



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

Memo
no.: WBFES/1638/16/Bidhan/RB/82/10(85/10)

Date: 22-02-2023

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

To: AQUAVIEW PROJECTS PRIVATE LIMITED
MAHISH BATHAN, R.S. DAG NO. 489-492, 549-555, 560-562, 542, 544-546, 548. MOUZA THAKDARI-852, 918, 929. WARD
NO. 28, PROVISIONAL HOLDING NO-001, BIDHANNAGAR MUNICIPAL CORPORATION, WARD NO. 1 BIDHANNAGAR
MUNICIPALITY, PREVIOUSLY

Sub: Revised Fire Safety Recommendation for additional construction of 5 wings namely Wing H (G+29), Wing I (G+29), Wing J (G+29), Wing K (G+29) and Wing L (G+30) with previous sanctioned Wing A&B, both B+G+25, Wing C&D B+G+25, Wing E&F, B+G+21, Wing G (B+G+25) and a club building (B+G+2) storied at Mahish Bathan, Bidhannagar Municipality Corporation, Dist. – North 24 Pgs.

This is in reference to your application no. 0125188231100008 dated 18-01-2023 regarding the Revised Fire Safety Recommendation for additional construction of 5 wings namely Wing H (G+29), Wing I (G+29), Wing J (G+29), Wing K (G+29) and Wing L (G+30) with previous sanctioned Wing A&B, both B+G+25, Wing C&D B+G+25, Wing E&F, B+G+21, Wing G (B+G+25) and a club building (B+G+2) storied at Mahish Bathan, Bidhannagar Municipality Corporation, Dist. – North 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 office is issuing **Revised Fire Safety Recommendation** in favor of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:

Fire Safety recommendation will remain same as issued vide Memo No. WBFES/1638/16 dt 23/02/2016 in addition to the following requirements as per NBC Part-IV, 2016 for strict compliance:

1. Overhead Water reservoir 20,000 Ltrs exclusive be provided in each wing for fire fighting.
2. Pressurization of staircase and Fire Fighting Shaft:
 - a. Staircases to be pressurized as marked in the plan & pressure difference shall be 50Pa. as per N.B.C. Part – IV 2016.
 - b. The firefighting shaft shall necessarily have connectivity directly to exit discharge or through exit passageway (having 120 min fire resistance walls with F.C.D.) to exit discharge.
 - c. Staircase lobby of a firefighting shaft shall be smoke controlled as marked in the plan.

d. Pressurization requirement for staircase in firefighting shaft and for other fire exit staircases in buildings be evaluated to limit the force required to operate the door assembly (in the direction of door opening) to not more than 133 N to set the door leaf in motion. The aspect of pressurization, door area/width and door closure shall be planned in consideration to the above.

3. Intelligence Analogue System: -

a. Auto Fire Alarm System with analogue addressable smoke/ Heat detector as per suitability shall be installed in all floor area.

b. Addressable analogue manual call boxes incorporating with sounders shall be installed in all floors area of the building in such a manner that maximum travel distance shall not be more than 30.0 mtrs in order to reach any of the call point.

c. Micro Processor based fire alarm panel shall be installed and all shall also be connected with main panel at the Fire Control Room of the premises having direct facility to the local fire service unit.

d. Public address system shall be made available in all floors of the building. The system shall be connected to the Main Control Room.

e. All the installation shall also be satisfying the I. S. specifications 2189(a amended) and the code of practice as laid down in the N. B C. Part-IV, 2016.

4. Firefighting Shaft(Fire Tower):-

a. An enclosed shaft having protected area of 120 min fire resistance rating comprising protected lobby, staircase and fireman's lift, connected directly to exit discharge or through exit passageway with 120 min fire resistant wall at the level of exit discharge to exit discharge.

b. These shall also serve the purpose of exit requirement/strategy for the occupants.

c. The respective floors shall be approachable from firefighting shaft enabling the firefighter to access the floor and also enabling the firefighters to assist in evacuation through fireman's lift.

d. The firefighting shaft shall be equipped with 120 min fire doors.

e. The firefighting shaft shall be equipped with fireman talk back, wet riser and landing valve in its lobby, to fight fire by firefighters.

Signature valid

Digitally signed by ABHIJIT
PANDEY
Date: 2023.02.22 14:04:05 IST

Director
West Bengal Fire & Emergency Services