GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
14 B, Netaji Subhas Road, Kolkata - 700 001.

Memo No. / WBFES/ 4098/ Dated/WBFES/DFES Dtd.- 15/10/07

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

To : The Owners
Ms. Ganesh Housing Pvt. Ltd.
36, Chowringhee Avenue,
Kolkata-700013.

Sub : Fire Safety Recommendation for proposed composite of Block-A, Partly Residential (Service Apartment) & Partly Commercial (Office Space) Block-B, Partly Residential (Special Guest Apartment) Block-C, Two Storied Public Utility Building at premises No.- 185A, Dr. Suresh Chandra Banerjee Road, Kolkata-700010, P.S.- Beniapukur, Ward No.-58, Borough-III.

Ref : Your Application dtd. 25.09.07 (Online) seeking Fire Safety scrutiny for proposed construction of Block-A, Partly Residential (Service Apartment) & Partly Commercial (Office Space) Block-B, Partly Residential (Special Guest Apartment) Block-C, Two Storied Public Utility Building at premises No.- 185A, Dr. Suresh Chandra Banerjee Road, Kolkata-700010, P.S.- Beniapukur, Ward No.-58, Borough-III.

The plan drawing submitted by you was scrutinized and marked as Road necessary from fire 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.

Encls :
1. One set of plan.
2. Fee as per fire tariff.

Yours faithfully
Divisional Officer
For Director in Charge
Fire Prevention Wing,
West Bengal Fire & Emergency Services.

1. The Refge areas shall be of Fire resisting construction and protected with self-closing F.R.D. of the relevant Fire Rer certificate as minimum holding.
2. The portion of Refge areas shall be such so that they are reachable by the Fire Services Ladder from the Ground.

BEDDING :

1. The basement shall be adequately ventilated.
2. Additional revenue from the open yet as shown in the drawing shall be constructed beside the ramps conforming relevant B.Rs/ Guidelines.
3. The basement shall be protected with Auto Sprinkler system/ Co-ver and siamese etc.
4. Mechanical extractor for Smoke Venting system from basement/ upper basement levels shall also be provided. The system shall be of such design as to operate on activation of Sprinkler/ smoke detector/ manual call point. Electrical wiring shall be of Fire Resistant type.
5. Mechanical extractors shall have an alternative source of supply.

FIRE FIGHTING SYSTEM :

Underground water reservoir having water capacity of 125,000 lits. and overhead reservoir of 50,000 lits. capacity shall be provided. The Fire Pump House shall be provided with 2 (two) Fire Pumps of equal capacity with capacitating arrangement @ 1800 lits/min. Preferably from two different sources of water supply shall be made available. The Fire Pump House shall be provided with 2 (two) nos. of suitable domestic water reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full all time.

HYDRANT SYSTEM :

Hydrant System is to be provided with Wet Riser at 125mm. Internal diameter Pipe Line with provision of Hydrant System at the Staircase landings/ Half landings at the rate of one hydrant for 1000 Sq.ft. of floor area. The system shall be so designed that shall be kept charged with Water all the time under pressure of not less than 3.5 kg/sq.cm. at the topmost hydrant. The Pump House shall be provided with Siffoncing or in the open mode. In both cases the starting pressure shall be not less than 7.5kg/sq.cm. All other requirements shall conform I.S. 3844 : 1989.

1. One Riser should be installed inside inside the premise, of the building nearby Fire Block B.
2. Provision of standard Hose Reel Unit supplied from the overhead or underground reservoir through Hydrant Pump should be made in all the floor of the building satisfy the code of I.S. 3844 1989.

SPRINKLER INSTALLATION :

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

HOSE REEL :

Provision of the Fire Pump shall have to be made to supply water at the site-desired pressure and discharge from the Water hand screen, which shall be installed in the building. One each pump shall always be kept as exactly preferably for all diesel driven type.

A Separate Fire pump shall preferably be made for the Sprinkler installation of the Building. Provision of Fire Pump House shall be made in the Ground Floor of the building in a separate room of convenient condition as all the time. All the pumps shall be incorporated with both manual and auto

2. The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and be active in the event of Fire and Fire Fighting.
3. Arrangement and maintenance of Fire Fighting and proper maintenance of all the Fire Safety equipments and systems installed in the building is to be done in authentic good working condition at all times.
4. A cover of Central Fire Alarm shall be maintained round the clock for safety of the building.
5. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
6. Each year a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services, certifying the installation, maintenance, performance of all the Life and Fire Safety arrangements and installations of the building.

On compliance of all the above Fire safety recommendations, the Director General, West Bengal Fire & Emergency Services may issue a certificate to the effect that the building is fire safe. Thereafter, the Fire Safety Services in respect of the occupancy shall be based on being satisfied with the state and performance of safety aspects of installation of the building.

N.B.:- Any deviation and changes in nature of use of the building in respect of the approved plan drawing, without obtaining prior permission from this office, may lead to withdrawal of recommendation will be treated as unlawful.

Yours faithfully
Divisional Officer
For Director in Charge
West Bengal Fire & Emergency Services

RECOMMENDATION

A. CONNECTION :

1. The whole connection of the proposed building shall be carried out as per approved plan drawing conforming the relevant building rules of local Municipal Body (Bidhannagar / Kolkata Municipal Corporation).
2. The fire exit accesses (Gali/ Gali) the suitable compartments by separation walls up to ceiling level having at least two hours Fire resisting capacity.
3. The exterior finish dimension of the building shall be made from Fire retard materials conforming I.S. specifications.
4. Provision of ventilator at the crown of the narrow non-deep of the building shall be provided.
5. Arrangements shall have to be made for ending all the vertical shafts by the materials of adequate Fire resisting capacity.

B. DISTANCE & 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 weighing up to 22 tons.
3. The width and height of the access gate into the premises shall not be less than 4.5 / 3.50 respectively for easy access.

C. MAGAZINE :

1. The premises 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 operable jambs at each floor level conforming relevant B.Rs/ Guidelines.
3. The width of the staircases shall be made as marked in the plan. Corridors and Gali and doors shall conforming the relevant building rules with up-to-date amendments.
4. All the staircases 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. Door D.D. shall be of 2 hours and door leaf Fire resisting wire glass window shall be provided with Fire Door Closer and Door stopper.

D. LIFT :

1. The walls of the lift staircases 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 at the door of the lift.
3. Lift and Lift Lobby connections to the basement shall there to be pressurized as per guide line of I.S.S.O. 10, Annex 'E'.

E. INTERNAL :

1. Refge area is not less than 15 feet. Shall be provided in the nominal wall with auxiliary protective Fire resistant screen of 24" or 12 Thk. F.R.Wa. Refge beside of the building as shown in the drawings.

waiting facilities. The number of person shall preliminly of positive type or in case of original source the system shall be one case cum-three source with suitable access gang with overhead hatch.

G. ELECTRICAL INSTALLATION & PROTECTION :

1. The electrical installation including transformer, Switch Gears, Mains & Sources etc. and the distribution system of the premises shall be kept and fitting in the case of emergency for Fire service in accordance with the relevant Indian Standard Specifications.
2. The vertical drain shall be supply needed at alternative floor level.
3. The electrical installation shall be adequately protected with CO2/D.C.P.

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, Fire Lift, Lighting of the Staircase, Lobby, Refge area, Fire Alarm System, Sprinkler Installation, and other places of necessity of the building in case of normal power failure.

H. OUTBOUNDS LIGHTS & LIGHT PROTECTION :

1. Adequately protected Electrical Fire Alarm system with at least three numbers of bonds glass hydrant boxes fitted with Hooters along with priority address system, as mentioned in the relevant Indian Standard Specifications shall be provided in the premises. The Fire Alarm system shall be installed at Ground Floor of the building, other requirements of the system shall be made conforming I.S. 2189 : 1988.
2. For evacuation system shall be made with Fire Extinguisher in category and electric processing and does not exceed a cross of requisite in articles.
3. Heater will be mounted in such a manner so that on operation of a Detector or Manual Call Point Siamese will connected to the same floor and immediate adjacent floor.

I. AIR CONDITIONING SYSTEM (IF HAVE) :

1. The A.H.U. shall be connected for main floor with the system it's Ducts for individual floors.
2. Arrangement shall be made for Inlets at the strategic locations by incorporating non dampers in the Air Conditioning system.
3. The system of main shut down of A.H.U. shall be incorporated with the main detection and alarm system.
4. Metal handling units room shall made and the storage of any combustible materials.

J. FIRST AID FIRE FIGHTING EQUIPMENT :

Fire Kit Fire Fighting arrangement to be in the of placing suitable type of portable Fire Extinguisher, Fire Buckets, Fire Hydrant Hoses and Hydrants locations of the premises shall be made in accordance with I.S. 2190 : 1992.

K. GENERAL RECOMMENDATIONS :

1. Fire Licence shall have to be obtained for proposed boiling and processing with L.P.G. and other highly combustible gas.
2. Provision of P.A. Mask is 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 conspicuous places of the building.
4. Floor numbers and directional sign of escape route shall be displayed prominently.

PARTY'S COPY

Plan for Water Supply arrangement including SEMILI 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.

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.

The sanction refers to the proposed portion shown in red and the Executive Engineers makes no admission as to the correctness of the plan.

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

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.

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.

"Provision for use of solar energy in the form of solar heater and/or solar photo-colles shall be provided as required under Rule 147 of Building Rules, 2009 and completion certificate will not be issued in case of building without having such provision"

THE KOLKATA MUNICIPAL CORPORATION
BUILDING PERMIT
No. 2018030064
Date 27/12/18 Borough No. III
by Ex. Engineer / Asst. Engineer
Bor. No. III Bor. No. III
BUILDING DEPARTMENT

No approval by MEE
vide letter no. 1-2-5
dt- 18/03/19

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

Approved subject to Compliance of requisition of West Bengal Fire Services. If any.

THE SANCTION IS VALIED UP TO 27/12/2020

Recommended In M. B. G.
Meeting No. 509
Item No. 12 & 26 of 6
Dated 26/12/2018

DEVIATION WOULD MEAN DEMOLITION

APPROVED BY
Dated

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

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

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

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 COMPLETELY TWICE A WEEK.

Sanctioned subject to demolition of existing structure to provide open space as per plan before construction is started
Dy.C.E. Executive Engineer (C) Bir. III
Asst. Engineer (C) Br. PLAN III

RESIDENTIAL BUILDING

Building Department
Borough-III, K.M.C.
Date.....Sign.....
Contents Not Verified