

GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIVISIONAL FIRE OFFICER
WEST BENGAL FIRE & EMERGENCY SERVICES
430, G.T. Road(N), P.S. - Golabari, Pin - 711101

Memo No : IND/WB/FES/20182019/25033

DATE: 10/09/2018

From :
The Divisional Fire Officer
Fire Prevention Wing,
West Bengal Fire & Emergency Services.

To :
AVIK BHATTACHARYYA
HOLDING NO - 58/3 BHATTACHARJEE PARA LANE , SHIBPUR, HOWRAH
Shibpur F.S., Shibpur,
Howrah - 711104 .

Sub : Fire & Life Safety measures for proposed construction of 03 nos G+II storied under group Residential Building as Block – A,B,C at the premises no 58/3, Bhattacharjee Para Lane, Dag No - 190,231, L.R. Kh No. 520,521,522, L.R. JL No.01, P.S. : Chatterjeehat, HMC, Ward No. 44, Borough n- VI, Howrah - 711 104.

This is in reference to your Application No. IND/WB/FES/20182019/25033, dated 10/09/2018, regarding the Fire Safety Measures for proposed construction of 03 nos G+II storied under group Residential Building as Block – A,B,C at the premises no 58/3, Bhattacharjee Para Lane, Dag No - 190,231, L.R. Kh No. 520,521,522, L.R. JL No.01, P.S. : Chatterjeehat, HMC, Ward No. 44, Borough n- VI, Howrah - 711 104..

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 favour of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:

1. This is in reference to the App. Id No. IND/WB/FES/20182019/25033 regarding Fire & Life Safety measures for proposed construction of 03 nos G+II storied under group Residential

Building as Block – A,B,C at the premises no 58/3, Bhattacharjee Para Lane, Dag No - 190,231, L.R. Kh No. 520,521,522, L.R. JL No.01, P.S. : Chatterjeehat, HMC, Ward No. 44, Borough n- VI, Howrah - 711 104.

A.CONSTRUCTION

- 1.The whole construction of proposed 03 nos residential building as Block – A, B, C shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body (Howrah Municipal Corporation).
- 2.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.
- 3.Arrangements shall have to be made for sealing all the horizontal and vertical ducts by the materials of adequate Fire resisting capacity.

B. OPEN SPACE& APPROACH:

- 1.The open space surrounding all the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliances with turning facility.
2. The approach roads shall be sufficiently strong to withstand the load of fire engine weighting up to 45 M.T.

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 hrs.
- 2.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.
- 3.The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conform the relevant building rules to up to date amendments.
- 4.The entire staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.

D. FIRE FIGHTING WATER, FIRE PUMP & HYDRANT SYSTEM:

- 1.Underground water reservoir having water capacity of 30,000 lts. and overhead reservoir of 5000 lts. Capacity for each block shall be provided for firefighting purpose.
- 2.Each block shall be provided with Down Comer connected to terrace tank through the terrace pump of 450 LPM capacity and providing one 100mm internal diameter pipe line at each block with provision of hose reel hose 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 be kept charged with Water all the time under pressure. In these cases the running pressure

shall not be less than 3.5kgs/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.

4. Suitable replacement arrangement has to be provided for Underground water reservoir to keep the full at all time.

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. specification 1946-1982.

2. The vertical electrical ducts shall be sealed at each floor level by fire resisting materials.

3. The electrical installation shall be adequate protected with CO₂/D.C.P. portable fire extinguishers.

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

F. FIRE ALARM SYSTEM:

1. Manually operated Electrical Fire Alarm system with one no of break glass type call boxes at each floor of each block fitted with Hooters shall be provided with panel board 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. Hooter will be sounded in such a manner so that Hooters will sounder on the same floor and immediate alternate floor.

G. FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire fighting arrangement in the style of placing suitable Fire Extinguishers, Fire Buckets etc. in all floors and vulnerable of locations of the premises shall be made in accordance with I.S. 2190-1992.

H. GENERAL RECOMMENDATION:

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

2. The security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and testing.

3. Arrangement shall be made for regular checking, testing and maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working conditions at all times.

4. The security staff as trained Fireman shall be maintained round the clock for safety of the building.

5. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.

On compliance of all 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, this Fire and Life safety recommendations will be treated as cancelled.

Reference: 111/104

Subj: Fire & Life Safety measures for proposed construction of 03 nos G+8 storied under group Residential Building as Block - A, B, C at the premises no 110, Bhattacharya Park Lane, Dug No - 100/21, L.R. Kh No. 220/21, 221, L.R. Jt. No. 01, P.S. - Chatterjee, H.O. - Barugata - 711 104.

This is in reference to your Application No. PD/INE/PES/201800 (14752/1) dated 10/03/2018, regarding Fire Safety measures for proposed construction of 03 nos G+8 storied under group Residential Building as Block - A, B, C at the premises no 110, Bhattacharya Park Lane, Dug No - 100/21, L.R. Kh No. 220/21, 221, L.R. Jt. No. 01, P.S. - Chatterjee, H.O. - Barugata - 711 104.

The plan submitted by you was scrutinized and marked as found necessary from Fire Safety point of view. Assuming that all the plan and recommendations, this is issuing Fire Safety Recommendations in favour of the proposed building subject to the compliance of the following fire safety measures.

Signature valid

Digitally signed by PRASANTA KUMAR BHOWMICK
Date: 2018.09.10 16:22:06 IST

Divisional Fire Officer
West Bengal Fire & Emergency Services

This is in reference to the App. No. PD/INE/PES/201800 (14752/1) regarding Fire & Life Safety measures for proposed construction of 03 nos G+8 storied under group Residential