



सत्यमेव जयते

Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services
Ghoshpara Road, P.O.- Bengal Enamel, Pin :- 743122

Memo No.: FSR/211862406300001124

Date : 23-05-2024

From :
Divisional Fire Officer
North 24 Parganas Division
West Bengal Fire & Emergency Services

To :
1) Tarak Nath Dey, 2) Bishnu Dey, S/o Late Narendra Nath Dey, 3) Basanti (dey) Roy, D/o Late Narendra Nath Dey
HOLDING NO.-277(517) NABAJIBAN, WARD NO.-1, UNDER NORTH DUM DUM MUNICIPALITY, P.S.-AIRPORT, PIN-
700158

Sub: Fire Safety Recommendation for an Proposed of G+IV under group of Residential building in the name and style " TARAK NATH DEY, BISHNU DEY, BASANTI DEY ROY " in the premises at " R.S/L.R DAG NO-676, R.S KHATIAN NO-217, 1069, L.R KHATIAN NO-4412, 4415, 4416, J.L NO-05, HOLDING NO-277(517) NABAJIBAN, MOUZA-BISHARPARA, WARD NO-01 (UNDER NORTH DUMDUM MUNICIPALITY), P.O-BISHARPARA, P.S-AIRPORT, PIN-700158, DISTRICT-NORTH 24 PARGANAS, WEST BENGAL.

This is in reference to your AIN 211862406300001124 dated 23-Apr-2024 regarding Fire Safety Recommendation for an Proposed of G+IV under group of Residential building in the name and style " TARAK NATH DEY, BISHNU DEY, BASANTI DEY ROY " in the premises at " R.S/L.R DAG NO-676, R.S KHATIAN NO-217, 1069, L.R KHATIAN NO-4412, 4415, 4416, J.L NO-05, HOLDING NO-277(517) NABAJIBAN, MOUZA-BISHARPARA, WARD NO-01 (UNDER NORTH DUMDUM MUNICIPALITY), P.O-BISHARPARA, P.S-AIRPORT, PIN-700158, DISTRICT-NORTH 24 PARGANAS, WEST BENGAL.

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 Fire Safety Recommendation in favor of the aforesaid building for compliance of the following fire safety measure.

Recommendation :

A) Construction :-

1) The whole construction of the existing building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipality Body and shall remain same as per approved plan of this department.



The authenticity of this document can be verified by accessing the URL: edistrict.wb.gov.in and then clicking on the 'Verification of Digitally Signed Document' link and keying in Unique Number : 211862406300001124

- 2) Any deviation with regard to the construction shall be verified by the concerned building sanctioning authority.
- 3) Material for rapid flame spread categories including untreated wood fiber board etc. shall be not use. The doors and windows preferably shall be made of metal.
- 4) The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- 5) Provision of ventilation at the crown of the central core-duct of the building shall be provided.
- 6) Arrangement shall have to be made for sealing all the vertical and horizontal ducts by the materials of adequate fire resisting capacity.
- 7) Fire rating test certificate of all interior finished decoration should be submitted to this office before taking occupancy.

B) OPEN SPACE AND APPROACH :-

- 1) The open spaces surrounding the building shall be kept clear open to sky and shall conform the relevant building rules as well as permit the easy accessibility and manoeuvrability of the Fire Appliance with turning facility.
- 2) The approach roads surrounding the building shall be sufficiently strong to with stand the load of Fire Engine weighting 45 M.T.
- 3) Drive way should be free from any type of obstruction. No parking will be allowed on the drive way.
- 4) All the Passage way should be kept clear for free access. The abutting road shall permit the accessibility and manoeuvrability of Fire Appliances.
- 5) The width and height of the access gates into the premises shall be less than 4.5-5 M respecting abutting the road.

C) STAIRCASE :-

- 1) 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.
- 2) The staircase of the building shall have permanent vents at the top equal to 5% of the cross sectional area of the staircases enclosures and open able sashes at each floor equal to 15% of the said cross section are shall have to be provided in the external walls of the building.
- 3) The position of the staircase shall be made as shown in the plan. Width of the staircases, Corridors and the exit doors shall conform the relevant Building Rules with up-to-date amendments.
- 4) The entire staircase shall be extended up to terrace of the building and shall be negotiable to each floor without entering into room in all the blocks.
- 5) 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.

D) LIFT :-

- 1) The walls of the enclosure of the building shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.
- 2) In case of failure of normal electric supply, it shall automatically trip over to alternate supply. The lift shall be so wired that in case of power failure, it comes down at the ground level landing to stand still with door open.
- 3) Arrangement shall be provided for extraction of smoke from the lift shaft by incorporation smoke venting system 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.
- 4) All other requirements shall conform the I.S specification including the communication facility in the lift cars connecting to the fire control room of the building.

E) ELECTRICAL INSTALLATION AND DISTRIBUTION :-

- 1) The electrical installation including Transformers (if any), 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 1946-1982.
- 2) The vertical and horizontal electrical supply ducts shall be sealed at each floor level by fire resisting materials. The electrical installation shall be adequately protected with CO2/ D.C.P. Fire Extinguishers conforming I.S. specification.
- 3) All electrical installation viz. Transformers (if any), Switch Gear, H.T rooms shall be protected with both auto detection and suppression system as per suitability.
- 4) Electrical distribution system of the building shall be made in the form of concealed wiring or in heavy gauge M.S conduit continuously bonded to the earth. Cables shall be I.S marked and ferriable be of F.R.L.S categories. M.C.B shall be installed in electrical circuit to avoid electrical fire Hazards.
- 5) Arrangement for alternative power supply shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Deep Tube-Well Pump, Fire Alarm System etc. and also for illuminating the Staircase, Corridors,



Lobbies etc. and other places of assembly of the building in case of normal power failure.

F) FIRE FIGHTING WATER :-

Overhead water reservoir capacity 5,000 ltrs. and Underground water reservoir capacity 10,000 ltrs. exclusively for firefighting 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.

G) HYDRANT SYSTEM :-

1) The building shall be provided with Down Comer along with Hose Reel Hose connected to terrace tank through the terrace pump capacity of 450 LPM with providing one 100 mm internal diameter pipe line with provision of landing valves at all floor level. The system shall be so designed that shall be kept charged with water all the time under pressure and one stand by pump at same capacity shall also be installed. In both cases the running pressure shall not be less than 1.5 kg/sq.cm. All other requirements shall conform I.S 3844-1989.

2) Provision for Hose Reel in conjunction with down comer shall be made at each floor level confirming the relevant I.S specifications.

3) Provision of two way collecting head for uses of Fire Service must be provided at the entrance of the building.

4) Provision of the fire pump shall have to be made to supply water at the rate designed pressure and discharge into the water based system, which shall be installed in the roof of the building, one such pump shall always be kept as stand by pump.

H) DETECTION AND ALARM SYSTEM :-

1) Manually operated Electrical Fire Alarm System with at least one number of break glass type call boxes fitted with Hooters along with Public Address system at each floor connecting with visual panel board shall be made in control room. The control room shall be located at entrance of ground floor of the building. Others requirements of the system shall be made conforming I.S specification.

2) Hooters 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.

I) 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 (e.g. pump house etc.) of the premises shall be made in accordance with IS 2190-1992

J) 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 at all conspicuous places.

3) The teaching and non teaching staff, students and security staff shall be well conversant with the installed fire fighting equipment 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 equipment 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 favor 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 cancel



Signature valid

Digitally Signed.
Name: SARON KUMAR BAG
Date: 24-May-2024, 18:29:24
Reason: D-Sign
Location: E-Dist 2.0

Divisional Fire Officer

West Bengal Fire & Emergency Services

The authenticity of this document can be verified by accessing the URL: edistrict.wb.gov.in and then clicking on the 'Verification of Digitally Signed Document' link and keying in Unique Number : 211862406300001124