

PAL (15)

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

Memo. No : WBFESI/171 /kol/RB/1489/14 (1489/14) Date: 9/1/15

From : Director in charge (Fire Prevention)  
West Bengal Fire & Emergency Services.

To: Arindam Ghosh,  
Architect,  
Geometrics,  
4B, Synergy Building  
Rajachal, Kolkata 700102

Sub : Demand Notice under Section.11C of WBFS Act.1950 as amended for issue of Fire Safety recommendation for the Premises No. 296, Banga Road, Kolkata 700017

With reference to the building application submitted in respect to the above proposed this is to inform you that the building permit along with the sanctioned plan will be issue subject to the payment of fee amounting Rs. 10,000/- you are hereby requested to remit the above amount within three months from the date of issuance of Demand Notice.

Total Floor Area (in Sq. mtr.)	2543.94 m <sup>2</sup>
Ground Floor Area (in Sq. mtr.)	323.11 m <sup>2</sup>
Total Additional Floor Area	
Primary Group of Occupancy	Residential cum Mercantile Building
Abutting Road Width	18.59 mts.
Amount in words	Rupees Ten Thousand only

Mode of Payment :  
Treasury Challan drawn in favour of "0070-other Administrative Services-60-109-Fire Protection and Control-001-fees under the West Bengal Fire Services Act-14-Service Fees" (A/C's Code : 0070-60-109-001-14) to be deposit in Treasury/RBI.

The Treasury/RBI challan receipt (In Original) should be submitted in this Office. On receipt, of the Fire Safety recommendation will be issued.

*[Signature]*  
7/1/15  
DIRECTOR in-charge Fire Prevention  
WEST BENGAL FIRE & EMERGENCY SERVICES.

**T. R. FORM No. 7**

[See Sub-rule (2) (b) of T. R. 3.06]

**Challan for Deposit of money in the account of GOVERNMENT OF WEST BENGAL**

1. Name of the Bank & Branch: R. B. I.

2. (a) Name of the Treasury: 100

(b) Treasury Code: 

<u>C</u>	<u>A</u>	<u>C</u>
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3. Account Code: 

<u>0</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>6</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>9</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>4</u>
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(14-Digits must be filled up properly)

4. Detail Head of Account:

5. (a) Amount: Rs. 

<u>10,000/-</u>
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(b) In Words: Rupees Ten thousand only.

6. By whom tendered-Name & Address: W. B. Fire & Emergency Service.  
13A, Mirza Ghalib Street, Kolkata 700016.

7. Name Designation & Address of the Departmental Officer on whose behalf favour money is paid:  
Arindam Ghosh, Architect, Geometries.  
for 296, Darga Road, Kolkata. 700017.

8. (a) Particulars and Authority of Deposit:

1\* (b) T.V. No. & Date of A.C. Bill:

9. Accounts Officer by whom adjustable: 469/ 4726 Accountant General (A&E), West Bengal

Verified

Signature of Departmental Treasury Officer  
Depositor's Signature

Date: 13/01/15

Accountant General (A&E), West Bengal

Reserve Bank of India, Kolkata

13 JAN 2015

Treasury Received Challan No. 10000

Received payment 10,000/- as per Bank Scroll Serial No. 13.1.15

Receipt by Bank Treasury 13/01/15  
Head Assistant (F. P. Wing)  
B. Fire & Emergency Services

Date:

Signature with seal of the Bank

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

Memo. No. : WBFES/365/15

/Kol/RB/1489/14 (1489/14) Date : 19.12.15

From : The Director in Charge,  
Fire Prevention Wing,  
West Bengal Fire & Emergency Services.

To : Arindam Ghosh,  
Architect,  
GEO Metrics,  
4-B, Synergy Building, Rajarhat,  
Kolkata-700 102.



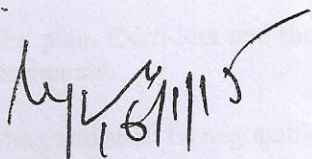
Sub : Fire Safety Recommendation for proposed construction of G+VII storied Under Group Residential Building at premises No.- 296, Darga Road, Kolkata-700 017.

This is in reference to your letter No. Nil dated 05.12.2014 regarding Fire Safety measure for proposed construction of G+VII storied Under Group Residential Building at premises No.- 296, Darga Road, Kolkata-700 017.

The plan drawing submitted by you was 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 measure.

Enclo. :

1. One set of plan.
2. Recommendation placed in this file.

  
DIRECTOR IN CHARGE  
FIRE PREVENTION WING  
WEST BENGAL FIRE & EMERGENCY SERVICES

## RECOMMENDATION

### A. CONSTRUCTION :

1. The whole construction of the proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body (Bidhannagar / Kolkata Municipal Corporation).
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. 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 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 :

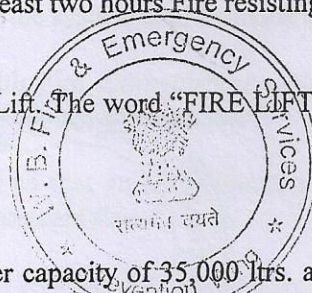
1. The staircase of the building shall be enclosed type. Entire construction shall be made of bricks / R.C.C. type having Fire resisting capacity not less than 4 hours.
2. The staircase of the building shall have permanent vents at the top and openable sashes at each floor level in the external wall 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 amendments.
4. All the staircase shall be extended up to terrace of the building and shall be negotiable to each floor.
5. Fire and smoke doors at the entrances of all the Staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least one hour Fire resisting wire glass window fitted with self-closing type openable in the direction of escape.

### D. LIFT :

1. The walls of the lift enclosure shall be at least two hours Fire resisting type.
2. Collapsible gate shall not be permitted.
3. One of the lift shall be designed for Fire Lift. The word "FIRE LIFT". Shall conspicuously written at ground floor.

### E. FIRE FIGHTING WATER :

Underground water reservoir having water capacity of 35,000 ltrs. and overhead reservoir of 25,000 ltrs. capacity exclusively for Fire fighting 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.

**F. HYDRANT SYSTEM :**

- 1 The building shall be provided with Wet Riser at 100mm. internal diameter Pipe Line with provision of landing valves at the Staircase landings / half landings at the rate of one such riser 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 capable to discharge 2400 lts/min. at the ground floor level outlet and minimum 900lts/min. at the top most outlet. In both cases the running pressure shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 – 1989.
- 2 Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level. Conforming the relevant I. S. Specifications.
- 3 Yard Hydrant/Ring Main Hydrant with provision of adequate numbers Hydrant shall be installed surrounding the building in accordance with relevant I.S. specifications.

**G. FIRE PUMP :**

Provision of the Fire Pump shall have to be made to supply water at the rate-designed pressure and discharge into the Water based system, which shall be installed in the building. One such pump shall always be kept as stand-by preferably be of diesel driven type.

Provision of Jockey Pump shall also have to be made to keep the Water based system under pressurized condition at all the time. All the pumps shall be incorporated with both manual and auto starting facilities. The suction of pumps shall preferably of positive type or in case of negative suction the system shall be wet riser-cum-down comer with suitable terrace pump with overhead tank.

**H. 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 ducts shall be supply sealed at alternative floor level.
- 3 The electrical installation shall be adequately protected with CO<sub>2</sub>/D.C.P.
- 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 incase of normal power failure.

**I. 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 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. The suppression system shall be made with Fire Extinguishers particularly in computer and electric processing and data room and in a room of irreplaceable articles.
3. 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.

**J. AIR CONDITIONING SYSTEM (If any) :**

1. The A.H.U. shall be separated for each floor with the system Air Ducts for individual floors.

2. Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Conditioning system.
3. The system of auto shut down of A.H.U. shall be incorporated with the auto detection and alarm system.
4. The air handling units room shall not be used for storage of any combustible materials.

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

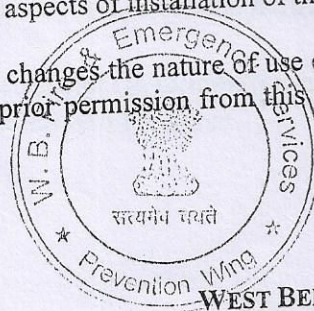
First Aid Fire fighting arrangement in the style of placing suitable type of portable Fire Extinguishers, Fire Buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190 - 1992.

**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 Disposable type B.A. Musk to be kept always for emergency fire situation.
- 3 Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
- 4 Floor numbers and directional sign of escape route shall be displayed prominently.
- 5 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.
- 6 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.
- 7 A crew of trained Fireman under the experienced Officer shall be maintained round the clock for safety of the building.
- 8 Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- 9 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 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 Recommendation will be treated as cancelled.



*[Handwritten Signature]*  
**DIRECTOR IN CHARGE**  
**FIRE PREVENTION WING**  
**WEST BENGAL FIRE & EMERGENCY SERVICES**