



Government Of West Bengal
Office Of The Divisional Fire Officer,Howrah
West Bengal Fire & Emergency Services
430, G.T. Road, Howrah(N), Pin :- 711101

Memo no.:FSR/0125186201301811

Date: 18-12-2020

From:

Divisional Fire Officer,Howrah
West Bengal Fire & Emergency Services

To: KOLKATA WEST INTERNATIONAL CITY PVT. LTD.
VICHITRA, KOLKATA WEST INTERNATIONAL CITY , SALAP MORE, HOWRAH

Sub: Fire Safety Recommendation for a Proposed construction of G+2 Storied Building name & style of 'KOLKATA WEST INTERNATIONAL CITY PVT. LTD.' under group of Mercantile occupancy at the premises of Plot – R2B, Kolkata West International City, Salap More, P.S. – Domjur, Howrah - 711403

This is in reference to your application no. 0125186201301811 dated 10-10-2020 regarding the Fire Safety Recommendation for a Proposed construction of G+2 Storied Building name & style of 'KOLKATA WEST INTERNATIONAL CITY PVT. LTD.' under group of Mercantile occupancy at the premises of Plot – R2B, Kolkata West International City, Salap More, P.S. – Domjur, Howrah - 711403

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:

This is in reference to your AIN : 0125186201301811 on Dated 10/10/2020 regarding

The Fire Safety Measure for a proposed construction of G+2 Storied Building name & style of 'KOLKATA WEST INTERNATIONAL CITY PVT. LTD.' under group of Mercantile occupancy at the premises of Plot – R2B, Kolkata West International City, Salap More, P.S. – Domjur, Howrah - 711403

The plan submitted by you, was scrutinized and marked as found necessary from Fire Safety point of view.

In returning herewith one set of plan, the office issuing Fire Safety Recommendation in favour of the aforesaid mention premises to the compliance of the following fire safety measures.

FIRE SAFETY RECOMMENDATIONS:-

A.CONSTRUCTION:

1)The floor area exceeds 750 m2 shall be suitably compartmented by separation walls up to ceiling level having at least two hours fire resisting capacity.

- 2)The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.
- 3)Provision of Ventilation at crown of the central core-duct of the Building shall be provided.
- 4)Arrangements shall have to be made for sealing all the Vertical ducts by the materials of adequate Fire Resisting Capacity.
- 5) this fire safety recommendation will be considered valid subject to obtaining all necessary permission/ grant from all concerned local authority and state authority if required to be obtained.Failing which this fire safety recommendation will be treated as cancelled.
- 6) Automatic smoke venting system at the top of the building shall be made as per code of practice

B.OPEN SPACE & APPROACH :

- 1)The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and manoeuvrability of Fire appliance with turning facility.
- 2)The approach roads shall be sufficiently strong to withstand and load of Fire Engine Weighting up to 45 M.T.
- 3)The Width and Height of the access gates into the premises shall not be less than 4.5-5 M respecting abutting the road.

C.STAIRCASE :-

- 01) 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 hours.
- 02) 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 the building.
- 03) The width of the staircases shall be made as marked in the plan, Corridors and the exit doors shall confirming the relevant building rules with up-to-date amendments.
- 04) All the staircase shall be extended up to terrace of the building and shall be negotiable to each floor.
- 05)Fire and smoke doors at the entrance 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.

D) Lift :-

- 01) The walls of the lift enclosure shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.

E)FIRE FIGHTING WATER

Underground water reservoir having water capacity of 100000 ltrs. Capacity and over head reservoir of 25,000 ltrs. Capacity exclusively for Fire fighting purpose with replacing arrangements 1000 ltrs/min. preferably from two different sources of water supply shall be provided. The water reservoir shall have overflow arrangement with the domestic water reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full at all time.

F)HYDRANT SYSTEM:-

- 01)The building shall be provided with Wet Riser at 150mm. Internal diameter Pipe Line with provision of twin outlet 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 be kept charged with Water all the time under pressure and capable to discharge 2400 ltrs/min. at the ground floor level outlet and minimum 900 ltrs/min. at the top most outlet. In both cases the running pressure shall not be less than 3.5 Kgs/Sq.cm. All other requirements shall conforming I.S. 3844-1989.

02) Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level. Confirming the relevant I.S. Specification.

03) Yard Hydrant/Ring Main Hydrant with provision of adequate numbers Hydrant shall be installed surrounding the building in accordance with relevant I.S. specifications.

G.SPRINKLER INSTALLATION:

01.The automatic Sprinkler installation shall be provided in entire floor Areas of the building as per I.S. 9972. Alarm gang to be incorporated along with the sprinkler system.

H.FIRE PUMP:-

Provision of the Fire Pump shall have to be made to supply water at the rate-designed pressure and discharge into the Water based system, which shall be installed in the building. One such Electric Pump of capacity 2280 LPM. always be kept on stand - by preferably be of one Diesel driven type pump of capacity 2280 LPM.

A separate Fire Pump shall preferably be made for the total Sprinkler Installation of the Building. Provision of Jockey Pump of capacity 180 LPM shall also have to be made to keep the water based system under pressurized condition at all the time. All the pumps shall be incorporated with both manual and auto starting facilities.

I.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 ducts shall be supply sealed at alternative floor level.

3) The electrical installation shall be adequately protected with Co2/D.C.P.

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

J . DETECTION AND ALARM SYSTEM :

1) Manually operated Electrical Fire Alarm system with at least four numbers of break glass type call boxes fitted with Hooters along with public address system, at each floor connection 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 confirming I.S. 2189-1988

2) Auto Fire Detection system with the help of Heat 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/F.M-200 particularly in computer and electric processing and data room & 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.

K.AIR CONDITIONING SYSTEM (if any) :

- 01)The A.H.U. shall be separated for each floor with the system Air Ducts for Individual floors.
- 02) Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Condition system.
- 03) The system of auto shut down of A.H.U. shall be incorporated with the Auto Detection and Alarm system.
- 04)The air handling units room shall not be used for storage of any combustible materials.

L.FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire Fighting arrangement in 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.

M.GENRAL RECOMENDATIONS:

- 1)Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.
- 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 Nos. and directional sign of escape route shall be displayed prominently.
- 4)The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire & Testing.
- 5)Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Installation and Equipments installed in the building to keep them in perfectly good working conditions at all times.
- 6)A crew of trained Fire man shall be maintained round the clock for safety of the building.
- 7)Mock Fire practice and Evacuation Drill shall be performed periodically with participation of occupants of building.
- 8)Each year a certificate is to be obtained from The Director General, West Bengal Fire & Emergency Services certifying about satisfactory services performance of all the Life and Fire Safety arrangements and installation of the building.

On 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 installation, F.S.C in favour of the occupancy shall issued on being satisfied with the tests and performance of safety aspects of installation of the building.

N.B. : Any deviation and changes the nature of use of the building in respect to the approved plan drawing, without obtaining prior permission from this Office, This Fire Safety Recommendation will be treated as cancelled.

Signature valid

Signed by: KAMAL KUMAR NANDY
Reason: Approved
Location: West Bengal
Date: 18-Dec-2020 16:13:18

Divisional Fire Officer,Howrah
West Bengal Fire & Emergency Services