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

Memo No : IND/WB/FES/20182019/48641

DATE: 21/05/2019

From :

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

To :

APURBA MUKHERJEE

B+G+5 Storied Commercial Housing cum Commercial Building of Apurba Mukherjee  
RS Plot No-257,258,258/2829, LR Plot No-1655,1656,1658,1659,1660,1661,1662, Kh.No-  
2424, JL No-119, Mouza-Bhiringi, Durgapur  
Durgapur F.S., Durgapur PS,  
Paschim Bardhaman - 713213 .

**Sub :Fire Safety Recommendation for a proposed construction of B + G + 5 storied building under group of Residential cum Mercantile at the premises no.- B+G+5 Storied Commercial Housing cum Commercial Building of Apurba Mukherjee RS Plot No-257,258,258/2829, LR Plot No-1655,1656,1658,1659,1660,1661,1662, Kh.No-2424, JL No-119, Mouza-Bhiringi, Durgapur, Ps.Durgapur,Dist. Paschim Bardhaman PIN-713213**

This is in reference to your Application No. IND/WB/FES/20182019/48641, dated 21/05/2019, regarding the Fire Safety Measure for a proposed construction of B + G + 5 storied building under group of Residential cum Mercantile at the premises no.- B+G+5 Storied Commercial Housing cum Commercial Building of Apurba Mukherjee RS Plot No-257,258,258/2829, LR Plot No-1655,1656,1658,1659,1660,1661,1662, Kh.No-2424, JL No-119, Mouza-Bhiringi, Durgapur, Ps.Durgapur,Dist. Paschim Bardhaman PIN-713213.

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) The whole construction of the proposed B+G+5 Residential building shall be carried out/fulfil in accordance with the relevant building rule i.e NBC-IV and local authority.
- 2) The statutory open spaces surrounding the building as specified in National Building Code and local municipalities building rule and regulation, shall be free from any obstruction, projection etc and shall be open to sky at all times.
- 3) The interior finishing decoration like wall, ceiling shall be made with low flame spread materials confirming relevant IS specification.
- 4) Provision of ventilation at 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 fire resisting capacity.
- 6) All electrical wiring shall be done in accordance with the National Electrical Codes.
- 7) The approach road shall be sufficiently strong to withstand the load of Fire engine weighing min. 20 M.T.
- 8) The width and height of the access gates into the premises shall not be less than 4.5 & 5 M. respectively.
- 9) At least 2(two) no's exists ( min. Width 1.5m) or more in the form of door leading directly to the outside of the building or stairways shall be provided. All exits shall be free from obstruction.
- 10) 2(Two) no's enclosed type internal stair case having minimum Fire resisting capacity not less than 4 hrs., shall be provided as remote from each other as possible. The FCD at the entrance of the all stair cases as well as Lift lobby encloser having minimum Fire Resisting capacity shall be one hrs.
- 11) All internal stair case shall be extended from ground floor to terrace level except access to the basement shall be by a separate stair case. The slope of Ramp shall not exceed 1:10.
- 12) The wall of the lift enclose shall be at least 2hrs. Fire Resisting type. Collapsible gate shall not be permitted.
- 13) Opening in walls or floors, which are necessary to provided to allow passages of all building services like cables, electrical wirings, tele. Cables, plumbing pipes etc. Shall be protected by enclose in the form of ducts/shafts having a fire resistance not less than 2hrs. No gas piping, electrical panels shall be allowed in the stairway.
- 14) All landing of floor shall have floor indicating board as well as illuminated exit sign with arrow indicating way to the escape routes shall be provided at the suitable height from the floor level on the wall, which should comply with graphic requirements of the relevant Indian standard.
- 15) Staircase and Corridor lightning shall also be connected to alternative supply which may be provided battery continuously trickle charged from the electric main.
- 16) Rooms containing inflammable or other service equipment subject to possible explosion shall not be located directly under or adjacent of the building.
- 17) At least 1,00,000Its water capacity underground water reservoir, for only Fire Fighting



purpose with replenishing arrangement @1000lts/min. preferably from two different sources of water supply shall be provided for fire fighting purpose. One electric and one diesel pump of mini. Capacity 1620LPM and one electric pump of capacity 180LPM shall be provided to supply requisite water pressure to the rising main.

18) Wet Riser (dia100mm) with facilities of instantaneous type coupling in out let of every half landing of the stair and the system shall be such to deliver water at a pressure at the ground level and top of the landing valve 7kg/cm<sup>2</sup> and 3.5kg/cm<sup>2</sup> respectively.

19) Basement, which is likely to be used as Car parking area shall be protected by sprinkler system confirming the relevant IS specification.

19) Provision of Hose Reel in conjunction with Wet Riser shall be made at each floor level confirming the relevant IS specification. The length of the hose reel should be such that no part of the protected floor is more than 6m. away from the nozzle, at the time of fully extended.

20) At least 2nos Water Co2, 2nos ABC type, 2no Carbon dioxide type Fire Extinguisher, Fire bucket shall be installed in suitable places of each floor.

21) Manually operated electrical fire alarm system, Smoke detector, Heat Detector shall be installed in the suitable place of floors.

22) Alternative power supply with the help of Diesel Generator shall have to made to provide power to Fire pump, escape lighting, fire alarm etc. in case of normal power supply failure.

23) No storage or use of combustible materials of any kind shall be allowed in any part of the building except as necessary for day to day work.

24) Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.

25) A crew of trained fire fighting personnel shall be deployed round the clock.

26) Mock drill shall be conducted time to time with all Teacher, staff, security and students.

27) 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.

28) To eliminate fire hazards, good housekeeping, both inside and outside of the building, shall be strictly maintained regularly. Mock fire and evacuation drill shall be carried out periodically.

Any deviation and changes the nature of the use of the building in respect of submitted plan drawing, without obtaining prior permission from the office, the FSR shall be treated cancelled.

Signature valid

Digitally signed by NITAI  
CHATTOPADHYAY  
Date: 2019.05.21 18:20:41 IST

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