



Government Of West Bengal
Office Of The Divisional Fire Officer, Purba Bardhaman
West Bengal Fire & Emergency Services
Bhangakhuti, Purba Burdwan, P.O.:- Rajbati, Pin :- 713104

Memo no.:FSR/0125186220300164

Date: 26-09-2022

From:

Divisional Fire Officer, Purba Bardhaman
West Bengal Fire & Emergency Services

To: SANDIP KUMAR GANGULY AND OTHERS

At Mouza. - Bardhaman, J.L. No. 30, Plot No. 8089, 8088, 9955, 9956, Khatian No. 1107, 2141, 20797, 20798, at Mahalla. - J.B. Mitra Road, Ward No. 29, Holding No. 73, P.S.- Burdwan, under Burdwan Municipality, Dist.- Purba Bardhaman.

Sub: Subject- Issuance of Provisional Fire Safety Recommendation for G + 5 stored Residential cum Commercial building in favor of Mr. Sandip Kumar Ganguly and Mr. Somnath Ganguly Under Mouja-Bardhaman J.L. No-30, R.S Plot No.-8089,8088 R.S. Khatian No.- 1107,2141, L.R. Plot No.-9955,9956, L.R. Khatian No.-20797,20798,20799 at Mohalla-J.B Mitra Road, Ward No.-29, Holding No.-723, P.S-Burdwan, District- Purba Bardhaman under Burdwan Municipality. On the basis of their AIN 0125186220300164.

This is in reference to your application no. 0125186220300164 dated 17-09-2022 regarding the Subject- Issuance of Provisional Fire Safety Recommendation for G + 5 stored Residential cum Commercial building in favor of Mr. Sandip Kumar Ganguly and Mr. Somnath Ganguly Under Mouja-Bardhaman J.L. No-30, R.S Plot No.-8089,8088 R.S. Khatian No.- 1107,2141, L.R. Plot No.-9955,9956, L.R. Khatian No.-20797,20798,20799 at Mohalla-J.B Mitra Road, Ward No.-29, Holding No.-723, P.S-Burdwan, District- Purba Bardhaman under Burdwan Municipality. On the basis of their AIN 0125186220300164.

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:

Recommendation-

i. Construction-

- The whole construction of the propose building shall be carried out as per approved planed drawings conforming the relevant building rules of local Municipal body.
- The floor area exceeds 750 Sq M. shall be suitably compartmented by separation walls up to ceiling level having at least two hours Fire resisting capacity.
- The interior finish decoration of the building shall be made low flame spread materials confirming I.S specification.
- Provision of ventilation at the crown of the central core-duct of the building shall be provided.

e) Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.,

ii. Open space and approach-

a) The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliance with turning facility.

b) The approach road shall be sufficiently strong to withstand the load of Fire engine weighting up to 20 Metric Ton.

c) The width and height of the access gets into the premises shall not be less than 4.5 to 5 M respecting abutting the road.

iii. Staircase-

a) 1.5 m wide maintaining travel distance (staircase one).

b) 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 the four hours.

c) The staircase of the building shall have permanent vents at the top and open able sashes at each floor level in the external wall of building.

d) The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules and wall as rule of the cinematograph Act. With up to date amendments.

e) The entire staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering in to any room.

f) Fire and smoke doors at the entrances of all the staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D shall be of at least one hour Fire resisting wire glass window fitted with self-closing type open able in the direction of escape.

iv. Fire fighting water-

Underground water reservoir having water capacity at 10000 liter and above capacity exclusively for Fire fighting with replenishing arrangements @ 1000 ltrs./min. preferably two difference sources of water supply shall be provided. The water reservoir shall have over flow arrangement with the domestic water reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full at all time.

v. Fire Fighting Pump-

a) One main Fire pump and one standby pump of capacity minimum 450 LPM and head of the pump will be 3.5 kg/cm² pressure and providing 100 mm internal diameter pipe line hose reel hose @ one such riser for 1000 sq meter of floor area. The system shall be show designed that shall be capped charge with water all the time under pressure and one stand by pump at same capacity shall also be install. All other requirement shall confirm I.S. 3844-1989.

vi. Hose Reel Hose-

Provision of Hose Reel Hose in connection with riser shall be made and connected to the basement and ground floor level.

vii. Electrical installation and Distribution-

a) The electrical installation including transformer, switch gears, Main and 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.

b) The vertical ducts shall be supply sealed at alternative floor level.

c) The major electrical installation shall be adequately protected with Co₂ / DCP or Medium Velocity / Projector system.

viii. Alternative power supply-

Arrangements shall have to be made to supply power with the help of Generator to operate at least the Fire pump, pump for Dip tube wale, Fire alarm system, Fire lift etc. and also for illuminating the staircase, corridors etc. and other places of the building in case of normal power failure.

ix. Detection and Alarm system-

a) 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, talk back system at each floor connecting with audio-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.

b) Hooter will be sounded in such a manner so that an operation of a detector or manual call point hooters will sound on the same floor and immediate alternate floor.

c) Heat detector system to be installed in the basement.

x. Public Address System-

Public address system linked between all floors and control room shall have to be established.

xi. Basement-

Each basement shall be separately ventilated. Vents with cross sectional area (aggregate) not less than 2.5% of the floor area spread evenly round the perimeter of the basement shall be provided in the form of grills or pavement lights or by way of shafts.

The staircase of basement shall be enclosed type having fire resistance not less than 2 hours.

xii. Air conditioning system (if install in commercial hall)-

a) The A.H.U shall be separated for ground floor with the system Air-ducts for two separate hall as per marked in the proposed plan drawing.

b) Arrangement shall be made for isolation at the strategic location by incorporating auto dampers in the air conditioning system.

c) The system of auto shut down of A.H.U shall be incorporated with the auto detection and alarm system.

d) The air handling units room shall not be used for storage of any combustible materials.

xiii. First Aid Fire Fighting System-

First Aid Fire Fighting arrangement in 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 I.S. 2190-1992.

xiv. General recommendation-

a) Fire License shall have to be obtained for proposed storage and processing with L.P.G. and other combustible articles, if any.

b) Fire notice for fire fighting and evacuation from the building shall be prepared and to be displayed at all vulnerable places.

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

d) The employees and security staff shall be well conversant with the installed fire fighting equipments of the building and to operate in the event of fire and testing.

e) 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 good working condition at all times.

f) A crew of trained Fireman shall be maintained round the clock for safety of the building.

g) Mock fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.

On compliance of all the above Provisional Fire and Life safety recommendations, the Director General West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation.

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 Provisional Fire Safety Recommendation will be treated as cancelled.

Signature Not Verified
Digitally signed by Bam Kumar
Chowdhury
Date: 2022.09.26 15:17:02 IST

Divisional Fire Officer, Purba Bardhaman
West Bengal Fire & Emergency Services

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