

**GOVERNMENT OF WEST BENGAL**  
**OFFICE OF THE DIRECTOR GENERAL**  
**WEST BENGAL FIRE & EMERGENCY SERVICES**  
**13-D, Mirza Ghalib Street, Kolkata - 700 016**

Memo No. : WBFES/ 7282 /17 / Kol/RB/974/17 (974/17)

Date: 14.09.17

From : Divisional Fire Officer,  
Fire Prevention Wing  
West Bengal Fire & Emergency Services

To : The Authorised Signatory  
For - Utsav Vinimay (P) Ltd & Ors.  
Utsav Vinimay Pvt. Ltd.  
14, N. S. Road, 4th Floor,  
Kolkata - 700 001



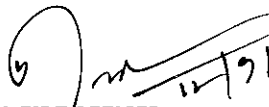
Sub : Fire Safety Recommendation for proposed 2 (Two) nos. G+V storied under group Residential Building over a common Basement at the premises no. - AS/8/07/08/05, Block - B under Bidhannagar Municipal Corporation, Ward No. - 05, Mouza - Dashadrone, CS Dag No. - 201, RS Dag No. - 209, LR Dag No. - 209, JL No. - 04, Khatian No. - 2957, 2956, 2955, 2954, 2953, 2952, 2951, 2950, 2949, 2948, 2947, 2946, LR Khatian No. - 2788, P. O. - R. Gopalpur, P. S. - Airport, Dist. - 24 Pgs. (N), Kolkata - 700 136.

This is in reference to your letter No. - Nil dated 04/07/2017 regarding Fire Safety measures for proposed 2 (Two) nos. G+V storied under group Residential Building over a common Basement at the premises no. - AS/8/07/08/05, Block - B under Bidhannagar Municipal Corporation, Ward No. - 05, Mouza - Dashadrone, CS Dag No. - 201, RS Dag No. - 209, LR Dag No. - 209, JL No. - 04, Khatian No. - 2957, 2956, 2955, 2954, 2953, 2952, 2951, 2950, 2949, 2948, 2947, 2946, LR Khatian No. - 2788, P. O. - R. Gopalpur, P. S. - Airport, Dist. - 24 Pgs. (N), Kolkata - 700 136.

The plan drawings submitted by you were scrutinized and marked as found necessary from fire safety point of view. In returning one set of plan with recommendation, this office is issuing Fire Safety Recommendation in favour of the aforesaid building subject to the compliance of the following fire safety measures.

Enclo. :

1. One set of plan.
2. Recommendation

  
DIVISIONAL FIRE OFFICER  
FIRE PREVENTION WING  
WEST BENGAL FIRE & EMERGENCY SERVICES

## RECOMMENDATION

### A. CONSTRUCTION:

1. The whole construction of the existing building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body.
2. The floor area exceeds 750m<sup>2</sup> shall be suitably compartmented by separation walls up to ceiling level having at least two hours Fire resisting capacity.
3. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
4. Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

### B. OPEN SPACE & APPROACH:

1. The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliance with turning facility.
2. The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45 M.T.
3. The width and height of the access gates into the premises shall not be less than 4.5 - 5 M respecting abutting the road.

### C. STAIRCASE:

1. The staircase of the building shall be enclosed type. Entire construction shall be made of bricks / R.C.C. type having Fire resisting capacity not less than 4 hours.
2. The staircase of the building wall of the building, Lighting arrangement and automatic smoke venting arrangement shall be provided as per NBC-Part-IV & relevant I.S. Specification.
3. The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules and well as rules.
4. The staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.

### D. LIFT:

The walls of the lift enclosure shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.

### E. BASEMENT:

1. The Basement shall be adequately ventilated with aggregate area of not less than 2.5% of the area spread evenly round the perimeter of the basement shall be provided in the form of grills.
2. Mechanical smoke venting arrangements shall be provided to all the basements conforming the I.S. Specification.
3. All the basement shall be protected with Automatic Sprinkler System conforming to I.S. 3844-1989.
4. Mechanical extractors shall have an alternative source of supply.



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**F. FIRE FIGHTING WATER:**

Underground water reservoir having water capacity at 50,000 ltrs. and overhead water reservoir (for each building) of 25,000 ltrs for exclusively for Firefighting purpose with replenishing arrangements @ 1000 lts./min. Preferably from two different sources of water supply shall be provided. The water reservoir shall have overflow arrangement with the domestic water reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full at all time.

**G. HYDRANT SYSTEM:**

- 1 The each building shall be provided with Down comer along with hose reel hose connected to terrace tank through the terrace pump 900 LPM capacity and one same capacitated stand-by pump and provided one 100mm. internal diameter Pipe Line for with provision of landing valves at the Staircase landings / half landings at the rate of one such down comer for 1000 Sq. m. of floor area. The system shall be so designed that shall be kept charged with Water all the time under pressure and shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 - 1989.
- 2 Yard Hydrant / Ring Main Hydrant with provision of two numbers Hydrant With one number Fire Service Inlet shall be installed the building in accordance with relevant I.S. specification.
- 3 Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R. full at all time.

**H. SPRINKLER SYSTEM:**

The automatic Sprinkler installation shall be provided in the all floor corridor areas and Basement area of the building as per I.S. 9972 and Alarm gang to be incorporated along with the sprinkler system.

**I. ELECTRICAL INSTALLATION & DISTRIBUTION:**

- 1 The electrical installation including transformers, Switch Gears, Main & Meters etc. and the distribution system of the premises shall be made satisfying the code of practice for Fire safety in general building as laid down in I.S. specification 1946 - 1982.
- 2 The vertical & horizontal ducts shall be sealed at all floor level by fire resisting materials.
- 3 The electrical installation shall be adequately protected with CO<sub>2</sub>/D.C.P. Fire Extinguishers.
- 4 **Alternative Power Supply :**

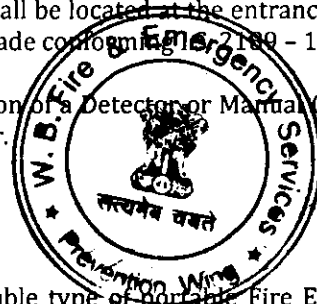
Arrangements shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Pump for deep Tube-well, Fire Alarm System, etc. and also for illuminating the Staircase, corridors etc. and other places of assembly of the building in case of normal power failure.

**J. DETECTION AND ALARM SYSTEM:**

1. Manually operated Electrical Fire Alarm system with at least three numbers of break glass type call boxes fitted with Hooters along with public address system, at each floor connecting with audio-visual panel board shall be made in Control Room. The Control Room shall be located at the entrance of Ground Floor of the building, other requirements of the system shall be made conforming I.S. 2189 - 1988.
2. Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.

**K. FIRST AID FIRE FIGHTING SYSTEM:**

First Aid firefighting arrangement in the style of placing suitable type of portable Fire Extinguishers, Fire Buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190 - 1992.



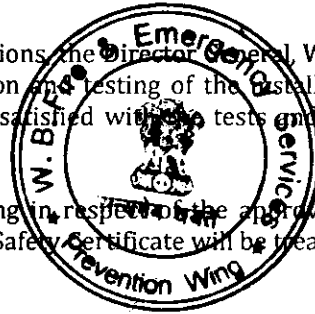
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L. GENERAL RECOMMENDATIONS:

- 1 Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.
- 2 Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
- 3 Floor numbers and directional sign of escape route shall be displayed prominently.
- 4 The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.
- 5 Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working conditions at all times.
- 6 A crew of trained Firemen under experienced officer shall be maintained round the clock for safety of the building.
- 7 Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- 8 Each year a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.

On compliance of all the above Fire and Life safety recommendations, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation, Fire Safety Certificate in favour of the occupancy shall be issued on being satisfied with the tests and performances of safety aspects of installation of the building.

N.B.: Any deviation and changes the nature of use of the building in respect of the approved plan drawing, without obtaining prior permission from this office, this Fire Safety Certificate will be treated as cancelled.



*[Handwritten signature]*  
12/9/17

DIVISIONAL FIRE OFFICER  
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