

FIRE



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

Memo no.: FSR/0125186231100040

Date: 20-03-2023

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

To: SUPREME SANDY INFRA PRIVATE LIMITED
MOUZA - GOPALPUR, J.L.NO.-2, L.R.KHATIAN NO- 10259 AND 7405, DAG NO.-2370, 2365, 2368 AND 2369 UNDER
P.S.- AIRPORT, DIST.- NORTH 24 PARGANAS, WARD NO.- 3, UNDER BIDHANNAGAR MUNICIPAL CORPORATION,
PIN - 700136

Sub: Fire Safety Recommendation for proposed one no. G+VII storied Residential Building and another one no. G+V storied Residential Building at the Premises No. - Mouza - Gopalpur, J.L.No.-2, L.R.Khatian no- 10259 and 7405, Dag no.-2370, 2365, 2368 and 2369 under P.S.- Airport, Dist.- North 24 Parganas, Ward no.- 3, under Bidhannagar Municipal Corporation.

This is in reference to your application no. 0125186231100040 dated 13-01-2023 regarding the Fire Safety Recommendation for proposed one no. G+VII storied Residential Building and another one no. G+V storied Residential Building at the Premises No. - Mouza - Gopalpur, J.L.No.-2, L.R.Khatian no- 10259 and 7405, Dag no.-2370, 2365, 2368 and 2369 under P.S.- Airport, Dist.- North 24 Parganas, Ward no.- 3, under Bidhannagar Municipal Corporation.

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 buildings shall be carried out as per approved plan drawings conforming the relevant building rules of local municipal authority.
- 2.The interior finish decoration of the buildings shall be made with low flame spread materials conforming I.S. specifications.
- 3.Arrangements shall have to be made for sealing all the vertical and horizontal ducts by the materials of adequate Fire-resisting capacity.

OPEN SPACE & APPROACH:

- 1.The open space surrounding the buildings shall conform the relevant building rules as well as permit the accessibility and

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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 Mtr. and 5 Mtr. respecting abutting the road.

STAIRCASE:

1. The staircase of the buildings shall be enclosed type. Entire construction shall be made of bricks/R.C.C. type having Fire resisting capacity not less than 2 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 amendment.
4. All the staircases shall be extended up to the terrace of the buildings and shall be negotiable to each other without entering into any room.

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 as Fire Lift. The word "FIRE LIFT" shall conspicuously written in fluorescent paint on the lift landing doors at each floor level.
3. Alternate source of power supply shall be provided for all lifts through manually operated change over switch.
4. In case of failure normal electric supply it shall automatically trip over to alter supply.
5. The Speed of the fire lift shall be such that it can reach the top floor from ground level within one minute.

FIRE FIGHTING WATER:

Overhead water reservoir of 25,000 ltrs. capacity for each building exclusively for Fire fighting purpose with replenishing arrangements @ 1,000 ltrs. / min. preferably from two different sources of water supply shall be provided. The Fire 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.

HYDRANT SYSTEM :

1. Yard Hydrant alongwith Fire Service inlet shall be installed surrounding the buildings in accordance with relevant I. S. specification.
2. Provision of standard Hose Reel Hose in conjunction with down comer supplied from the overhead reservoir satisfy the code of I. S. 3844 - 1989.
3. The buildings shall be provided with down comer connected to terrace tank through the terrace pumps at 900 LPM capacity and providing one 100mm internal diameter pipe line with provision of landing valves at the staircase landings / half landings at the rate of one such down comer for 1000 sqm of floor area. The system shall be so designed that shall be kept charged with water all the time under pressure and one standby pump at same capacity shall also be installed. In both case the running pressure shall not be less than 3.5 kgs/cm². All other requirements shall conform I. S. 3844 - 1989.
4. Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R. full at all time.

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 the I.S. specification 1946-1982.
2. All ducts shall be supply sealed at all floor level.

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3.The electrical installation shall be adequately protected with CO2/D.C.P. or Medium Velocity Projector System.

4.Alternative Power Supply :

Arrangements shall have to be made to supply power with help of a generator to operate at least the Fire Pump, Pump for deep Tube-well, Fire Alarm System, Fire Lift etc. and also for illuminating the Staircase, Corridors etc. and other places of assembly of the building in case of normal power failure.

DETECTION, ALARM AND SUPPRESSION SYSTEM :

1.Manually operated Electrical Fire Alarm System with break glass type call boxes fitted with Hooters along with public address system at each floor connecting with audio-visual panel board shall be made in Control Room. The Control Room shall be located at the entrance of Ground Floor of the buildings, other requirements of the system shall be made conforming I.S. 2189-1988.

2.The suppression system shall be made with Fire Extinguishers CO2 /F.M.- 200 particularly in electrical 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.

4.Public Address System :

Public Address System linked between all floors and Control Room shall have to be established.

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.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 occupants and security staff shall be conversant with 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 perfectly good working conditions at all times.

6.A crew of trained Fireman 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 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 buildings.

N.B. : Any deviation and changes the nature of use of the buildings in respect of the approved plan drawing, without obtaining prior permission from this office, this Fire Safety Recommendation will be treated as cancelled.

Signature valid
Digitally signed by ABHJIT
PANDEY
Date: 2023.05.20 12:15:14 IST

Director
West Bengal Fire & Emergency Services

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