



Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services
Lalkhuti Para, Suri, Birbhum, Pin:- 731101

Memo No.: FSR/211862506300010563

Date : 03-03-2025

From :
Divisional Fire Officer
Birbhum Division
West Bengal Fire & Emergency Services

To :
G+6 Storied Residential Building Of Sri Utpalendu Goswami
Developed by M/S ARCIV CONSULTANCY PVT LTD At Mouza-ChandiSahebganj, J.L No.-7, Kh No.-2545, Plot No.-
486, Suri, Birbhum

Sub: Fire Safety Recommendation for an existing construction of G+6 storied building under group Residential building in favour of Utpalendu Goswami, Devolved By M/S Arciv Consultancy Pvt. Ltd., Over Mouza- Chandi Sahebganj, J.L- 07, PLOT No.- 1135 and 486, K.H No.- 2545, Sub Registry Officer- Suri, P.S- Suri, Pin- 731101 and DIST-Birbhum (W.B).

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This is in reference to your AIN 211862506300010563 dated 22-Feb-2025 regarding Fire Safety Recommendation for an existing construction of G+6 storied building under group Residential building in favour of Utpalendu Goswami, Devolved By M/S Arciv Consultancy Pvt. Ltd., Over Mouza- Chandi Sahebganj, J.L- 07, PLOT No.- 1135 and 486, K.H No.- 2545, Sub Registry Officer- Suri, P.S- Suri, Pin- 731101 and DIST-Birbhum (W.B)

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 :

CONSTRUCTION:

1. The whole construction of the existing building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body.
2. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
3. Arrangement shall have to be made for sealing all the vertical and horizontal ducts by the materials of adequate fire resisting capacity.

OPEN SPACE AND APPROACH:



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1. The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting 45M.T.
2. All the Passage way should be kept clear for free access.

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 width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules.
3. One number proposed stair wide 1.5 mts as marked in the building plan drawing has to be constructed before the procurement of FSC.

FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 50,000 ltrs and overhead water reservoir having capacity of 10,000 ltrs exclusively for fire-fighting purpose with replenishing arrangements @ 1000 ltrs/min. preferably from two different sources of water supply shall be provided. The water reservoirs 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. The building shall be provided with Down Comer along with Hose Reel Hose connected to terrace tank through the terrace pump capacity of 900 LPM with providing one 100 mm. internal diameter pipe line with provision of landing valves at the ground floor level. The system shall be so designed that shall be kept charged with water all the time under pressure and one stand by pump at same capacity shall also be installed. In both cases the running pressure shall not be less than 3.5 kg/ sq.cm. All other requirements shall conform I.S. 3844-1989.
2. Provision of Hose Reel in conjunction with down comer shall be made at ground floor level confirming relevant I.S. specifications.
3. Proper replenishing arrangements shall have to be made to keep the overhead water reservoir full at all-time.
4. Provision of two way collecting head for uses of Fire Service must be provided at the entrance of the building.

FIRE PUMP:

1. Provision of the main fire pump (1650 LPM) and Jockey Pump 180 LPM 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 roof of the building, one such pump shall always be kept as stand by pump (1650 LPM)

ELECTRICAL INSTALLATION AND DISTRIBUTION:

1. The electrical installation including Transformers, Switch Gear, 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.
2. The vertical and horizontal electrical ducts shall be sealed at each floor level by fire resisting materials.
3. The electrical installation shall be adequately protected with CO2/D.C.P. Fire Extinguishers conforming I.S. specification.
4. Arrangement for alternative power supply shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Deep Tube-Well Pump, Fire Alarm System etc. and also for illuminating the Staircase, Corridors, Lobbies etc. and other places of assembly of the building in case of normal power failure

DETECTION AND ALARM SYSTEM:

1. Manually operated Electrical Fire Alarm System with at least one number of break glass type call boxes fitted with Hooters along with Public Address System at each floor connecting with visual panel board shall be made in Control Room. The Control Room shall be located at entrance of ground floor of the building; other requirements of the system shall be made conforming I.S. specifications.
2. Hooters will be sounded in such a manner so that an operation of Manual Call Point. Hooters will be sounded on the same floor and immediate alternate floor.

GENERAL RECOMMENDATIONS:

1. Fire License shall have to be obtained for proposed storing and processing 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. Directional sign of escape route shall be displayed prominently.
4. The employees and security staffs shall be conversant with installed Fire Fighting Equipments of the building and to



operate in the event of Fire and Testing.

5. 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.

6. A crew of trained Fireman 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 all occupants of the building.

8. On compliance of all the above Life and Fire Safety Recommendation, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of all the installation and thereby the Fire Safety Certificate 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 Fire Safety Recommendation will be treated as cancelled

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Signature valid

Digitally Signed.
Name: AMANESH FARUA
Date: 03-Mar-2023 20:30:59
Reason: D-Sign
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Divisional Fire Officer

West Bengal Fire & Emergency Services

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