



emami* realty limited

To

Date:04-08-2023

The Authority
WBRERA
Kolkata
West Bengal

Dear Sir/Mam,

This is to clarify that "**Emami Aastha**" project situated on NH-117, Diamond Harbor Road. Landmark- opposite Swami Narayan Temple Mouza- uttar Kazirhat, P.S- Bishnupur. Dist.- South 24 Paragnas, 743503 being developed by **M/s Emami Realty Limited**.

This is an independent G +1 Villa with plot project for one family private dwellings (grouped under: Residential Building category A2) with maximum height of villa is 7.65 meters (terrace level) and as per national building Code such category of buildings is exempted from Fire NOC and as well as from Airport height clearance.

However, the project also has a club house building (grouped under: Assembly building category D) where Fire NOC is required, which we have obtained and Fire Safety Recommendation bearing no FSR/0125186221200260 dated 12-08-2022 is attached herewith.

For Emami Realty Limited

Authorized Signatory



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

Memo no.:FSR/0125186221200260

Date: 12-08-2022

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

To: FASTGROW BUILDINGS LLP & OTHERS

L.R. DAG NO.-347-350,836,838-840,846-849,851-854,856,858,869,871,878-880,885,896-900,910-914,918,919,929-931,941-943,946,947,954,J.L. NO.-22,TOUZI NO.-3,4,5,MOUZA-UTTAR KAZIRHAT,P.O.-BHASA,P.S.-BISHNUPUR,SOUTH 24 PGS.

Sub: Fire Safety Recommendation of a Proposed G+I Storied Club House Building under group Assembly building at L.R. DAG NO.-347-350,836,838-840,846-849,851-854,856,858,869,871,878-880,885,896-900,910-914,918,919,929-931,941-943,946,947,954,J.L. NO.-22,TOUZI NO.-3,4,5,MOUZA-UTTAR KAZIRHAT,P.O.-BHASA,P.S.-BISHNUPUR,SOUTH 24 PGS,

This is in reference to your application no. 0125186221200260 dated 24-06-2022 regarding the Fire Safety Recommendation of a Proposed G+I Storied Club House Building under group Assembly building at L.R. DAG NO.-347-350,836,838-840,846-849,851-854,856,858,869,871,878-880,885,896-900,910-914,918,919,929-931,941-943,946,947,954,J.L. NO.-22,TOUZI NO.-3,4,5,MOUZA-UTTAR KAZIRHAT,P.O.-BHASA,P.S.-BISHNUPUR,SOUTH 24 PGS,

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:

A)CONSTRUCTION

- 1) Proposed Construction and layout of the Proposed building shall be maintained as per building rules of Local Authority.
- 2)Material for rapid flame spread categories including untreated wood fibred board etc shall be not used. The door and window preferably shall be made of metal.
- 3)Arrangement shall have to be made for sealing all the vertical ducts by the materials of adequate fire resisting capacity.
- 4)All the marked construction should be done with proper fire rating things.
- 5)Fire rating test certificate of all constructional materials of the building should be submitted to this department before taking N.O.C.

6) Areas of high risk of the like, Server Room, Power Supply Room, D.G Room, Transformer Room, Main Stores and Works Station should be separated from other parts of the building by fire resisting wall.

B) OPEN SPACE AND APPROACH

- 1) The open space in the premises shall conform the relevant building rules.
- 2) The approach road shall be sufficiently strong to withstand the load of fire engine.
- 3) The width and height of the access gate into the premises shall not be less than 4.5m and 5 m respecting the abutting road.
- 4) Drive way should be free from any type of obstruction. No parking will be allowed on the drive way.
- 5) All the passage way should be maintained and exit to be made as mentioned in the plan.
- 6) Every room should have at least two gates.

C) STAIRCASE:-

- 1) The staircase as marked in the plan with fire resisting construction.
- 2) The width of the staircase, corridor and the exit doors shall conform the relevant building rules.

D) EXIT

- 1) Exit should be so arranged that at least two separate exit are available in every floor area. Exit shall be as remote from each other as practicable and so arranged that there are no pockets or dead end occurred in which occupants may be trapped. FCD to be provided according to the marked in plan drawing.
- 2) Every exit door way shall be open into an horizontal exit of corridor.
- 3) Exit width will be as mentioned in the N.B.C. part IV.

E) 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 I.S specifications 1946 - 1982.
2. The vertical & horizontal electrical ducts shall be sealed at each floor level by fire resisting material.
3. Minimum clearance of 750mm shall preferably be provided between the transformer or other apparatus and enclosing or separating hall.
4. All control gears shall be protected against rodents, reptiles and insects.
5. Cables shall be clamped immediately below floor level. Each cable or group shall where possible be protected by pipe cover of heat resisting material rising to height of at least 45 cm above floor level or terminating just below cable gland, sealed at the bottom and filled with sand or small pebbles.
6. The cable shall not be routed near hot space where it is unavoidable fire resistance cable shall be used.
7. Lightning arrester shall be provided inside the premises.
8. Power cable and control cable shall run in separate trenches wherever possible.
9. All switch gear room shall be kept clear and free from any accumulated debris or flammable materials.
10. The control room shall have 02 hours fire resistance with smoke stop check doors of the same rating.
11. All cable entries /openings in the control room shall be effectively sealed.
12. The A.C system shall be automatically switched off before the extinguishing system is put into operation.
13. Smoke detectors of ionization and optical types shall be provided in the control room or cross zoning principle with suitable time delay devices incorporated.
14. On and Off type sprinkler system shall be provided in control room if possible.

F) FIRE FIGHTING WATER AND FIRE PUMP

- 1) overhead reservoir of 25,000Lts Capacity exclusively for FIRE are to be provided along with provision of standard hose reel hose and landing valve.

- 2) Suitable replacement arrangement has to be provided at least from two different sources at the rate of 1000 lits/ min.
- 3) The fire water reservoir shall have overflow arrangement with the domestic reservoir to avert stagnancy of water.
- 4) Provision of necessary manhole shall be made on the top of the reservoir as per specification.
- 5) All the Hydrant should be satisfying the code of practice.
- 6) The deep tube well for the replenishment of the reservoir shall be incorporated with auto starting facility with the actuation of the auto detection and suppression arrangement of the premises and also be connected with dual power supply units.
- 7) Fire water reservoir will be so constructed that fire vehicle can be reached near the source to draw water in case of emergency.
- 8) Discharge capacity of the Terrace pump should not be less than 900 LPM and the pressure of the furthest corner hydrant should be less than 3.5 Kg/cm²
- 9) Stand by pump (preferably Diesel Driven) having same capacity of the main pump should be installed .

G HYDRANT SYSTEM down comer :

1. Provision of standard Hose Reel Hose in conjunction with Wet Riser supplied from the overhead reservoir through Booster Pump of 900 LPM shall have to be made in the all floors of the building satisfy the code of I.S. 3844-1989.
2. The building shall be provided with Down comer connected to terrace tank through the terrace pump at 900 LPM capacity and provided one 100 mm. internal diameter pipe line with provision of landing valves at the Staircase landings/half landings at the rate of one such riser for 1000 Sq.m. of floor area. The system shall be so designed that shall also be installed. In both cases the running pressure shall not be less than 3.5 Kgs/Cm². all other requirements shall conform I.S. 3844-1989.

3. Yard Hydrant/Ring Main Hydrant with provision of two numbers Hydrant with one number Fire Service Inlet shall be installed the building in accordance with relevant I.S. specification.

1. Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R. full at all time.

WATER LAY OUT :-

Ring Main Hydrant :- i. 100mm dia Ring main water layout arrangement covering the entire premises of the project with provision of Pillar Type Yard Hydrant

H. DETECTION AND ALARM SYSTEM :-

1. Manually operated Electrical Fire Alarm system with at least three numbers 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 the entrance of Ground Floor of the building, other requirements of the system shall be made conforming I.S. 2189-1988.
2. Auto fire detection system with the help of flent and smoke detector shall be installed in all places of below and preferably above false ceiling of the building. The system shall also be made in places of rooms where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S. 2189-1988.
3. The suppression system shall be made with Fire Extinguishers and total flooding system with CO₂/FM-200 particularly in computer and Electrical processing and data room and in a room of irreplaceable articles.
4. Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.
5. Public Address System : This system linked between all floors and Control Room shall have to be established.

I. AIR CONDITIONING SYSTEM

- 1) All the due precaution should be taken for air conditioning system
- 2) A.H.U. shall be separated for each floor or Unit of the building and should be tripped on actuation of Detection system.
- 3) The materials used for insulating the duct system shall be of noncombustible materials
- 4) Fire damper should be installed at the strategic position of the air conditioning system

5)Wherever the ducts pass through fire wall of the floors

J.FIRST AID FIRE FIGHTING SYSTEM

1)First aid fire fighting arrangements should be done as per I.S 2189-1992

K.General recommendation

1)Fire Notice for the fire fighting and evacuation from the building shall be prepared and be displayed at all vulnerable points of the building.

2)All the Occupants should be trained for the fire protection system of the building.

3)Arrangement shall be made for regular testing and maintenance of the system

4)Drill should be carried out at least once in a year and record should be maintained for the drill

5)Alternative power supply should be provided for the operation of all the fire protection system in the building

6)Proper house keeping should be maintained in the building both in string and processing area

7)All the marked work in the building should be done before taking N.O.C from this department.

8)License should be obtained for any combustibile and inflammable material in the Building.

9)All technical and nontechnical person should have adequate knowledge of handling fire protection system, equipment

10)Generator room to be protected by suitable suppression system

11)Storing of combustibile and noncombustibile, flammable and combustibile materials should be separated by fire resisting wall in the building.

This will be treated as fire safety recommendation only and on compliance of all the above fire and life safety recommendation the Director General of West Bengal Fire and Emergency services shall be approached for necessary inspection and testing of the installation, final safety certificate of the building shall be issued on being satisfied with the test and performance of the safety aspects of the installation of the building.

Validity unknown

Digitally signed by ABHIJIT
PANDEY
Date: 2022.08.12 16:26:56 IST

Director
West Bengal Fire & Emergency Services