Payment of Capitation/Scrutiny fees received from M/s. A. M. Faroz & Associates, Dated : 03/01/2013.  
4) Revised C.C. issued by WCMC No. WCMC/FP/RDP/VP-3487 & 3488/1015/2012-13, Dated: 03/07/2012.

Proposal for **prgmixJ Residential Cum Commercial Building Type-GI, D1 & D2 Gr. + 7 Floors and Residential Building Type-F1 Part Gr. + 7 Floors** on above mentioned S. No. Plot. Construction work of the building Type FI & GI is completed up to 6<sup>th</sup> slab & Building Type D1 & D2 is completed up to 2<sup>nd</sup> slab. Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are submitted as per the existing Bye-laws and N.B.C. Part IV. At present Construction work of the building Type FI & GI is completed up to 6<sup>th</sup> slab & Building Type D1 & D2 is completed up to 2<sup>nd</sup> slab & applicant had obtained C.C., while taking into consideration of these facts this department is issuing the provisional N.O.C.. The following Fire protection & prevention systems should be provided by Applicant. After complying these recommendations this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Building Type-GI with the height of 23.80 meters, Building Type-D1 & D2 with the height of 23.60 meters & Building Type-FI with the height of 22.35 meters. The proposal is scrutinized for the proposed Residential Cum Commercial Building Type-GI, D1, D2 & Residential Building Type-FI.

Ground floor of proposed Building Type-GI is proposed to use for Residential & Commercial purpose, while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building Type-F 1 is proposed to use for Residential & Parking purpose, while all the upper Seven floors will have residential tenement.

Ground floor of proposed Building Type-D1 & D2 are proposed to use for Residential & Commercial purpose, while all the upper Seven floors will have residential tenement.

The buildings are accessible from 6.00 meter wide road.

### RECOMMENDATIONS:

; Minimum 6 meters Open Space around all the buildings must be provided & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines UP to 40 tones. , Open Space shall not be used for Parking, any other installation, or any other Construction Purpose. , High clearance and width of the entrance gates of compound shall not be less than 5'00 meters, All the open spaces and internal roads shall be paved





## **GESTIONS FOR STAIRCASES**

- A separate duct for fire fighting shall be provided for each wing.

## **OBSERVATIONS OF LIFT (According to Plan)**

- One Lift is provided for the each proposed Building Type GI, FI, DI & D2.

## **SUGGESTIONS FOR LIFT**

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

## **FIRE FIGHTING REQUIREMENTS :**

### **UNDERGROUND WATER STORAGE TANKS (Building Type GI, DI & D2)**

Water storage tank with suitable capacity shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

### **OVERHEAD TANK (For each wing)**

Overhead tank of 25,000 liters capacity For each Residential & Commercial part shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

### **DOWN COMER SYSTEM :- (For each wing)**

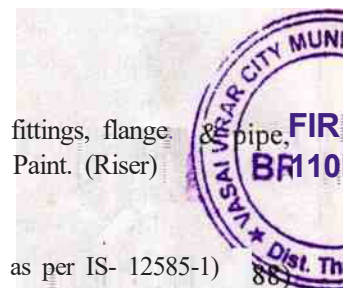
Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire SHa inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect A the mobile pump of fire service to the Down Comer System. 7

### **FIRE PUMP (Building Type GI, DI & D2)**

1. Down Comer System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant.
2. Electric supply (Normal) to this Pump shall be independent circuit.

### **RECOMMENDATIONS FOR DOWN COMER SYSTEM:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239- 1972 with welding of GI Elbows with fittings, flange & pipe, Fire whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
- a 100 mm dia b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor.
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only. 100 mm dia, & 80 mm dia. 2 No.(at ground floor and 1st floor)
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non permeating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS- 2871/1983 marked
- ISI marked nonoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with startup switch on terrace 1 No.(For each wing)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.



### **REFUGE AREA:-**

Refuge Area for the proposed Building Type GI, FI, DI & D2 is provided on 5<sup>th</sup> Floor.

### **SUGGESTIONS FOR REFUGE AREA:**

- The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning "REFUGE AREA IN CASE OF EMERGENCY"



**PORTABLE FIRE EXTINGUISHER:- (For each wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.

**EXTERNAL / YARD HYDRANTS (For each wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Corner.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.(V. & N.B.(Part IV) 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 7,20,000/- (Capitation fee for residential part Rs. 1,20,000/- for each Bldg. Type-GI, FI, DI & D21 Capitation fees for commercial part Rs. 40,000/- for each Bldg. Type- GI, DI & D2 and Scrutiny fees Rs. 40,000/- for each Bldg. Type- GI, DI & D2 )** Vide Receipt No. 44094 Dated 04/01/2013 for the total gross built up area **8885.96 Sq. mtr.** as certified by the Architect vide his letter No. — **dated 03/01/2013.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



  
**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION**

**COPY TO ARCHITECT WITH FIRE PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

**PLEASE NOTE:- As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or**

**Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).**





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

Handwritten: 01/03/2013

VVCMC / FIRE / 257 / 2012-13

DATE: 02 / 03 / 2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention requirement for the proposed "Petrol Pump" On land bearing S. No. 6/1 (Old S. No. 3) at Village Vatar, Tal. & Dist. Thane.

**Ref :-** 1) A Letter from Deputy Director Town Planning No. VVCM/NR/2280/2012, Dated: 20/12/2012.

2) An application received from M/s. Sameer R. Desai, Dated: 14/12/2012.

3) Built Up Area Certificate received from M/s. Sameer R. Desai, Dated: 18/12/2012.

4) C.C. issued by VVCMC No. VVCMC/TP/NA/VP-5216/2005/2012-13, Dated: 09/11/2012.

5) A Letter of Bharat Petroleum Corporation Ltd. Dated: 23/07/2012.

6) Sanctioned Plan By Joint Chief Controller of Explosive, Dated: 25/07/2012.

Applicant has given a Proposal for "Petrol Pump & Office (Ground Floor)" on above mentioned S. No. Plot.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. Since at present plot is vacant. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate.

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The proposal is scrutinized for the above mentioned Petrol Pump.  
The site is located on 12.00 meter wide D. P. Road.

### SUGGESTIONS :

- Open Space shall be provide as per shown in plan and must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Purpose.
- All the open spaces and internal roads shall be paved with concrete.
- Compulsory open space around the Building shall not be use for Parking & keep open without any Obstruction.

### FIRE FIGHTING REQUIREMENTS:

#### WATER REQUIREMENTS

An underground static water storage tank of 1,00,000 liters shall be provided with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, & insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

#### FIRE PUMP AND JOCKEY PUMP :

1. External Yard Hydrant shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min.. capable of giving pressure of not les than 3.2 kgs./ Sq. cms. at the furthest hydrant and shall be connected with yard hydrant too.
2. Electric supply (Normal) to this Pump shall be independent circuit.

#### HOSE BOXES:-

Near each internal hydrant, hose boxes (Double Door) to be provided. Each box shall be equipped with 2 x 15 meter length of m 63 mm rubber line hose along with standard branch pipe. It shall confirm to latest IS: 636 and 903 respectively.

#### PORTABLE FIRE EXTINGUISHER:-

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity shall be provide at required Places.



**RECOMMENDATIONS FOR EXTERNAL YARD HYDRANT:**

- ❖ GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint.
  - a. 100 mm dia b. 80 mm dia
- ❖ Fire hydrant valve IS- 5290 marked, with complete accessories.
- ❖ Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve.
- ❖ GM air release valve of 25 mm dia. 1 No.
- ❖ Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- ❖ Reflex valve as per IS 5312 80 mm dia.
- ❖ MS hose box ( Double Door) of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ❖ Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level.

**EXTERNAL / YARD HYDRANTS:-**

External Hydrants as per requirement shall be provided for the each proposed building within the confines of site on the wet riser.

**ALTERNATIVE SOURCE:- (FOR EACH WING)**

An alternative source of L.V./H.V. supply from a separate sub-station with appropriate Change over Switch shall be provided for fire – pump. Fire lift, lighting circuits manual fire alarm system and jockey pump. It shall be housed on / in separate cables.

D. G. sets shall be provided for fire – pump, lighting circuits manual fire alarm system and jockey pump.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of M.B.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

Before Issuing C.C., the Town Planning Department has to verify the Plan as per the given NOC of Fire Department. & rectify the same. This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued. Please note that this N.O.C.(Provisional) is not Development Permission (C.C.) for commencement of work.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party paid the capitation & Scrutiny fees of **Rs. 80,000/-** Vide Receipt No. 75892 dated **02/03/2013** on the Total gross built up area **255.50 Sq. mtr.** as certified by the Architect vide his letter No.----- dated **27/02/2013.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



  
**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED WITH THE APPLICATION AT FIRE DEPARTMENT.**

**PLEASE NOTE:-** As per The Fire Prevention & Life Safety Measures Act The Fire Fighting Installation Work should be done only by Licensed Agency appointed by Vasai Virar City Municipal Corporation or Government Of Maharashtra. The list of the License Agencies is available on [www.maharashtrafireservices.org](http://www.maharashtrafireservices.org) Or [www.mfsindia.org](http://www.mfsindia.org).





# VASAI VIRAR CITY MUNICIPAL CORPORATION

## FIRE DEPARTMENT

Tel. No. 0250-2525101/02/03/04/05/06

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VVCMC / FIRE / 283 / 2012-13

DATE: 25/03/2013

To,  
The Deputy Director of Town Planning,  
Vasai Virar City Municipal Corporation,  
Dist: Thane.



**Sub :-** Grant of Provisional No Objection Certificate Stipulating Fire Protection and Fire Prevention Requirement for the proposed "Residential Building No. 4 wing A & B and Assembly Building (CFC)" On land Bearing S. No. 55 H. No. 14, S. No. 60 H. No. 1, 2AB, 3AB, 4, 5, 6, 7, S. No. 61 H. No. 1pt, S. No. 62 H. No. 2, 3 & 5 at Village Chulne Tal- Vasai, Dist- Thane.

- Ref :-**
- 1) A Letter from Deputy Director Town Planning No. VVCM/NR/1821/2012-13, Dated: 17/10/2012.
  - 2) An application No. No. VP-0102/182(BP-4127) & VP-0102/170(BP-4127) received from M/s. En Con Architect, Dated: 08/10/2012.
  - 3) Built Up Area Certificate No. VP-0102/171(BP-4127) & VP-0102/172(BP-4127) received from M/s. En Con Architect, Dated: 08/10/2012.
  - 4) Revised C.C. issued by VVCMC No. VVCMC/TP/RDP/VP-0102/117/2011-12, Dated: 21/10/2011.
  - 5) A letter of payment of capitation fees No. VP-0102/178 & VP-0102/179 received from M/s. En Con Architect, Dated: 07/02/2013.
  - 6) A letter of payment of capitation fees No. VP-0102/181(BP-4127) received from M/s. En Con Architect, Dated: 21/02/2013.
  - 7) A letter of payment of capitation fees No. VP-0102/182(BP-4127) received from M/s. En Con Architect, Dated: 21/02/2013.

Proposal for proposed Residential Building No. 4 Part G + 7 Floors & Assembly Building G + 3 Floors" on above mentioned S. No. Plot. The RCC work of building No. 4 is completed & Plinth work is completed for Assembly building. Applicant had obtained C.C. as per Ref No. 4.

Hereby, our department recommending the Fire Safety majors in the building, accordingly the plans are scrutinized as per the existing Bye-laws and N.B.C. Part IV. At present The RCC work of building No. 4 is completed & Plinth work is completed for Assembly building & applicant had obtained C.C. too, while taking into consideration of these facts this department is issuing the provisional N.O.C. The following Fire protection & prevention systems should be provide by Applicant. After complying these recommendation this department will issue a final No Objection Certificate for the purpose of Occupational Certificate .

### OBSERVATIONS AND DIRECTIONS ARE GIVEN BELOW:

The Applicant has proposed to construct the Residential Building No. 4 wing A & B with the height of 23.40 meter & Assembly Building with the height of 15.80 meter. The proposal is scrutinized for the proposed Residential & Assembly ( CFC) Building.

Ground floor & all the upper Three Floors of proposed Assembly (CFC) Building is proposed to use for Assembly Purpose.

Ground floor of proposed Residential Building wing A & B is proposed to use for Parking & Residential purpose, while all the upper Seven floors will have residential tenement.

The site is located on 12.00 meter & 20.00 meter wide roads.

### SUGGESTIONS:

- Minimum 6 meters Open Space around all the buildings must be paved & maintained free of all Projection / Encroachments / obstruction for easy movements of fire appliances & same shall be capable of taking the load of fire engines up to 40 tones.
- Open Space shall not be used for Parking, any other installation, or any other Construction Purpose.
- High clearance and width of the entrance gates of compound shall not be less than 5.00 meters.
- All the open spaces and internal roads shall be paved with concrete.

### OBSERVATIONS OF STAIRCASES (According to Plan)

- One staircase is provided for the each wing of proposed building No.4 with the width of 3.05 meter each.(Two Flights)
- One staircase is provided for the proposed Assembly building with the width of 3.45 meter.(Two Flights)
- A separate duct for fire fighting is not shown in the plan.

### SUGGESTIONS FOR LIFT

- A separate duct for fire fighting shall be provide.
- The width of the Staircase for the Assembly (CFC) Building shall not be less than 2.00 meter.

25/3/2013



**OBSERVATIONS OF LIFT (According to Plan)**

- One Lift is provided for the each proposed wing & for CFC building.

**SUGGESTIONS FOR LIFT**

- Suitable arrangements such as providing slope in the floor of lift lobby, shall be made to prevent water use during fire fighting, etc., at any landing from entering the lift shaft.

**FIRE FIGHTING REQUIREMENTS :****UNDERGROUND WATER STORAGE TANKS**

Water storage tank with 75,000 liter capacity shall be provided for Assembly (CFC) building with static storage water supply required shall entirely accessible to the fire engines of the local fire service. Provision of suitable number of manholes shall be made available for inspection, repairs, insertion of suction hoses etc. The covering slab shall be able to withstand the vehicular load 40 tons at any given point when the slab forms a part of pathway/driveway.

**OVERHEAD TANK**

Overhead tank of 25,000 liters capacity For each Residential wing & 10,000 liter capacity for Assembly (CFC) building shall be provided at the terrace level with suitable capacity of booster pump only for fire fighting. The stability of the Terrace should be maintained to bear the load of the water tank.

**DOWN COMER SYSTEM :- (For wing A & B)**

Down Comer System of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided for each building (each wing) in the duct adjoining the staircase with single Hydrant outlet & Hose Reel on each floor landing in such a way as not to reduced the width of Corridor. A Fire Service inlet on the external face of the building (wing) near the static tank directly fronting the Court Yard shall be provided to connect the mobile pump of fire service to the Down Comer System.

**WET RISER: (For CFC Building)**

Wet Riser of Internal Diameter of 100 mm of G.I. "C" Class Pipe shall be provided with a Double Hydrant outlet & Hose Reel on each Floor. In such a way as not to reduced the width of the staircase. Pressure reducing discs for orifices shall be provided at lower level. So as not to exceed on the pressure of 5.5 Kgs. / Sq. cm. A Fire Service inlet on the static tank directly fronting Courtyards shall be provided to connect the mobile pump of fire service to the Wet Riser. The Wet Riser should be pressurized type & automatic in operation, with jockey Pump suitable capacity.

**FIRE PUMP AND JOCKEY PUMP (For CFC Building)**

1. Wet Riser System shall be connected to a Fire Pump at ground level of capacity of not less than 2280 liters / min. capable of giving pressure of not less than 3.2 kgs./ Sq. cms. at the top most hydrant and shall be connected with yard hydrant too.
2. A Jockey Pump of required capacity shall also be provided.
3. Electric supply (Normal) to this Pump shall be independent circuit.

**RECOMMENDATIONS FOR DOWN COMER / WET RISER:-**

- GI-C-Class pipe ( Zenith / Jindal / Tata) IS-1239-1972 with welding of GI Elbows fittings, flange & pipe, whichever necessary & painting of enamel primer with 2 coats of ASIAN PAINT Red Paint. (Riser)
  - a. 100 mm dia
  - b. 80 mm dia
- Fire hydrant valve IS- 5290 marked, with complete accessories on each floor. (Including ground floor)
- Good quality MS swinging type hose reel drum with hose reel hose (Thermoplastic, as per IS- 12585-1988) of 10 kg/cm<sup>2</sup> working pressure with diffuser nozzle & gate valve on each floor.
- GM air release valve of 25 mm dia. 1 No.
- Sluice Valve /Butterfly valve, Sir/ Adaco make only.100 mm dia, & 80 mm dia. 2 No.(at ground floor and terrace level.)
- Reflex valve as per IS 5312 80 mm dia.
- MS hose box of 18 gauge thickness, with front glass. 15 mtrs Rubber lined Pyro-protect non percolating of ISI marked delivery hose pipe IS-636 marked with ISI-903 marked couplings & GM branch pipe IS-2871/1983 marked.
- ISI marked monoblock booster pump (Kirloskar / Crompton) 5 HP (450 Lpm) with proper shelter with start-up switch on terrace 1 No.(For wing A & B)
- ISI marked monoblock booster pump (Kirloskar / Crompton) 15 HP (900 Lpm) with proper shelter with start-up switch on terrace 1 No.(For CFC Bldg.)
- Gun Metal male 2 way adaptor FIRE BRIGADE breaching (with NRV & Drain plug) 1 set at ground level & 1 Set in Riser on ground floor.

**PORTABLE FIRE EXTINGUISHER:- (For each Wing)**

ABC Type store pressure fire extinguisher IS-13849 of 5 kg. capacity for the protection of On each Floor, Lift machine rooms, Electrical meter room, at Pump Room & at other required Places.



**EXTERNAL / YARD HYDRANTS (For each Wing)**

External Hydrants as per the requirement shall be provided for the each proposed building within the confines of site on the Down Comer.

**FIRE ALARM SYSTEM :- (For CFC Building)**

Commercial Part of the proposed building shall be provided with manual fire alarm system with main control panel at ground floor level and pill boxed and hooters at each at the upper floors levels. The layout of the fire alarm system shall be in accordance to the Indian Standards Specifications.

**GENERAL RECOMMENDATIONS**

**ACCESS**

Adequate passageway and clearances required for the fire fighting appliances to enter the premises shall be provided at the main entrance, the width of the entrance shall be not less than 5.00 meters. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 meters.

The other provisions of D.C. Rules of V.V.C.M.C. & N.B.C. Part IV, 2005 should be strictly followed.

This is a Provisional No Objection Certificate, after providing the above fire prevention and protection system and after compliance of above recommendations the Final No Objection Certificate will be issued.

The Chief Fire Officer reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the people.

The Party has paid the minimum Capitation & Scrutiny fees of **Rs. 80,000/- Vide Receipt No. 76146 & Capitation fees of Rs. 2,40,000/- Vide Receipt No. 76147 Dated 08/03/2013** for the total gross built up area **778.00 Sq. mtr.(CFC) & 3510.00 Sq. mtr.(Building No. 4)** as certified by the Architect vide his letter No. ---- **dated 07/02/2013.**

Town planning department is requested to verify the total built up area and inform this office and if same is found to be more for the purpose of levying additional capitation fees if required.

Thanking you,



  
**CHIEF FIRE OFFICER**  
**VASAI VIRAR CITY MUNICIPAL CORPORATION.**

**COPY TO ARCHITECT WITH PLAN SUBMITTED ALONG WITH THE APPLICATION AT FIRE DEPARTMENT**

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