



Government Of West Bengal  
Office Of The Divisional Fire Officer, Paschim Medinipur  
West Bengal Fire & Emergency Services  
Sepoy Bazar, P.O.:- Medinipur, P.S.:- Kotwali, Pin:- 721101

Memo no.:FSR/0125186231500115

Date: 12-08-2023

From:

Divisional Fire Officer, Paschim Medinipur  
West Bengal Fire & Emergency Services

To: "SANKHABELA" IN FAVOUR OF SUHASINI CONSTRUCTIOS' PARTNERS OF 1) SRI ANANDA GOPAL MAITY,  
2) SMT. SWETA PAL (MAITY)  
SEKHPURA , J. L. NO - 172, RS PLOT NO - 97 (PART) AND 97/417 (PART), L.R. PLOT NO. - 320, HOLDING NO. -  
1425 AT STREET - STATION ROAD, WARD NO - 06, P.S. - MEDINIPUR SADAR, DIST. - PASCHIM MEDINIPUR.

Sub: Revised Fire Safety Recommendation for Proposed B+G+V storied Residential Apartment ( As per plan the basement is below 200 sq.mtrs.) under group of Residential Building In the name & Style "SANKHABELA" in favour of Suhasini Construction Partner's of 1) Sri Ananda Gopal Maity, 2) Smt. Sweta Pal (Maity), W/O- Sri Ananda Gopal Maity, At Rabindra Nagar, P.O+ P.S- Midnapore, Dist.- Paschim Medinipur, At Mouza- Sekhpura, J.L.No- 172, R.S.Plot No.- 97 (Part) & 97/417 (Part), L.R.Plot No.- 320, Holding No- 1425, at Street Station Road, Ward No.- 06, under Midnapore Municipality. The said occupancy this building already permission has been obtained FSR for Proposed B+G+III (Area – 2183.645 Sq. Mtr.) storied with in Proposed B+G+V storied building as on FSR vide memo no. – FSR/0125186231500115, Date–05.06.2023

This is in reference to your application no. 0125188231500022 dated 26-07-2023 regarding the Revised Fire Safety Recommendation for Proposed B+G+V storied Residential Apartment ( As per plan the basement is below 200 sq.mtrs.) under group of Residential Building In the name & Style "SANKHABELA" in favour of Suhasini Construction Partner's of 1) Sri Ananda Gopal Maity, 2) Smt. Sweta Pal (Maity), W/O- Sri Ananda Gopal Maity, At Rabindra Nagar, P.O+ P.S- Midnapore, Dist.- Paschim Medinipur, At Mouza- Sekhpura, J.L.No- 172, R.S.Plot No.- 97 (Part) & 97/417 (Part), L.R.Plot No.- 320, Holding No- 1425, at Street Station Road, Ward No.- 06, under Midnapore Municipality. The said occupancy this building already permission has been obtained FSR for Proposed B+G+III (Area – 2183.645 Sq. Mtr.) storied with in Proposed B+G+V storied building as on FSR vide memo no. – FSR/0125186231500115, Date–05.06.2023

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 **Revised 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 of the relevant building rules of local Municipal Body.

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SUHASINI CONSTRUCTIONS

Partner



- 2.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- 3.Arrangements shall have to be made for sealing all the vertical & horizontal ducts by the materials of adequate Fire resisting capacity.

#### B.OPEN SPACE & APPROACH:

- 1.The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and manoeuvrability of Fire appliance with turning facility.
- 2.The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45M.T.
- 3.The width and height of the access gates into the premises shall not be less than 4.5M and 5M respecting abutting the road.
- 4.Driveway should be free from any obstruction. No Parking will be allowed on the Driveway.
- 5.All the passage way should be kept clear for free access.

#### C.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 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 in the plan. Corridors and the exit doors shall conform the relevant building rules.
- 4.The staircase shall be extended up to terrace of the building and shall be negotiated to each floor.
- 5.All staircase will be pressurized by providing FCD as per shown in the plan.

#### D.BASEMENT

- 1.The basement shall be adequately ventilated either naturally or mechanically & the basement shall be used only for car parking & Pump Room.
- 2.Additional staircase from the open air as shown in the drawing shall be constructed beside the ramps conforming relevant I.S. Specification.
- 3.The basement shall be protected with auto sprinkler system / hose reel system etc.
- 4.Mechanical extractor for smoke venting system from lower/upper basement levels shall also be provided. The system shall be of such design as to operate on actuation of heat/smoke sensitive detector or sprinkling. It shall also have an arrangement to start it manually.
- 5.Mechanical extractor shall have an alternative source of supply.

#### E.LIFT (If Any):

- 1.The walls of the lift enclosure shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.
- 2.One of the lift shall design for Fire Lift, the word FIRE LIFT shall conspicuously write at ground floor.

#### F.FIRE FIGHTING WATER:

Underground water reservoir having water capacity at 50000 ltrs. and over head reservoir of 30000 ltrs. Capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000lts/min. preferably from two different sources of water supply shall be provided. The Fire water Reservoir 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.

#### G.HYDRANT SYSTEM:

- 1.The building shall be provided with wet riser of 100 mm internal diameter pipe line with provision of landing valves at the

staircase landing /half landing at the rate of one such riser for 1000sqm of floor area. The system shall be so designed that shall be kept charged with water all the time under pressure and capable to discharge 1620 ltrs/min at the ground floor level outlet and minimum 900 ltrs/min at the top most outlet and One pump having same capacity should be kept as a standby pump. In both cases the running pressure shall not be less than 3.5 kgs/cm<sup>2</sup>. All other requirements shall conforming I.S 3844-1989.

2.Provision for hose reel hose in conjunction with wet riser shall be made at each floor level conforming the relevant I.S specification.

3.Fire Service inlet shall be installed the building in accordance with relevant I.S. specifications

4.Proper Replenishing Arrangement shall have to be made to keep the O.H.W.R full at all time.

#### H.FIRST AND 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. 15683 with effect from January - 2012.

#### I.SPRINKLER INSTALATION:-

The automatic sprinkler installation shall be provided in basement and Ground floor car Parking areas of the building as per I.S. 9972. Alarm gang to be incorporated along with the sprinkler system.

#### J.ELECTRICAL INSTALATION & 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. specification 1946-1982.

2.The vertical & horizontal electrical ducts shall be scaled at each floor level by fire resisting material.

3.The electrical installation shall be adequately protected with CO<sub>2</sub>/D.C.P. Fire Extinguisher.

4.Alternative Power Supply:

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

#### K. AIR CONDITIONING SYSTEM:-

1. The A.H.U. shall be separated for each floor with the system Air ducts for individual floors.

2.Arrangement shall be made for isolation at the strategic location by incorporating auto dampers in the Air Conditioning System.

3.The system of auto shut down of A.H.U. shall be incorporated with the auto detection and alarm system.

4.The Air handling units' room shall not be used for storage of any combustible materials.

#### L.DETECTION, ALARM AND SPPRESSION SYSTEM:

1.Manually operated Electrical Fire Alarm system with at least adequate number of break glass type call bones fitted with Hooters at each floor connecting with audio – visual panel board shall be made in Control Room. The Control Room shall be located at the entrance of Ground Floor of the building other requirements of the system shall be made conforming I.S. 2189 – 1988.

2.The suppression system shall be made with Fire Extinguishers particularly in computer and Electrical processing and data room and in a room of irreplaceable articles.

3.Hooter will be sounded in such a manner so that an operation of a Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.

**M. GENERAL RECOMMENDATION:**

1. Fire License shall have to be obtained for proposed storing and processing with 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. Floor numbers and directional sign of escape route shall be displayed prominently.
4. The employees and security staff 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 under the experienced Officer 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 building.

On compliance of all the above Fire and Life safety recommendations, the Divisional Fire Officer, Paschim Medinipur Division, West Bengal Fire & 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 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 recommendation will be treated as cancelled.

Signature valid

Digitally Signed.  
Name: Barn Kumar Chatterjy  
Date: 14-Aug-2022 10:02  
Reason: Approved  
Location: West Bengal

Divisional Fire Officer, Paschim Medinipur  
West Bengal Fire & Emergency Services