

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

Memo No : IND/WB/FES/20192020/70147

DATE: 16/10/2019

From :

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

To :

Sanjit Kr Singh Shrabani Singh Tarak Nath Mondal Nirmal Majhi
R.S. Plot No- 444-747(P), L.R. Plot No- 1746,1849,1854,1876,1877,2870,2871, L.R.
Khatian No- 6060,6045,5212,5211, J.L. No- 56, Mouza-Kururia, Durgapur
Durgapur F.S., Durgapur PS,
Paschim Bardhaman - 713203 .

Sub :Fire Safety Recommendation for a proposed construction of G + 5 storied building under group Residential at the premises no.- R.S. Plot No- 444-747(P), L.R. Plot No- 1746,1849,1854,1876,1877,2870,2871, L.R. Khatian No- 6060,6045,5212,5211, J.L. No- 56, Mouza-Kururia, Durgapur, Durgapur PS, Paschim Bardhaman - 713203

This is in reference to your Application No. IND/WB/FES/20192020/70147, dated 16/10/2019, regarding the Fire Safety Measure for a proposed construction of G + 5 storied building under group Residential at the premises no.- R.S. Plot No- 444-747(P), L.R. Plot No- 1746,1849,1854,1876,1877,2870,2871, L.R. Khatian No- 6060,6045,5212,5211, J.L. No- 56, Mouza-Kururia, Durgapur, Durgapur PS, Paschim Bardhaman - 713203.

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. RECOMMENDATIONS

: 2:

E. BASEMENT : (IF ANY):-

- 1)The Basement shall be adequately ventilated.
- 2)Additional Stair case from the open air as shown in the drawing shall be constructed besides the ramps conforming relevant I.S. specification.
- 3)The basement shall be protected with Auto Sprinkler system/Hose Reel system etc.
- 4)Mechanical extractor for Smoke venting system from lower/upper basement levels shall also be provided. The system shall be of such design as to operate on Actuation of heat/smoke sensitive detector or sprinkling. It shall also have an arrangement to start it manually.
- 5)Mechanical extractors shall have an alternative source of supply.
- 6)The Basement shall not be used other than car parking

F. FIRE FIGHTING WATER :

1. Underground water Reservoir having water capacity at 1,00,000. And Overhead Reservoir of 30,000 lts. Capacity exclusively for Fire Fighting purpose with replenishing arrangement @ 1000 lts/min. Preferably from Two different sources of water supply shall be provided.
2. The Fire water Reservoir shall have overflow arrangement with the domestic water Reservoir as well as to avoid stagnancy of water.
3. The water Reservoir shall be kept full at all times.

G. HYDRANT SYSTEM :-

- 1)The building shall be provided with Wet Riser 100 mm internal diameter pipe line with provision of landing valves at the Stair case 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 2850 lts. /min. at the ground floor level outlet and minimum 900 lts./min. at the top most outlet. In both cases the running pressure shall not be less than 3.5 kgs/sq.m. All other requirements shall conform

Arrangement 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 Stair case, corridors etc. and other places of assembly of the building in case of normal power failure.

K.DETECTION,ALARM AND SUPPRESSION 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, 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 Plant 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 or rooms where valuable articles have been kept. The other requirement 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 Electrical processing and data room and in a room of irreplaceable articles.

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Bengal Fire & Emg. Services certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.

9) This Fire Safety Recommendations valid for one Year from the Date of Issue and Prior information is required for further extension the period.

**Divisional Fire Officer
West Bengal Fire & Emergency Services**

Signature Not Verified
Digitally signed by NITAI
CHATTOPADHYAY
Date: 2019.10.14 11:35:26 IST