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Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services
Paschim Bardhaman Division, 1st Floor, Durgapur Fire Station Building, City Centre, Durgapur-16

Memo No.: FSR/211862406300003235

Date : 01-09-2024

From :
Divisional Fire Officer
Paschim Bardhaman Division
West Bengal Fire & Emergency Services

To :
Proposed G+4 Storied Residential Building Of Sri Debasish Roy.
R.S Plot no. 1402, L.R Plot no. 2203, J.L no. 119, Mouza Bhiringi, P.S Durgapur, Dist.Paschim Bardhaman,Pin-713213.

Sub: Issuance of Fire Safety recommendations for the proposed construction of G+4 storied building under group Residential in favour of 'PROPOSED G+4 STORIED RESIDENTIAL BUILDING OF SRI DEBASISH ROY', at the premises no. R.S Plot no. 1402, L.R Plot no. 2203, J.L no. 119, Mouza Bhiringi, P.S Durgapur, Dist.Paschim Bardhaman,Pin-713213..

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This is in reference to your AIN 211862406300003235 dated 09-Jul-2024 regarding Issuance of Fire Safety recommendations for the proposed construction of G+4 storied building under group Residential in favour of 'PROPOSED G+4 STORIED RESIDENTIAL BUILDING OF SRI DEBASISH ROY', at the premises no. R.S Plot no. 1402, L.R Plot no. 2203, J.L no. 119, Mouza Bhiringi, P.S 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 office is issuing Fire Safety Recommendation in favor of the aforesaid building for compliance of the following fire safety measure.

Recommendation :

(A) CONSTRUCTION

- 1) The whole construction of the proposed G+4 storied Residential building having area less than 323sqm each floor shall be carried out/fulfil in accordance with the relevant building rule i.e NBC and local authority.
- 2) The statutory open spaces surrounding the building as specified in the National Building Code and The West Bengal Municipal (Building) rule,2007 amendment up to



date, shall be free from any obstruction, projection etc and shall be open to the sky at all times.

3) The interior finishing decoration like wall, ceiling shall be made with low flame spread materials confirming relevant IS specifications.

4) 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.

5) All electrical wiring shall be done in accordance with the National Electrical Code part-Viii.

(B) OPEN SPACE AND APPROACH

1) The approach road shall be sufficiently strong to withstand the load of Fire engine weighing min. 20 M.T.

2) The width and height of the access gates into the premises shall not be less than 4.5 & 5 M. respectively.

(C) STAIR CASE AND LIFT

1) At least 2(two) no's exists(min. Width 2m) 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.

2) 1no enclosed type internal stair case(preferable 2nos) Width 1.5m having minimum Fire resisting capacity not less than 2 hrs., shall be provided as remote from each other as possible. The FCD at the entrance of all stair cases as well as Lift lobby enclosure having minimum Fire Resisting capacity shall be one hrs.

3) The staircase of the building shall have permanent vents at the top and openable sashes at each floor level in the external wall to ensure natural ventilation of the building.

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

5) The wall of the lift enclosure shall be at least 2hrs. Fire Resisting type. Collapsible gate shall not be permitted.

6) 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.

7) Staircase and Corridor lightning shall also be connected to alternative supply which may be provided battery continuously trickle charged from the electric main.

8) Rooms containing inflammable or other service equipment subject to possible explosion shall not be located directly under or adjacent of the building.

(D) FIRE FIGHTING WATER AND PUMP

1) At least 10,000lts water capacity terrace level 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 Fire pump of mini. Capacity 450LPM shall be provided to supply requisite water pressure not less than 3.5kg/cm² at terrace level.

(E) HYDRANT SYSTEM

1) Provision of Hose Reel with the conjunction of one Down Comer (dia100mm), shall be arranged at each floor level, including car, motorcycle parking space at Ground floor,



which shall be connected directly from the over head roof tank through automatically operated booster pump confirming the relevant IS specifications. 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.

2) Car Parking area of the Ground Floor shall be protected with an automatic sprinkler system.

(F) FIRST AID FIRE FIGHTING SYSTEM

1) At least 2nos ABC type, 1no Carbon dioxide type Fire Extinguisher, Fire buckets for every floor shall be installed in suitable places of each floor.

2) The electrical installation like The electrical installation including transformers, switch gears, shall be adequately protected with CO2 and ABC type fire suppression system.

(G) GENERAL RECOMMENDATION

1) Manually operated electrical fire alarm system with at least one number of break glass type call boxes in each floor, shall be installed in the suitable place of each floors.

2) 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.

3) Air condition system centrally, if any, shall have to confirm NBC code and Electrical Rules.

a. The AHU shall be separated for each floor with the system of Auto Dampers for individual floors.

b. Escape routes like staircases, common corridors, lift lobbies, shall not be used as return air passage.

c. The system of auto shut down of AHU shall be incorporated with the Auto detection and Alarm system.

d. The air handling unit room shall not be used for storage of combustible materials.

4) 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.

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

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

7) Mock drill shall be conducted time to time with all security staffs and occupants.

8) Arrangements 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.

9) 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.

After compliance with all the above Fire and Life safety recommendations, The Director General, West Bengal Fire &Emergency Services may be approached for necessary



inspection and testing of the installation, Final Fire Safety Certificate in favour of the occupancy shall be issued upon being satisfied with the tests and performances of safety aspects of the installations of the building.

Memo No.: FSR/211862406300003235



Signature Not Verified

Digitally Signed
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Divisional Fire Officer

West Bengal Fire & Emergency Services