



Government Of West Bengal
Office Of The Director General
West Bengal Fire & Emergency Services
13D, Mirza Ghalib Street, Kolkata - 16

Memo no.:FSR/0125186221200321

Date: 12-09-2022

From:
Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services

To: Mahendra Kumar Pandya and Others
Holding J.L. No.- 20, Mouza- Bhasa, District- South 24 Parganas, Pin- 743503, Under Paschim Bishnupur Gram Panchayat

Sub: Fire Safety Recommendation for proposed construction of 117 nos. of G+II storied bunglow under group of Residential Building out of which 27nos. in Part A, 24nos. in Part B, 23nos. in Part C, 20nos. in Part D & 24nos. in Part E at Dag no. R.S. – 1499, 1500, 1501/1651, 1501/1650, 1511, 1529, 1537, 1510, 1509, 1530, 1531, 1532, 1512, 1507, 1508, 1502, 1533, 1534, 1535, 1536 and L.R. Dag no. 1560, 1578, 1586, 1559, 1558, 1580, 1581, 1579, 1561, 1556, 1550, 1557, 1558, 1559, 1582, 1583, 1584, 1546, 1549, 1548, 1585, 1545, Khatian no. 4483, 4505, 4518, 4504, 4439, 4502, 4447, 4485, 4472, 4512, 4462, 4469, 4444, 4514, 4510, 4525, 4498, 4492, 4500, 4482, 4529, 4524, 4461, 4459, 4447, 4485, 4491, 4493, 4445, 4459, 4490, 4485, 4445, 4501, 4494, 4523, 4534, 4477, 4534, 4531, 4516, 4458, 4479, 4510, 4443, 4523, 4471, 4467, 4421, 4418, 4507, 4442, 4463, 4425, 4424, 4449, 4506, 4528, 4502, 4508, 4466, 4474, 4523, 4517, 4509, 4465, 4513, 4472, 4417, 4426, Holding J.L. no. 20, Mouza – Bhasa, District – South 24 Parganas, P.S. – Bishnupur, P.O. – Bishnupur, PIN 743503 under Paschim Bishnupur Gram Panchayat.

This is in reference to your application no. 0125186221200321 dated 10-08-2022 regarding the Fire Safety Recommendation for proposed construction of 117 nos. of G+II storied bunglow under group of Residential Building out of which 27nos. in Part A, 24nos. in Part B, 23nos. in Part C, 20nos. in Part D & 24nos. in Part E at Dag no. R.S. – 1499, 1500, 1501/1651, 1501/1650, 1511, 1529, 1537, 1510, 1509, 1530, 1531, 1532, 1512, 1507, 1508, 1502, 1533, 1534, 1535, 1536 and L.R. Dag no. 1560, 1578, 1586, 1559, 1558, 1580, 1581, 1579, 1561, 1556, 1550, 1557, 1558, 1559, 1582, 1583, 1584, 1546, 1549, 1548, 1585, 1545, Khatian no. 4483, 4505, 4518, 4504, 4439, 4502, 4447, 4485, 4472, 4512, 4462, 4469, 4444, 4514, 4510, 4525, 4498, 4492, 4500, 4482, 4529, 4524, 4461, 4459, 4447, 4485, 4491, 4493, 4445, 4459, 4490, 4485, 4445, 4501, 4494, 4523, 4534, 4477, 4534, 4531, 4516, 4458, 4479, 4510, 4443, 4523, 4471, 4467, 4421, 4418, 4507, 4442, 4463, 4425, 4424, 4449, 4506, 4528, 4502, 4508, 4466, 4474, 4523, 4517, 4509, 4465, 4513, 4472, 4417, 4426, Holding J.L. no. 20, Mouza – Bhasa, District – South 24 Parganas, P.S. – Bishnupur, P.O. – Bishnupur, PIN 743503 under Paschim Bishnupur Gram Panchayat.

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:**A. 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. If the floor area remains exceed 750 m² shall be suitable compartmented by separation walls / water curtain up to ceiling level having at least Two hours Fire resisting capacity.
3. The interior finish decoration of the building shall be made of low flame spread materials conforming to I.S. specifications.
4. Provision of ventilation at the crown of the central core-duct of the building shall be provided.

B. OPEN SPACE & APPROACH:

1. The approach road shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45 M.T.
2. The width and height of the access gates into the premises shall not be less than 4.5M and 5.0 M respecting abutting the road.

C. STAIRCASE:

1. The staircases 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 2 hours.
2. The staircase of the building shall have permanent vents at the top and open able sashes at each floor level in the external wall of the building.
3. The width of the staircases shall be made as marked/shown in the plan. Corridors and the exit doors shall conforming the relevant building rules with up to date amendment.

D. FIRE FIGHTING WATER:

Underground water having capacity of 1,50,000ltrs. Capacity for Fire fighting with replenishing arrangements @1000ltrs/min. preferably from two different sources of water shall be provided. The water reservoirs shall have overflow arrangement with the domestic water reservoir as well as to prevent stagnancy of water. The water reservoirs shall be kept full at all time.

E. WATER LAYOUT SYSTEM:

1. Ring main of 150MM.Dia. pipe with provision of yard hydrant at every 30mtr. and at least 3nos. of Fire Service Inlet surrounding all bungalows shall have to be installed in accordance with relevant I.S. specifications. The system shall be so designed that shall be kept charge with water all the time under pressure and capable to discharge 2850ltrs/mint. at the ground floor level and minimum 900ltr. /mint at furthest out let. In both cases the running pressure shall not be less than 3.5kgs/sq.cm. All other requirements shall be confirming I.S.3844-1989.

F. FIRE PUMP:

1. Provision of the Fire Pump shall have to be made to supply water at the rate-designed pressure and discharge into to the Water based system, which shall be installed in the building.
2. Provision of the Jockey Pump shall also have to be made to keep the water based system under pressurized condition at all the time.
3. One such pump shall always be kept on stand-by to be of diesel driven type.

All the pumps shall be incorporated with both manual and auto starting facilities. The suction of pumps shall preferably of positive type or in case of negative suction the system shall be wet riser-cum down comer with suitable terrace pump with overhead tank.

G. ELECTRICAL INSTALLATION & DISTRIBUTION:

1. The electrical installation including transformers, switch gears, 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 specifications 1946 - 1982.

2. The vertical ducts shall be sealed at alternative floor level.

3. The electrical installation shall be adequately protected with CO2 / D.C.P Fire Extinguishers.

H. ALTERNATIVE POWER SUPPLY:

Arrangements shall have to 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, etc. and also for illuminating the staircase, corridors etc. and other places of assembly of the building in case of normal power failure.

I. FIRST AID FIRE FIGHTING SYSTEM:

First Aid fire fighting arrangement in the style of placing suitable type of portable Fire Extinguishers, Fire buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190-92.

J. GENERAL RECOMMENDATIONS:

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

2. Floor numbers and directional sign of escape route shall be displayed prominently.

3. The employees and the security staff shall be conversant with installed Fire Fighting equipment's of the building and to operate in the event of Fire and Testing.

4. Electrical audit of the occupancy shall have to be maintained periodically.

5. Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire safety installation and equipment's installed in the building to keep them in perfectly good working conditions at all times.

6. To eliminate risk of Fire Hazards, Good House Keeping both for insides and outside of the building shall be strictly maintained.

7. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of the building.

8. Ventilation arrangement in the both condition (normal and fire) shall be maintained inside the building.

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

N.B.:Any deviation and changes the nature of use of the building in respect to approved plan drawing, without obtaining prior permission from this office, this Fire Safety Recommendation will be treated as cancelled.

Signature valid

Digitally signed by ABHIJIT
PANDEY
Date: 2022.09.12 13:18:53 IST

Director
West Bengal Fire & Emergency Services