Government Of West Bengal
Office Of The Director General
West Bengal Fire & Emergency Services
13D, Mirza Ghalib Street, Kolkata - 16

Memo no.:FSR/0125186218700753 Date: 11-10-2021

From:
Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services

To: TAPAJYOTI CONSTRUCTION PRIVATE LIMITED
1 MAHATMA GANDHI ROAD KOLKATA-700104

Sub: Fire Safety Recommendation in respect of proposed 2B+G+XVIII (Front Block) & B+G+VII (Rear Block) storied under group Residential Building at premises no.: 1, Mahatma Gandhi Road, ward no. 143, Brough: XVI, PS: Thakurpukur, Kolkata: 700104

This is in reference to your application no. 0125186218700753 dated 24-08-2021 regarding the Fire Safety Recommendation in respect of proposed 2B+G+XVIII (Front Block) & B+G+VII (Rear Block) storied under group Residential Building at premises no.: 1, Mahatma Gandhi Road, ward no. 143, Brough: XVI, PS: Thakurpukur, Kolkata: 700104

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 is issuing Fire Safety Recommendation in favor of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:

A)Construction part:
i)The entire construction shall be made as per the approved plan drawing.
ii)All the compartment walls up to ceiling level having at least four hours fire resisting capacity.
iii)All construction materials should be of two hrs. fire resisting capacity.
iv)Doors and windows should be of at least two hrs. fire resisting type.
v)Provision of ventilation of the central core duct shall be provided.
vi)The interior finish decoration of the building shall be made low flame spread materials conforming IS specification.
v)The roads and Side Open Spaces are to be minimum 45 MT withstand capacity.
B)Open space & approach:-
i)The approach roads shall be sufficient to permit the accessibility and maneuverability of fire appliance to turning facility and to be strong enough to withstand the load of fire engine.
ii)The width and height of the access gate into the premises shall not be less than 4.5 meters 5 meters respectively

Page : 1

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E)Pressurised Firefighting Shaft:
Pressurised firefighting shaft shall be provided as per the approved plan drawing. Pressurisation level shall be maintained 25-30 Pa for lift lobby and 50 Pa for stair lobby area. Fire Duct shall be provided in the lift lobby area.
F)Means of escape:
i)The emergency exit shall not be allowed to lock and key round the clock.
ii) The walls of the lift enclosure shall be at least two hours fire resisting type. Collapsible gate shall not be permitted.
iii)Arrangement shall be made to achieve the Time of evacuation as per IS: 1644-1988.
G)Electrical installation.
i)All electrical installation should be done in accordance with National Electrical Code and Part- VIII "Building Services" Section-2 "Electrical installation" good practice[4(10)]
ii)All cables should be FRLS type and all wiring along with appropriate gauge and resistance conforming the machineries to be used.
ii)Electrical installation should be tested by the licensed electricians periodically.
iii)All electrical installations e.g. Transformer room, DG area, panel etc. shall be protected with MVWSP or DCP modular type Fire extinguisher(s).

H)Fire fighting water.
The building shall be provided with centralized 2,00,000 liters capacity of underground water reservoir and 10,000 ltrs. OHWR (on eac block) with replenishing arrangement @ 1000 liters per minutes. The underground water reservoir location shall be such so that fire service vehicle may get access and draw water from the said reservoir.
I)Small gears: IS:903-1993.-
Hose box, 15 meter length permoline delivery hose, gunmetal short branch of half inch dia. one set at each pillar hydrants should be installed.
J)External Hydrant System: - IS-13039:1991-
The whole area of the building is to be protected by adequate no. of pillar type hydrants system or Ring Main Hydrant (at 150 mm internal dia. Pipe line) i.e. one pillar hydrant per 1000 sq. meter of area or as per the vulnerability of the place.

K)Internal Hydrant (Wet Riser) System IS-3844:1989.-
The buildings shall be provided with Wet Riser of 150 mm internal diameter pipeline with provision of landing valves at the staircase landings/ half landings at the rate of one such riser for 1000 Sq.mtr. of floor area. The system shall be so designed that kept charged with water at the time under pressure and capable of discharge minimum 900 ltrs./ min. at the top most furthest outlet. In both cases the running pressure shall not be less than 3.5 kgs./ Sq.mtr. at the terrace level. All other requirement shall conform I.S. 3844-1989.
L)Hose reel system(IS.844-1985):
The building should be equipped with Hose Reel Hose system as per IS code of practice. The internal dia. of the said hose reel shall be 19 mm to 32 mm and the discharge capacity not less than 22.5 LPM. While the length of the hose reel not

Page : 2

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Proposal:
This is a proposal for addition of new front block (2B+G+XVIII) storied residential building ...

Name of Architect: Somak Guha, CA/92/11663
Name of ESE: Bilock Bikash Mullick, I/75
Name of ESE: Koushik Sengupta, I/76/5
Name of GTE: Siddhartha Nath, I/26
Name of Applicant: Tapajyoti Construction Pvt Ltd
Total existing Floor Area: 5556.519 Sq.M.
Total Proposed Gross Floor Area: 11975.596 Sq.M., Exempted Area: 1320.782 Sq.M.

Previous Sanction Plan: B.P. No 2019160022 dated 23/04/2019 u/s 393A of KMC Act 1980 of 07 nos block of G+VII storied residential building.

NOC/Observation: ULC&R) Act 1976 (no 5223/ULC/Alip/2015 dated 15/01/2016), WBF&ES (vide no. FSR/0125186218700753 dated 14/10/2021), AAI NOC ID: BEHA/EAST/B/120720/514299, dated 04/01/2021, Valid upto: 02/01/2029, Site Elevation AMSL 9.98 and Permissible Top Elevation: 79.98 meter.) Conversion certificate: 51(C) /25/1665/P/14, dated: 19/03/2015, Sali to Housing Complex.

Resolution:
The plan proposal has been examined in the Building Committee in detail.
The proposal is recommended for sanction subject to compliance of departmental requisition and departmental circulars. Area is to be rechecked and to be corrected before demand.
There is no violation of Building Rules as such

K. M. D. A.	K. P. (TRAFFIC)	W.B.F. & E.S.
MED	Architect	Town Planner W.B.P.C.B.

MMIC(Building)/ Hon'ble Mayor
Above Recommendation of MBC requires approval of MMIC(Building)/ Hon'ble Mayor, KMC in order to enable this department to process the plan case for sanction.

Director General (Building) — FIRHAD HAKIM, MAYOR, THE KOLKATA MUNICIPAL CORPORATION — Municipal Commissioner

Signature valid
Director
West Bengal Fire & Emergency Services

Page : 4

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CHECKED AND VERIFIED
A.E.(C)/S.A.E.(C)
XVI XVI

O)Detection and Alarm System:
1.Sufficient addressable smoke detectors shall be installed covering all floors integrated with auto fire alarm panel ...
2.Manual call point incorporating with sounders shall be installed in all floor area of the building in such a manner that maximum travel distance shall not be more than 22.5 meters, in order to reach any of the call point.
P)Automatic Smoke Management system:
Automatic smoke venting system by installing electrical/ mechanical smoke extractor(s) and jet fans in adequate nos. and required capacity to achieve 12 air changes per hour shall be made for all basement area. The system shall be actuated automatically with actuation of detection/ sprinkler system and integrated with auto fire alarm panel.

Q)First Aid Fire Fighting System:-
First Aid Fire fighting arrangement in the style of placing suitable type of portable fire extinguisher. Fire buckets etc. in all floors and vulnerable locations (e.g. pump house etc.) of the premises shall be made in accordance with IS 2190-1992
O)Alternative power supply.
Arrangement shall have to be made to supply power with the help of a generator to operate the fire pumps, fire alarm system and also for illumination in case of normal power failure. Separate circuit in a separate conduit for fire pumps, emergency lighting arrangement, detection system etc. shall be ensured.

General recommendation:-

1.Fire License shall have to be obtained for proposed storage and processing of L.P.G. and other combustible articles, if any.
2.Fire notice for fire fighting and evacuation from the building shall be prepared and to be displayed at all vulnerable places.
3.Floor numbers and directional sign of escape route shall be displayed prominently.
4.The employees/occupants and security staff shall be well conversant with the 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 good working condition at all times.
6.Mock fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
7.A certificate is to be obtained triennially 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.

Page : 3

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(10)

PARTY'S COPY

5th AND 6th FLOOR FRONT BLOCK

DEVIATION WOULD MEAN DEMOLITION

RESIDENTIAL BUILDING

"CONSTRUCTION SITE SHALL BE MAINTAINED TO PREVENT MOSQUITO BREEDING AS REQUIRED U/S 496(1) & (2) OF CMC ACT1980, IN SUCH MANNER SO THAT ALL WATER COLLECTIONS PARTICULARLY LIFE WELLS, VATS, BASEMENT SURING SITES OPEN RECEPTACLES ETC AS EMPITED COMPLETELY TWICE & WEAK"

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

CONSTRUCTION SITE SHALL BE MAINTAINED FREE FROM AIR POLLUTION ACCORDING TO UNDERTAKING SUBMITTED AS PER AMENDMENT DT. 31.01.2019 VIDE NO. 95/MA/O/C-4/3R-7/2017 OF SCHEDULE-IV OF KMC BUILDING RULE 2009

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

Non Commencement of Erection/ Re-Erection within Five year will Require Fresh Application for Sanction

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.

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

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.

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