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TAMIL NADU FIRE AND RESCUE SERVICES DEPARTMENT

From

R.C.Kudawla , IPS,
Director,
Fire and Rescue Services,
No. 1, Greems Road,
Chennai – 6.

To

M/s **Smart Value Homes Ltd,**
Paras Plaza, 4th Floor,
No. 30/1, Cathedral Garden Road,
Nungambakkam,
Chennai – 600 034.

K.Dis.No.14109/C1/2013
PP.NOC . No. 160 /2013

Dated.14 .12.2013

Sir,

Sub: Tamil Nadu Fire and Rescue Services – Directorate - High Rise Building – Inspection at M/s Smart Value Homes Ltd, S.F.No.76B pt, 77/1,77/pt, 78/2, 78/5,78/8pt, 79,80/1,80/2 pt, 81A/9,81A/10,81A/13pt,Vandalur – Kelambakkam Road, Mambakkam, Chengalpet Taluk, Kanchieepuram District - NOC for Planning Permission – Reg.

Ref: 1). Your Letter received dated on 18.07.2013 .
2). The Deputy Director North Western Region, Rc.No. 2222/A2/2013 dated: 4.10.2013

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With the reference to the letter cited above, I wish to state that MSB Inspection committee of North Western Region has inspected the site at M/s Smart Value Homes Ltd, S.F.No.76B pt, 77/1,77/pt, 78/2, 78/5,78/8pt, 79,80/1,80/2 pt, 81A/9,81A/10,81A/13pt,Vandalur – Kelambakkam Road, Mambakkam, Chengalpet Taluk, Kanchieepuram District for which NOC has been requested and the committee has made certain observations as regards Fire and Safety, which are reproduced below:-

Observation:-

It is a planning proposal proposed by M/s Smart Value Homes Ltd or the construction of residential building consists of Block Wing 1 to Wing8 and a Club House. Wing 1 consists of Combined Basement Floor + Stilt Floor 13 Floors with the height of 42.00mtrs. Wing 2 and wing 3 consists of Combined Basment Floor + Stilt Floor + 16 Floors with the height of 51.00 mtrs. Wing 5 consist of Combined Basement Floor + Stilt Floor + 14 Floors

with the height of 45.00 mtrs. Wing 4 consists of Combined Basement Floor + Stilt Floor + 11 Floors with the height of 36.00 mtrs. Wing 6 and Wing 7 consists of Combined Basment Floor + Stilt + 18 Floor with the height of 57.00 mtrs. Wing 8 consists of Combined Basement Floor + Stilt Floor + 17 Floors with the height of 54.00 mtrs. Club House consist of Ground Floor + 2 Floors with the height of11.85 mtrs. The plot area is 61307.67 sq.mtrs. and the total building area is 152579.60 sq.mtrs . The proposal has the side set back provision of more than 7 mtrs all around the building and also inbetween the blocks. The proposed construction is classified to come under Group A Residential Building and the Sub division A-4 Apartment Houses as per the National Building code of India Part IV Fire and Life Safety (Second Revision) – 2005.

The Fire & Life Safety measures should be provided in the proposed building for each wing before the actual occupation as listed below:

(1). There should a one Wet-riser per 1000 square meter area covering all floor areas with landing valves along with delivery hoses for each block. The riser should be fully charged with adequate pressure at all times & should have both automatic and manual operation. To feed the wet-riser system an underground static water tank of minimum capacity 75,000 liters should be provided with refilling facilities for each block. A terrace level tank of capacity 10,000 liters also should be provided for each block. To charge the wet riser system and the sprinkler system to separate electrical pump of capacity 2280 LPM should be provided near the underground water tank for each block. An equal capacity of Diesel Pump should also be provided as an alternative arrangement for each block. The pumps should have the capacity of developing pressure of 3.5kg/cm at terrace level hydrant point. One more electrical pump of capacity of 180 LPM should be provided as a Jockey pump for each block.

(2). Fire Service inlets fitted with NRV at ground level should be provided.

(3). Hose reel assembly should be provided per 1000 sq.mtrs covering each floor area.

(4) Yard Hydrant should be provided at all around the building at 30 mtrs interval.

(5). Manually operated fire alarm call points should be provided in each floor near exits.

(6). Automatic Sprinkler System should be provided for the whole building including basement.

(7). Exit Signage's should be provided with alternative source of power supply or battery back – up with "GLOW" TYPE.

(8). Emergency Lights should be provided at staircase landing and exit routes.

(9). Lighting arrester should be provided for each block.

(10). No.of Ramp and exit, location and its width should be conforms to the requirements of National Building code of India, Second Revision Part 4 -2005.

(11). Minium two Numbers of Staircase, should be provided they should be away from each other as per NBC – 2005.

(12). One Fire lift should be provided for evacuation for each block.

(13). Compartmentation – should be made in each floor to check the spread of fire and smoke.

(14). Refuge Area to be provided at 24th metre level and at every 15mts at higher level (i.e 24th, 39th, 54th mts).

(15). The first aid fire fighting equipments should be provided at all floors in accordance with the IS 2190: 1992 requirements

(16). Electrical Installation and Wiring & Service Ducts should meet the requirements of NBC of India, Part 4, Second Revision 2005.

(17). The width and height of any arch or gate, if any, should have the clearance of not less than 4.5 m and 5 m respectively.

(18). The compulsory open space of 7m. all around the building should be designed to with stand a weight of 45 tons at any point of operation for the use of Hydraulic platform vehicle.

(19). Separate Parking facilities provision should be made for parking of vehicles. At any cost side set back area should not be used for parking of vehicles.

(20). The Service ducts such as Power cables, Communication cables, A/C ducts etc. should be protected with proper fire sealing / fire dampers.

(21). The fire dampers should be located at air conditioned ducts for check the spread of heat , flame, smoke and gases.

(22). The Cable gallery should be routed through fire resistant duct or fire protected tray.

(23). Fire Resistant and Low Smoke Emission Cable should be used.

(24). A trained Fire Officer with a crew should routed through fire resistance duct or fire protected tray.

(25). The fire protection systems provided in the building should be approved by the competent authority/certified by any notified bodies

(26). During construction of the building the following fire protection measures should be provided in good working condition:

(i). Dry raiser of minimum 100 mm diameter pipe with hydrant outlets on the floors constructed with a fire service inlet to boost the water in the riser from fire service pumps.

(ii). Drums filled with water of 2000 liters capacity with two fire buckets on Each floor.

(iii). A water storage tank of minimum 20000 liters capacity, which may be used for other construction purposes also.

The MSB Inspection Committee has recommended for issue of NOC subject to fulfillment of the above conditions.

2. In view of the above, NOC is issued on Fire Service point of view to accord Planning Permission to the above said proposed building subject to fulfillment of the above conditions, as recommended by the MSB committee. After completion of this project, Fire Licence should be obtained to ensure the fire safety measures.

for Director,
Fire and Rescue Services,
Tamil Nadu.

17/12/13 17/12/13 17/12/13

Copy to.
The Deputy Director,
North Western Region, Vellore.

C.B. 17.12.



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