



**Government Of West Bengal
Office Of The Deputy Director
West Bengal Fire & Emergency Services
Station Feeder Road, P.O & P.S Siliguri,
District: Darjeeling, Pin - 734005**

Memo no.:FSR/0125186237900162

Date: 24-05-2023

From:

Deputy Director

North Zone, HQ Wing,

West Bengal Fire & Emergency Services

**To: DR. GOSTHA BEHARI DAS , S/O. LATE NIKUNJA BEHARI DAS
EASTERN BYPASS P.S. -BHAKTINAGAR DIST. JALPAIGURI.**

Sub: Fire Safety Recommendation of Proposed construction of LG+UG+5 storied shop Building under group of mercantile in the name of DR. GOSTHA BEHARI DAS , S/O. LATE NIKUNJA BEHARI DAS at the Premises no MOUZA- DABGRAM, PLOT NO- 348,349 R.S. 14,9/159 L.R., J.L. NO- 02, KHATIAN no- 459/1,459/5,459/7 RS, 528,471, 683, 457 379 L.R, SHEET NO- 09 (R.S.), 58 (L.R.), P.S.- BHAKTINAGAR, Pargana – Baikunthapur, DIST- JALPAIGURI, 734006.

This is in reference to your application no. 0125186237900162 dated 03-05-2023 regarding the Fire Safety Recommendation of Proposed construction of LG+UG+5 storied shop Building under group of mercantile in the name of DR. GOSTHA BEHARI DAS , S/O. LATE NIKUNJA BEHARI DAS at the Premises no MOUZA- DABGRAM, PLOT NO- 348,349 R.S. 14,9/159 L.R., J.L. NO- 02, KHATIAN no- 459/1,459/5,459/7 RS, 528,471, 683, 457 379 L.R, SHEET NO- 09 (R.S.), 58 (L.R.), P.S.- BHAKTINAGAR, Pargana – Baikunthapur, DIST- JALPAIGURI, 734006.

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 drawing conforming relevant building rules of local administrative body.
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.
- 3.Provision of ventilation at the crown of the central core-duct of the building shall be provided.
- 4.Arrangement shall have to be made for sealing all the vertical ducts by the materials of adequate fire resisting capacity.

OPEN SPACE & APPROACH

3)Landing doors in all lift enclosures shall have a fire resistant of not less than 1 hour.

4)All Lift Car door shall have a fire resistance rating of half an hour.

5)Exit from the lift lobby, if located in the core of the building, shall be through a self closing smoke stop door of half an hour fire resistance.

6)Grounding Switch(es), at ground floor level shall be provided on all the lifts to enable the fire service to ground the lifts..

7)Collapsible gates shall not be permitted for lifts and shall have solid lift doors with fire resistance of at least 1h.

8)A sign shall be posted and maintained on every floor at or near the lift indicating that in case of fire, occupants shall use the stairs unless instructed otherwise. The sign shall also contain a plan for each floor showing the locations of the stairways.

9)In case of failure of normal electric supply, it shall automatically trip over to alternate supply. This changeover of supply could be done through manually operated changeover switch. Alternatively, the lift shall be so wired that in case of power failure, it comes down at the ground level and comes to stand still with door open.

REFUGE AREA:

1.Refuge area is not less than 15 sqm. and shall be provided on the external wall with cantilever projection or other suitable means at above 21.94 mtr. levels of the building as shown in the drawings.

2.The refuge areas shall be of Fire Resisting construction and protected with self-closing F.C.D. at the entrance from the corridors at staircase lobbies.

3.The position of refuge areas shall be such so that they are negotiable by the Fire Service Ladder from the ground level.

FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 200000 ltrs. and overhead water reservoir having capacity of 10000.ltrs. exclusively for fire fighting purpose with replenishing arrangements @ 1000 ltrs/min. preferably from two different sources of water supply shall be provided. The water reservoirs 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.

WET RISER SYSTEM IS:3844

150 mm dia ring bend & 100 mm dia riser with single out let landing valve shall have to be provided.

AUTOMATIC SPRINKLER SYSTEM (IS:15105 2021)

The automatic sprinkler system shall have to be installed for entire building . Alarm Gong to be incorporated along with the sprinkler system.

ELECTRICAL INSTALLATION AND DISTRIBUTION:

1.The electrical installation including Transformers, Switch Gear, 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 I.S. specification.

2.The vertical and horizontal electrical ducts shall be sealed at each floor level by fire resisting materials.

3.The electrical installation shall be adequately protected with CO2/D.C.P. Fire Extinguishers conforming I.S. specification.

FIRST AID FIRE FIGHTING SYSTEM

First Aid Fire Fighting arrangement (Extinguisher) 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 notice for firefighting and evacuation from the building shall be prepared and be displayed at all vulnerable place of the building as per clause 4.11 Annex D of N.B. Code.
- 2.Floor number and direction sign of escape shall be displayed prominently as per clause 4.11 Annex D of N.B. Code.
- 3.The employees and security staff shall be conversant with installed firefighting equipment of the building on to operate in the event of fire and testing as per clause 4.11 Annex D of N.B. Code.
- 4.Arrangement shall be made for regular checking, testing and proper maintenance of all the fire safety installation and equipment installed in the building to keep them in perfectly good working conditions at all times.
- 5.Mock fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- 6.Considering the gravity of growing hazard in the township, a crew of trained firemen under one experienced officer shall be maintained round the clock along with water tender (type-B) conforming I.S. 948 : 1983.

On compliance of all the above Life and Fire Safety Recommendation, the Director General, West Bengal Fire & Emergency Services shall be approved for necessary inspection and testing of all 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 valid

Digitally Signed.
Name: SHUBRANGSHU MAZUMDER
Date: 24-May-2023 11:55:57
Reason: Approved
Location: West Bengal

Deputy Director
West Bengal Fire & Emergency Services