



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

Memo no.:IND/WB/FES/20192020/60831

Date: 08-11-2023

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

To: TODI CONSTRUCTIONS PVT LTD AND OTHERS
Holding No-59, Abhay Doctor Lane, RS. Dag No.-343, 344/436, RS.Kh. Nos-738,1415-1421, 1452,1488, J.L.No.-37,
Ward No.-17, Mouza-Baikunthapur, P.S.-Sonarpur, Dist.-South 24 Pgs, Under Rajpur-Sonarpur Municipality, Pin -
700149

Sub: Revised Fire Safety Recommendation in respect of proposed Residential complex comprising of three (3) nos. G+IV storied (Block 1, Block 2 & Block 3 respectively) under group Residential Building at premises no.: Holding No-59, Abhay Doctor Lane, RS. Dag No.-343, 344/436, RS.Kh. Nos-738,1415-1421, 1452,1488, J.L.No.-37, Ward No.-17, Mouza-Baikunthapur, P.S.-Sonarpur, Dist.-South 24 Pgs, PIN: 700149.

This is in reference to your application no. 0125188231200097 dated 21-09-2023 regarding the Revised Fire Safety Recommendation in respect of proposed Residential complex comprising of three (3) nos. G+IV storied (Block 1, Block 2 & Block 3 respectively) under group Residential Building at premises no.: Holding No-59, Abhay Doctor Lane, RS. Dag No.-343, 344/436, RS.Kh. Nos-738,1415-1421, 1452,1488, J.L.No.-37, Ward No.-17, Mouza-Baikunthapur, P.S.-Sonarpur, Dist.-South 24 Pgs, PIN: 700149.

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 **Revised 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 whole 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)Doors and windows should be of at least two hrs. fire resisting type.
- iv)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 and internal driveway 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 abutting the roads.

C)Staircase:

i)Staircase shall not be obstructed with refuse article or by any means.

ii)Staircase shall continue from ground to roof level.

iii)Staircase shall be negotiated at all floors.

D)Lift:

1.Lift shall not be used as means of escape during emergency.

2.Collapsible lift doors are not allowed.

E)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)Time of evacuation should be as per IS: 1644-1988.

F)Electrical installation:

i)All electrical installation shall 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.

iii)Electrical installation should be tested by the licensed electricians periodically.

G)Fire fighting water:

The building should be provided with 75,000 liters capacity of underground water reservoir and 5,000 ltrs. OHWR (as shown in the plan) with replenishing arrangement @ 1000 liters per minutes. The underground water reservoir location should be such so that fire service vehicle may get access and draw water from the said reservoir.

H)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.

I)Internal Hydrant/ Wet-Riser cum down comer System IS-3844:1989:-

The building shall be provided with Wet Riser of 100 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 all the time under pressure and capable of discharge minimum 900 ltrs./ min. at all levels. The running pressure shall not be less than 3.5 kgs./ Sq.mtr.. All other requirement shall conform I.S. 3844-1989.

J)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 more than 36.5 meters. The distance of such installation should be in such a way that no part of floor is more than 6 meters distance from a nozzle when fully extended.

K)Pumps for fire fighting installation IS-12469:1988:-

One no. Jockey of 180 LPM, one no. main and one no. stand by fire pump both of 1620 LPM along with (one no. terrace level booster pump of 450 LPM on each block) shall be installed and arranged in such a manner so that it will start automatically with fall in pressure and also connected with alternative power back up. Pressure shall be maintained minimum 3.5 kg/cm² at the terrace level.

L)Detection and Alarm System: -

- 1.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.
- 2.LPG sensors shall be installed in LPG bank.

M)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 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.

General recommendation:-

- 1.Fire notice for fire fighting and evacuation from the building shall be prepared and to be displayed at all vulnerable places.
- 2.Floor numbers and directional sign of escape route shall be displayed prominently.
- 3.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.
- 4.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.
- 5.Mock fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- 6.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.

This shall be treated as Fire Safety Recommendation. 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 recommendation will be treated as cancelled.

Signature Not Verified
Digitally signed by ABHIJIT
PANDEY
Date: 2023.11.08 13:01:33 IST

DIRECTOR
West Bengal Fire & Emergency Services

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