

**GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIVISIONAL FIRE OFFICER
WEST BENGAL FIRE & EMERGENCY SERVICES**

Memo No : IND/WB/FES/20182019/47297

DATE: 26/03/2019

From :

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

To :

**BLUE ONYX P LTD
RS Plot No-780, LR Plot No-726, RS Kh.No-351, LR Kh.No-2378, RS JL No-82, LR JI No-107, Mouza-Fuljhore, Newtownship, Durgapur
Durgapur F.S., N.T.P.S. Durgapur PS,
Paschim Bardhaman - 713205 .**

Sub :Fire Safety Recommendation for a proposed construction of G + 5 storied building under group Residential at the premises no.- RS Plot No-780, LR Plot No-726, RS Kh.No-351, LR Kh.No-2378, RS JL No-82, LR JI No-107, Mouza-Fuljhore, Newtownship, Durgapur, N.T.P.S. Durgapur PS, Paschim Bardhaman - 713205

This is in reference to your Application No. IND/WB/FES/20182019/47297, dated 26/03/2019, regarding the Fire Safety Measure for a proposed construction of G + 5 storied building under group Residential at the premises no.- RS Plot No-780, LR Plot No-726, RS Kh.No-351, LR Kh.No-2378, RS JL No-82, LR JI No-107, Mouza-Fuljhore, Newtownship, Durgapur, N.T.P.S. Durgapur PS, Paschim Bardhaman - 713205.

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

3. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.

4. Provision of ventilation at the crown of the central core-duct of the building shall be provided.

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

Open Space & Approach:

1. 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.

2. The approach roads shall be sufficiently strong to withstand the 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.

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 hours.

2. The staircase of the building shall have permanent vents at the top and operable 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 conforming the relevant building rules and well as rules of the cinematograph Act. With up-to-date amendments.

4. All the staircase shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.

5. 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 operable in the direction of escape.

Fire Fighting Water:

Underground water reservoir having water capacity at 15,000 ltrs. and overhead reservoir of 10,000 ltrs. capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000 lts./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.

Hydrant System:

1. Provision of standard Hose Reel Hose supplied from the overhead reservoir through 9 H.P. booster pump shall have to be made in all the floor of the building satisfy the code of I.S. 3844-1989

2. Yard Hydrant / Ring Main Hydrant with provision of four numbers Hydrant shall be installed

surrounding the building in accordance with relevant I.S. specifications.

Sprinkler Installation:

1.The automatic Sprinkler installation shall be provided in restaurant floor areas of the building as per I.S. 9972. Alarm gang to be incorporated along with the Sprinkler system.

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. or Medium Velocity / Projector System.

Alternative Power Supply:

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

Detection System:

1.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.

2.Auto fire detection system with the help of Flame 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.Hooters 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.

Public Address System:

1.Public address system linked between all floors and Control Room shall have to be established.

Air Conditioning System (If any):

1.The A.H.U. shall be separated for each floor with the system Air Ducts for individual floors.

2.Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Conditioning system.

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

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

First Aid Fire Fighting System:

5.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.

General Recommendations:

6. Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.
 7. Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
 8. Floor numbers and directional sign of escape route shall be displayed prominently.
 9. The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.
 10. 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.
 11. A crew of trained Fireman under the experienced Officer shall be maintained round the clock for safety of the building.
 12. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
 13. Each year a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.
 14. This shall be tested as provisional N.O.C. 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 the installation, Final N.O.C. 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 provisional N.O.C. will be treated as cancelled.

Divisional Fire Officer
West Bengal Fire & Emergency Services

Validity unknown
Digitally signed by NITAI
CHATTOPADHYAY
Date: 2019.03.26 02:05:00 PDT