



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

Memo no.:FSR/0225186248700119

Date: 03-05-2024

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

**To: LILY SAMANTA DIRECTOR OF VIBHA REALCON PRIVATE LIMITED CA OF DIPAK KORURI AND RAJAT
KORURI
008,54,RAJA RAJ BALLAV STREET**

**Sub: Fire Safety Recommendation of a proposed G+VI storied under group Residential Building at the premises
no. 54, Raja Raj Ballav street, KMC ward-008, Borough -I, P.S- Shyampukur, Kolkata-700003.**

Application Reference : KMC (CAF-2023010178) received on 31-01-2024 regarding the Fire Safety Recommendation of a proposed G+VI storied under group Residential Building at the premises no. 54, Raja Raj Ballav street, KMC ward-008, Borough -I, P.S- Shyampukur, Kolkata-700003.

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:

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 and shall remain same as per approved plan and shall never be altered without prior approval of this Department.
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming relevant I.S. specifications.
- 3.Ventilation for the entire occupancy shall be maintained as per provision of NBC, Part-4, 2016.
- 4.Arrangements shall have to be made for sealing of all the vertical & horizontal ducts by the materials of adequate Fire resisting capacity.
- 5.Roofs shall be kept open for all time.

OPEN SPACE & APPROACH:

- 1.The open spaces surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire Appliances with turning facility.
- 2.The approach road and internal drive way shall be sufficiently strong to withstand the load of Fire Engine weighing up to

45 M.T.

3. The width and height of the access gates in to the premises shall not be less than 4.5 M and 5 M respecting abutting the road.

4. Entry / Exit and Drive way shall be free from any type of obstruction. All the Passage way shall be kept clear for free access.

STAIRCASE:

1) The staircase of the building shall be enclosed type. Entire construction shall be made of bricks/RCC 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 Staircase shall be made as shown in the plan drawing. Corridors and the exit doors shall conform the relevant building rules with up to date amendments.

4) All the staircases shall be extended upto terrace of the building and shall be negotiable to each other without entering into any room.

5) Fire and smoke doors at the entrances of all the staircases enclosures at each floor level shall be provided. The F.C.D. shall be of at least two hours Fire resisting wire glass window flitted with self-closing type, openable in the direction of escape.

6) Considering the staircases are only means of evacuation, emergency lighting arrangement directional, exit, sign etc. shall be made conforming the relevant I.S. Code in this regards.

LIFT:

1. The walls of the lift enclosure of the building shall be at least two hours FIRE resisting type and the lift lobbies and lift shafts shall be maintained as per existing norms and provision of NBC Part 4, 2016.

2. Collapsible gate shall not be permitted.

3. The lift of the building shall be "FIRE LIFT" and shall be conspicuously indicated / marked / written.

4. In case of failure of normal electric supply, it shall automatically trip to alternate supply and also shall have manually operated change over facility. The lift shall be so wired that in case of power failure, it comes down at the ground level, stands still with door open.

5. All other requirements shall conform relevant I.S. specification.

FIRE FIGHTING WATER :

1) Over Head Water Reservoir of 25000 L. (As per NBC, Part-4, 2016, Table-7) capacity exclusively for fire fighting purpose shall be kept full at all time.

2) There shall be separate arrangements for supply of water from UGWR to OHWR with separate pump of 1000 LPM discharge and other suitable criteria.

3) The Fire water reservoirs shall have overflow arrangement with the domestic water reservoir as well as to avoid stagnancy of water.

4) Provision of necessary manhole shall be made on the top of this reservoir as per specification.

5) The replenishment arrangement of the reservoirs shall be incorporated with auto starting facility with actuation of auto detection and/or suppression arrangement of the premises and shall also to be connected with dual power supply units.

6) Provision of placing Fire Appliances on the underground water reservoirs to be made to draw water in case of emergency.

WATER LAYOUT SYSTEM:

1. The building shall be provided with Down Comer of 100 mm internal diameter pipe line with provision of landing valves at

- the Staircase landing/ half landing. The system shall be so designed that shall be kept charged with Water all the time under pressure and capable to discharge 900 LPM . The running pressure shall not be less than 3.5 kgs / cm² in any case.
- 2.Provision of standard Hose Reel Hose units on swivelling drum in conjunction with Down-Corner shall be made near each lading valves and supplied from the overheard reservoir through Terrace Pump shall have to be made, satisfy the code of I.S. 3844-1989.
 - 3.One such terrace pump of equal capacity shall be installed as stand by fire pump.
 - 4.Fire Service Inlet shall be installed near the entrance of the building.

EXIT:

- 1.No exit door from any occupancy of any floor in a distance is not more than the distance as specified in N. B. C. Part -4, 2016. The travel distance to an exit from dead end of a corridor shall not exceed the respective provision of N. B. C. Part -4, 2016.
- 2.Exits shall be so arranged that there shall be no pocket or dead end occurred in which occupants may trap.

DETECTION AND ALARM SYSTEM:

- 1)Manually operated Electrical Fire Alarm system with at least two numbers of break glass type call box fitted with Hooter 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)Hooter will be sounded in such a manner so that an operation of Manual Call Point, Hooters will be sounded on the same floor and immediate alternate floor.

Centralized 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.

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.

GENERAL RECOMMENDATIONS:

- 1)Necessary sanction and approval for such construction and occupancy must be obtained from competent authorities.
- 2)Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles (If any).
- 3) Store Room shall not be used for storing of L.P.G. and other highly combustible articles.
- 4)Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
- 5)Floor numbers and directional sign of escape route shall be displayed prominently.
- 6)Smoke Venting arrangement for the entire building shall be provided, as per relevant IS specification & provision of NBC Part 4, 2016.
- 7)Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installation and equipment's installed in the building to keep them in perfectly good working conditions at all times.
- 8)A crew of trained Firemen shall be maintained round the clock for safety of the building.
- 9)Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- 10) The Department of Fire & Emergency Services, Government of West Bengal, shall not take any responsibility in respect of any legal dispute if pending or arises about the title of land / property.

- 11) This Fire Safety Recommendation cannot be treated in any case of regularizations of any unauthorized construction.
- 12) Accordingly, a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the 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 in the nature of use & construction of the building in respect of the approved plan drawing, without obtaining prior permission from this office, this Fire Safety Recommendation shall be treated as cancelled.

Validity unknown

Digitally Signed
Name: ABHINAV PANDIT
Date: 03-May-2024 12:42
Reason: Approved
Location: West Bengal

DIRECTOR
West Bengal Fire & Emergency Services

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