



Government Of West Bengal
Office Of The Divisional Fire Officer, Bankura
West Bengal Fire & Emergency Services
Purulia Fire Station, Ranchi Road, Purulia, Pin:- 723101

Memo no.: FSR/0125186237800129

Date: 06-06-2023

From:
Divisional Fire Officer, Bankura
West Bengal Fire & Emergency Services

To: Sri Prasanta Das, Sri Prasanta Rakshit, Sri Gopal Chandra Das, Sri Subhash Mukherjee.
Proposed G5 Storied Residential Building Over R.S Plot no. 14030, L.R Plot no. 8719, LR Kh.
no.28918,30504,29187,29188,19914,28790,28186,30503,29189 J.L no. 101, Mouza Bishnupur, Under Bishnupur
Municipality, P.S Bishnupur, Dist. Bankura, Pin-722122.

Sub: Fire Safety Recommendation for a proposed construction of G+V storied building under group Residential building in the name & style as "Sri Prasanta Das, Sri Prasanta Rakshit, Sri Gopal Chandra Das, Sri Subhash Mukherjee" at the premises of:- R.S Plot no. 14030, L.R Plot no. 8719, LR Kh. no.28918,30504,29187,29188,19914,28790,28186,30503,29189 J.L no. 101, Mouza Bishnupur, Under Bishnupur Municipality, P.S Bishnupur, Dist. Bankura, Pin-722122.

This is in reference to your application no. 0125186237800129 dated 01-06-2023 regarding the Fire Safety Recommendation for a proposed construction of G+V storied building under group Residential building in the name & style as "Sri Prasanta Das, Sri Prasanta Rakshit, Sri Gopal Chandra Das, Sri Subhash Mukherjee" at the premises of:- R.S Plot no. 14030, L.R Plot no. 8719, LR Kh. no.28918,30504,29187,29188,19914,28790,28186,30503,29189 J.L no. 101, Mouza Bishnupur, Under Bishnupur Municipality, P.S Bishnupur, Dist. Bankura, Pin-722122.

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 favor of the aforesaid building subject to the 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:

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.

LIFT :

1. The wall of the lift enclosure shall be at least 2 hours fire resisting type.
2. Collapsible gate shall not be permitted.

FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 50,000 ltrs. and overhead water reservoir having capacity of 25,000 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 2kg/ 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.

Auto Sprinkler System:-

Automatic Sprinkler System has to be installed inside all floor areas of Ground floor of the building. The sprinkler installation shall be incorporated with alarm gang in accordance with the code of practice as per relevant I.S. Specification 9972.

FIRE PUMP:

1. Provision of the fire pump 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.

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. Apart from residential area, no Kitchen room shall be made inside the building. If require, it should be in separate enclosure apart from main building & LPG Bank shall be constructed outside of the main building as per I.S. 6044.

On compliance of all the above Life and Fire Safety Recommendation, the Director General, West Bengal Fire & Emergency Services shall be approved for necessary inspection and testing of all the installation, 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.

Divisional Fire Officer, Bankura
West Bengal Fire & Emergency Services