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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/7253/16/24 Pgs.(S) - RB/1225/16(1225/16) Date: 09/11/16

From : The Director(In-charge),  
Fire Prevention Wing  
West Bengal Fire & Emergency Services

To : The Authorised Signatory  
M/S Nortech Property Pvt. Ltd. & Others  
27, Balaka; Street No.- 12  
KM.C. Ward No.- 142,  
P.S.- Haridevpur;  
District- 24 Pgs.(S)



**Subject :** Fire Safety Recommendation for proposed construction of 2 nos. Block of G + IV storied under group Residential Building at Premises No.- 27, Balaka Street No.- 12; Touzi No.- 1 to 6,12 to 16; J.L. No.- 31; KM.C. Ward No.- 142 Mouza- Ramchandrapur; P.S.- Haridevpur; District- 24 Pgs.(S).

This is in reference to your letter No – Nil Dated - 26.09.2016 regarding Fire Safety recommendation for proposed construction of 2 nos. Block of G + IV storied under group Residential Building at Premises No.- 27, Balaka; Street No.- 12; Touzi No.- 1 to 6,12 to 16; J.L. No.- 31; KM.C. Ward No.- 142; Mouza- Ramchandrapur; P.S.- Haridevpur; District- 24 Pgs.(S). for Fire Safety measures.

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 buildings subject to the compliance of the following fire safety measure.

Enclo. :

1. One set of plan.
2. Recommendation.

Director (In-Charge) 08/11/16  
Fire Prevention Wing  
West Bengal Fire & Emergency Services

NORTECH PROPERTY PRIVATE LIMITED

Authorized Signatory



## RECOMMENDATION

### A. CONSTRUCTION :

1. The whole construction of the proposed buildings shall be carried out as per approved plan drawings conforming the relevant building rules Kolkata Municipal Corporation.
2. The floor area exceeds 750 Sq.Mts. 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 buildings shall be made low flame spread materials conforming I.S. specifications.
4. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
5. Arrangements shall have to be made for sealing all the ducts by the materials of adequate Fire resisting capacity.

### B. OPEN SPACE & APPROACH :

1. The open space surrounding the buildings 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 Mts. and 5 Mts 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 shall have permanent vents at the top and openable sashes at each floor level in the external wall of the building.
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 with up to date amendment.
4. Staircase shall be extended up to the terrace of the buildings and shall be negotiable to each other without entering into any room.

### D. FIRE FIGHTING WATER :

Underground water reservoir having water capacity at 50,000 Ltrs. capacity exclusively for Fire Fighting purpose with replenishing arrangement @ 1000 Ltrs./Min. preferably from two different sources of water supply shall be provided. The Fire 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.

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### **HYDRANT SYSTEM :**

1. The system shall be so designed that be kept charged with Water all the time under pressure and capable to discharge 1620 Ltrs./Min. at the ground floor level outlet and minimum 900 Ltrs./Min. at the top most outlet. In both cases the running pressure shall not be less than 3.5 Kgs./Sq.cm. All other requirements shall conform I.S. 3844-1989.
2. Provision of standard Hose Reel Hose in conjunction with Wet Riser supplied from the underground water reservoir shall have to be made in all the floor area of the buildings satisfied the code I.S. 3844-1989.
3. Yard Hydrant/Ring Main Hydrant with provision of adequate numbers Hydrant along with one no. 3 way Fire Service inlet shall be installed surrounding the buildings in accordance with relevant I.S. specification.

### **F. 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 the I.S. specification 1946-1982.
2. The vertical ducts shall be supply sealed at all floor level.
3. The electrical installation shall be adequately protected with CO2/D.C.P.
4. Alternative Power Supply :  
Arrangements shall have to be made to supply power with help of a generator to operate at least the Fire Pump, Pump for deep Tube-well, Fire Alarm System, Fire Lift etc. and also for illuminating the Staircase, Corridors etc. and other places of assembly of the building incase of normal power failure.

### **G. DETECTION, ALARM AND SUPPRESSION SYSTEM :**

1. Manually operated Electrical Fire Alarm System of break glass type call boxes fitted with Hooters along with public address system, 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 Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.
3. Public Address System :  
Public Address System linked between all floors and Control Room shall have to be established.

### **H. FIRST AID FIRE FIGHTING SYSTEM :**

First Aid Fire Fighting 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.

### **I. 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. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of the building.

On compliance of all the above Fire 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 buildings.

After obtaining Fire Safety Certificate each year a certificate is to be obtained from the **Director General, West Bengal Fire & Emergency Services** certifying about the satisfactory services, performances of all Fire Safety arrangements and installation of the building.

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



*[Signature]*  
DIRECTOR(In-Charge) 08/11/16  
FIRE PREVENTION WING  
WEST BENGAL FIRE & EMERGENCY SERVICES

NORTECH PROPERTY PRIVATE LIMITED

*[Signature]*  
Authorized Signatory