

draft

**GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
13-D, MirzaGhalib Street, Kolkata – 700 016.**

Memo No. : WBFES/ 1154 /2020 /IND/WB/FES/20192020/66522

Date: 19.03.2020

**From : The Director In Charge
Fire Prevention Wing
Head Quarter
West Bengal Fire & Emergency Services**

**To : Smt PALA KAR BISWAS
(One of the partners of M/S Acube Infrastructures),
Rayan 1 No. Gram Panchayat,
Bijoyram, Katwa Road,
Dist – PURBA BURDWAN
P.S. BURDWAN,
Kolkata – 713 101.**




Sub : Fire Safety Recommendation for proposed of a G+V storied under group Residential Building at Mouza – RAYAN, JL No-68, RS Dag No-362/9061, 362, 362/1036, RS Khatian No – 913 & LR DAG No 362/9061, 362, LR Khatian No 5406, Holding No 746, P.S. BURDWAN, RAYAN 1 No. Gram Panchayat at Bijoyram Katwa Road, Dist – PURBA BURDWAN, PIN – 713101.

This is in reference to your online Application No. IND/WB/FES/20192020/66522, dated- 27/08/2019 regarding the Fire Safety Measure for the proposed occupancy of a G+V storied under group Residential Building at premises No. Mouza – RAYAN, JL No-68, RS Dag No-362/9061, 362, 362/1036, RS Khatian No – 913 & LR DAG No 362/9061, 362, LR Khatian No 5406, Holding No 746, P.S. BURDWAN, RAYAN 1 No. Gram Panchayat at Bijoyram Katwa Road, Dist – PURBA BURDWAN, PIN – 713101.

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 for Fire Safety Recommendation in favour of the aforesaid Residential Building subject to the compliance of the following fire safety measure.

1. One set of plan.
2. Recommendation placed In this file.


19/3/20
Director In Charge
Fire Prevention Wing
Head Quarters
West Bengal Fire & Emergency Services



RECOMMENDATION

CONSTRUCTION:

1. The whole construction of the proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body.
2. The interior finish decoration of the building shall be made low flame spread materials conforming L.S. specifications.
3. Provision of ventilation at the crown of the Central core-duct of the building shall be provided.
4. Arrangements shall have to made for sealing all the vertical & horizontal ducts by the materials of adequate Fire resisting capacity.

B. OPEN SPACE & APPROCH:

1. The approach roads shall be sufficiently strong to withstand the load of Fire Engine Weighing up to 45 M.T.
2. The width and height of the access gates into the premises shall not less than 4.5 Mt. - 5 Mt. respecting abutting the road.

C. STAIRCASE:

1. The staircase of the buildings shall be made of bricks / R.C.C type having Fire resisting capacity not less than 2 hours.
2. The Staircase of the buildings shall have permanent vents at the top and openable sashes at the each floor level in the external wall of the building.
3. The width of the staircases shall be made as shown/marked in the plan. Exit doors shall conforming the relevant building rules with up-to-date amendments.
4. The staircases shall be extended up to terrace of the building and shall be negotiable to each other without entering into any occupied area.

D. LIFT:

1. Collapsible gate shall not be permitted.

E. FIRE FIGHTING WATER:

Underground reservoir of 20,000 lt. for firefighting purpose for the buildings and Overhead reservoir of 15,000 Lt. capacity exclusively for Firefighting purpose with replenishing arrangements @ 1000 lts./min preferably from two different sources of water supply shall be provided. The water reservoir shall be kept full at all time and the Fire Water Reservoir shall have overflow arrangement with the domestic Water Reservoir to avoid stagnancy of water.

F. HYDRANT SYSTEM:

1. Each building shall be provided with down comer one no. 100 mm internal diameter Pipe Line with provision of landing valves at the Staircase landings/half landings along with hose reel hose connected to terrace tank through the terrace pump at 900 LPM capacity. The system shall be so



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designed that shall be kept charged with Water all the time under pressure and shall not be less than 3.5 Kgs/Sq. cm. One such terrace pump of equal capacity shall be installed as stand by fire pump. All other requirements shall conforming I.S. 3844-1989.

2. Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R. full at all time.
3. **Fire Service Inlet** shall be installed near the entrance of the building.

G. ALARM SYSTEM:

1. Manually operated Electrical Fire Alarm System with one numbers of break glass type call boxes fitted with Hooters at each floor connecting with visual panel board.

H. ELECTRICAL INSTALLATION & DISTRIBUTION:

1. 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 preferably be of F.R.L.S. categories.
2. Electrical distribution System shall conform all the requirements as laid in I.S. 1646-1982.
3. The vertical & horizontal electrical ducts shall be sealed at each floor level by Fire fire resisting materials.

J. Alternate 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, etc. and also for illuminating the Staircase etc. and other places of assembly of the building in case of normal power failure.

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:

1. Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles (If any).
2. Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
3. Floor numbers and directional sign of escape route shall be displayed prominently.
4. The occupancy and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.
5. 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.
6. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of the building.



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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, 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.

Gre 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

**Director In-Charge
Fire Prevention Wing
West Bengal Fire & Emergency Services**

