RESIDENTIAL BUILDING

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

Memo No. [illegible] 9 9 / 17 /Kol- RB/647/17 (647/17) Date: 26 - 09 - 17

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

To: A. K. Datt,
Constituted Attorney of
Sri Samir Kumar Mitra & 7 others,
182, Purbafulbagan & Fulbagan Road,
Kolkata – 700 020

Sub: Fire Safety Recommendation for proposed 3 nos. Block of G+IV storied Residential Building at premises No. 182, Purbafulbagan & Fulbagan Road, Kolkata – 700 086 under KMC.

This is in reference to your letter No. – Nil dated 05.05.2017 regarding Fire Safety measure for proposed 3 nos. Block of G+IV storied Residential Building at premises No. 182, Purbafulbagan & Fulbagan Road, Kolkata – 700 086 under KMC.

The plan 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 measures.

Enclo:
One set of plan
Recommendation

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

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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 (Kolkata Municipal Corporation).
2. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
3. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
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 4.5M – 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 other without entering into any room.

D. LIFT:

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

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E. FIRE FIGHTING WATER:

Underground water reservoir having water capacity at 50,000 ltrs. and overhead reservoir of 5,000 ltrs. capacity for each block 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 times.

F. HYDRANT SYSTEM:

1. The building shall be provided minimum Wet Riser at 150mm. 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 1620 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 3.5Kg/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 shall be installed adequate numbers 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 on 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 1945 – 1982.
2. The vertical ducts shall be supply sealed at alternative floor level.
3. The electrical installation shall be adequately protected with CO_2/D.C.P. Fire Extinguishers.

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

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the Staircase, corridors etc. and other places of assembly of the building incase of normal power failure.

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 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.

Public Address System:

Public address system linked between all floors and Control Room shall have to be established.

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 unit's room shall not be used for storage of any combustible materials.

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.

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.

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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 Fireman under the 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.

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

PARTY'S COPY

Before starting any Construction the site must conform with the plans sanctioned and all theconditions as proposed in the plan should be fulfilled.
The validity of the written permission to execute the work is subject to the above conditions.

A suitable pump has to be provided i.e. pumping unfiltered water for the distribution to the flushing cisterns and urinals in the building incase unfiltered water from street main is not available.

Non Commencement of Erection/ Re-Erection within Two Year will Require Fresh Application for Sanction.

Plan case no. 2017120063

THE KOLKATA MUNICIPAL CORPORATION
BUILDING PERMIT
No. 2018120002
Date 03.4.18 Borough No. XII
Ex Engineer / Asst. Engineer
Bor. No. XII Bor. No. XII
BUILDING DEPARTMENT

RESIDENTIAL BUILDING

All Building Materials to necessary & construction should conform's to standered specified in the National Building Code of India.

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction.

Approved By 07.12.2017
The Building Committee

The building materials that will be stacked on Road/Passage or Foot-path beyond 3-months or after construction of G. Floor, whichever is earlier may be seized forthwith by the K.M.C. at the cost and risk of the owner.

No rain water pipe should be fixed or discharged on Road or Footpath. Drainage plan should be submitted at the Borough Executive Engineer's Office and the sanction obtained before proceeding with the drainage work.

Design of all Structural Members including that of the foundation should conform to Standards specified in the National Building Code of India

THE SANCTION IS VALIED UP TO 02.04.2023

CONSTRUCTION SITE SHALL BE MAINTAINED TO PREVENT MOSQUITO BREEDING AS REQUIRED U/S 496 (1) & (2) OF CMC ACT 1980. IN SUCH MANNER SO THAT ALL WATER COLLECTION & PARTICULARLY LIFT WELLS, VATS, BASEMENT CURING SITES, OPEN RECEPTACLES ETC. MUST BE EMPITED COMPLETE TWICE A WEEK.

Plan for Water Supply arrangement including SEMI-U G. & O. H. reservoirs should be submitted at the Office of the Ex-Engineer Water Supply and the sanction obtained before proceeding with the work of Water Supply any deviation may lead to disconnection/demolition.

DEVIATION WOULD MEAN DEMOLITION

Sanctioned subject to demolition of existing structure to provide open space as per plan before construction is started

Executive Engineer (C) BR XII
Asst. Engineer (C) Br. PLAN XII

RESIDENTIAL BUILDING

Government of West Bengal
Office of the Competent Authority, ULC & S.D.O. Alipore, Sadar, 24 Parganas
New Treasury Building, 7th Floor, Alipore, Kolkata – 700 027.

Memo No. 597 /ULC/Alip/2017 Dated:- 16-08-2014

NO OBJECTION CERTIFICATE

[illegible]

Competent Authority, ULC
S.D.O. Alipore, Sadar, 24 Parganas(S)

Resolutions of MBC Meeting
Meeting No: 511 Meeting Date: 07/12/2017 Total No of Cases: 21

Borough: XII Ward: 101 Premises No: 182, Purba Fulbagan & Fulbagan Road

[illegible]

K.M.D.A. K.P. (TRAFFIC) W.B.F. & E.S.
PHED C.G.A. I.T.P.I. W.B.P.C.B.

Municipal Commissioner

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Government of West Bengal
Office of the Block Land & Land Reforms Officer,
Additional Thakurpukur, Metiabruz at Kasba
South End Conclave, 1582 Rajdanga Main Road,
Kolkata – 700107; Phone no.- 03324414128

Sub: Conversion Certificate
Ref: Your application praying for change of classification of land

Memo no. 17/ 2190 /Con Certificate/BL&LRO/ATM/Kasba/15 Date 06-05-2015

Schedule – I

Mouza with J.L. No.	R.S. Khatian	R.S. Plot	Area (Dec)	Present classification as per R.O.R	Conversion allowed for classification
Baidyanathpur J.L. No. – 31 P.S. – Jadavpur	243	287	2.40	Shali	Bastu (for commercial use)

Schedule – II
(Terms and conditions for conversion)

[illegible]

Collector u/s 4C of W.B.L.R Act 1955 & Block Land & Land Reforms Officer
Addl. T.M. Block at Kasba, South 24 Parganas

(Further Conversion Certificates, memo nos. 17/ 2191, 17/ 2192, 17/ 928, 17/ 929, 17/ 930, 17/ 931, dated 06-05-2015 and 13-2-15, each with Schedule – I: 243 | 287 | 2.40 or 7.20 | Shali | Bastu for Commercial use) [illegible]

RESIDENTIAL BUILDING