



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

Memo no.:FSR/0125186221100350

Date: 20-06-2022

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

To: M/S DHARITRI INFRAVENTURE PVT. LTD.
MOUZA-PATHARGHATA, J.L. NO.36, IN R.S. AND L.R. DAG NO.-2332,2340,2341,2342,2343,2346,2348 AND 2349.
PS-NEWTOWN, DIST - NORTH 24 PARGANAS UNDER PATHARGHATA GRAM PANCHAYET

Sub: Fire Safety Recommendation for 2 nos. G+IX & one no. G+VIII storied residential building at Mouza – Patharghata, J.L.No. – 36, MOUZA - PATHARGHATA, PS- NEWTOWN, DIST - NORTH 24 PGS, UNDER PATHARGHATA GRAM PANCHAYET

This is in reference to your application no. 0125186221100350 dated 28-05-2022 regarding the Fire Safety Recommendation for 2 nos. G+IX & one no. G+VIII storied residential building at Mouza – Patharghata, J.L.No. – 36, MOUZA - PATHARGHATA, PS- NEWTOWN, DIST - NORTH 24 PGS, UNDER PATHARGHATA GRAM PANCHAYET

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:
Recommendation

A.CONSTRUCTION :

The construction of the building shall be carried out as per building rules of local body.

The interior finish decoration of the building shall be made low flame spread materials conforming i.s. specifications.

Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate fire resisting capacity.

B.OPEN SPACE & APPROACH :

The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of fire appliance with turning facility.

The approach roads shall be sufficiently strong to withstand the load of fire engine weighting up to 45 m.t.

The width and height of the access gates into the premises shall not be less than 4.5 – 5 m respecting abutting the road.

C. STAIRCASE :

The staircase of the building shall be enclosed type. Entire construction shall be made of bricks / r.c.c. type having fire resisting capacity not less than 4 hours.

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.

The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules.

D. LIFT

The walls of the lift enclosure of the building shall be at least two hours fire resisting type respectively marked in the plan with the event at top of area not less than 0.2m².

The lift of the building shall be designed at high speed "fire lift" and conspicuously indicated marked in the plan.

The electric power shall be from separate supply mains in the building and cables run with in the lift shafts, light and fans in the lift cars shall be operated from 24 volts, supply on emergency in case of failure of normal power supply lift shall automatically trip over alternate power supply.

Arrangement shall be provided for extraction of smoke in all the lift shaft by incorporation smoke venting system designed to permit 30 air changes per hour in case of fire and shall be of such design as to operate on actuation of sprinkler or fire alarm. In case of failure of normal electric supply, it shall automatically trip to alternate supply.

Exit from the lift lobby if located in the core of the building, shall be through a self-closing smoke stop door of 1 hour fire resistance.

The speed of fire lifts in the building shall be such that it can reach the top from the ground floor within 1 minute in visual indications of floor numbers shall incorporated in the lift cars.

All other requirements shall conform the I.S. specification including the communication facility in the lift cars connecting with the fire control room of the building.

E. REFUGE AREA.

The refuge area is not less than 15sqm. Area shall be provided on the external wall as cantilever projection or any other suitable means at above 24.0 m. / shown/marked in the plan.

The refuge areas shall be of fire resisting construction and shall be protected with self-closing f.c.d. at the entrance from the corridors at staircase lobbies.

The position of refuge areas shall be such so that they are negotiable by the fire service ladder from the ground. Clear open space 9m x 15m shall have to provided below refuge area.

F.FIRE FIGHTING WATER :

Underground water reservoir having water capacity at 50,000 ltrs. Capacity and over head reservoir having water capacity 20,000 ltrs in each block exclusively for firefighting purpose with replenishing arrangements @ 1000 ltrs./min. Preferably from two different sources of water supply shall be provided. The 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.

GHYDRANT SYSTEM .

All Blocks shall be provided with Downcomer at 100mm, Internal diameter pipe line with provision of landing valves at the staircase landings / half landings at the rate of one such Downcomer for 1000 sq.m. of floor area. The system shall be so designed that shall be kept charged with water all the time under pressure and capable to discharge 900lts/min and minimum 450lpm at the furthest. All other requirements shall conforming i.s. 3844 – 1989.

Provision for hose reel in conjunction with Downcomer shall be made at each floor level. Conforming the relevant i. S. Specifications.

Yard hydrant / ring main hydrant with provision of adequate numbers hydrant shall be installed surrounding the building in accordance with relevant i.s. specifications.

Fire service inlet near the entrance of the building shall have to be provided.

All other requirements of the water based fire protection shall be made as per i.s. specification 3844-1989(with up to date amendment).

Fire pump :

Provision of the fire pump shall have to be made to supply water at the rate-designed pressure having delivery capacity 900lpm and discharge into the water based system, which shall be installed in the terrace of each block buildings. One such pump shall always be kept on stand-by.

All the pumps shall be incorporated with both manual and auto starting facilities.

H.ELECTRICAL INSTALLATION & DISTRIBUTION :

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 i.s. specification 1946 – 1982.

The vertical & horizontal ducts shall be sealed at each floor level by fire resisting system.

The electrical installation shall be adequately protected with co2/d.c.p fire extinguisher.

Alternative power supply :

Arrangements shall have to be made to supply power with the 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.

I. DETECTION & ALARM SYSTEM :

Manually operated electrical fire alarm system with at least two numbers of break glass type call boxes fitted with hooters along with public address system, talk back system at 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.

The other requirements of the system shall be made conforming i.s 2189-1988.

- 3) hooters will be sounded in such a manner so that an operation of detector or manual call point hooters will be sounded on the same floor and immediate alternate floor.

J. Air conditioning system (if any)

The a.h.u shall be separated for each floor with the system air ducts for individual floors.

- 2) arrangements shall be made for isolation at the strategic location by incorporating auto dampers in the air conditioning system.
- 3) the system of auto shutdown of a.h.u shall be incorporated with the detection and alarm system.
- 4) the air handling unit's room shall not be used for storage of any combustible materials.

K. 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.

L. GENERAL RECOMMENDATIONS :

Fire notice for fire fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.

Floor numbers and directional sign of escape route shall be displayed prominently.

The residents and security staff shall be conversant with installed fire fighting equipments of the building and to operate in the event of fire and testing.

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.

Mock fire practice and evacuation drill shall be performed periodically with participation of all occupants of 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, as fire safety recommendation will be treated as cancelled.

Signature valid
Digitally signed by ABHJIT
PANDEY
Date: 2022.09.20 11:19:56 IST

Director
West Bengal Fire & Emergency Services



Govt. of West Bengal
WB e-district
GRIPS eChallan

GRN Details

GRN:	192022230053153921	Payment Mode:	Online Payment
GRN Date:	18/06/2022 12:59:18	Bank/Gateway:	AXIS Bank
BRN :	323723651	BRN Date:	18/06/2022 13:01:11
Payment Status:	Successful	Payment Ref. No:	0125186221100350 [Id Number]

Depositor Details

Depositor's Name:	Ms. Dipanwita Samanta
Address:	
Mobile:	9123801432
E-Mail:	monalisa.foundation@gmail.com
Period From (dd/mm/yyyy):	18/06/2022
Period To (dd/mm/yyyy):	18/06/2022
Payment ID:	0125186221100350
Dept Ref ID/DRN:	0852022011057832

Payment Details

Sl. No.	Payment ID	Head of A/C Description	Head of A/C	Amount (₹)
1	0125186221100350	Service Fees	0070-60-109-001-14	87173
			Total	87173

IN WORDS: EIGHTY SEVEN THOUSAND ONE HUNDRED SEVENTY THREE ONLY.