

**GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
13-D Mirza Ghalib Street, Kolkata- 700 016**

Memo No : IND/WB/FES/20192020/74240

DATE: 11/02/2020

From :

The Director

Fire Prevention Wing,

West Bengal Fire & Emergency Services.

To :

**SATISH GOYAL RATAN AGARWAL SUNITA AGARWAL PREM BHOG FOOD
PRODUCTS PVT LTD**

**PLOT NO. - 109(R.S.), 119(R.S.), KHATIAN NO. -116(R.S.), MOUZA - DABGRAM, SHEET
NO. 3(R.S.), KALCHAKRA MANDIR ROAD, SALUGARA, SILIGURI - 734003**

Siliguri F.S., Siliguri,

Darjeeling - 734003 .

**Sub :Fire Safety Recommendation Proposed construction of G+V storied, total 6 nos
Blocks under group Residential Building in the name of SATISH GOYAL RATAN
AGARWAL SUNITA AGARWAL PREM BHOG FOOD PRODUCTS PVT LTD at the
premises PLOT NO. - 109(R.S.), 119(R.S.), KHATIAN NO. -116(R.S.), MOUZA -
DABGRAM, SHEET NO. 3(R.S.), KALCHAKRA MANDIR ROAD, SALUGARA, SILIGURI -
734003**

This is in reference to your Application No. IND/WB/FES/20192020/74240, dated 11/02/2020, regarding the Fire Safety Measure Proposed construction of G+V storied, total 6 nos Blocks under group Residential Building in the name of SATISH GOYAL RATAN AGARWAL SUNITA AGARWAL PREM BHOG FOOD PRODUCTS PVT LTD at the premises PLOT NO. - 109(R.S.), 119(R.S.), KHATIAN NO. -116(R.S.), MOUZA - DABGRAM, SHEET NO. 3(R.S.), KALCHAKRA MANDIR ROAD, SALUGARA, SILIGURI - 734003.

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 favour of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:

1. This Fire Safety Recommendation is being issued for a Proposed construction of G+V storied, total 6 nos Block under group Residential Building in the name of SATISH GOYAL RATAN AGARWAL SUNITA AGARWAL PREM BHOG FOOD PRODUCTS PVT LTD at the premises PLOT NO. - 109(R.S.), 119(R.S.), KHATIAN NO. -116(R.S.), MOUZA - DABGRAM, SHEET NO. 3(R.S.), KALCHAKRA MANDIR ROAD, SALUGARA, SILIGURI - 734003

CONSTRUCTION:

1. The whole construction of the proposed 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. Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

4. Roof is used as a refuge area in case of an emergency and it should be clear open for all time. No permanent or temporary structure will be allowed on the roof.

OPEN SPACE & APPROACH:

1. The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 20 M.T.

2. The width and height of the access gates into the premises shall not be less than 4M – 5 M respecting abutting the road.

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 openable 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 conforming the relevant building rules and well as rules.

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

5. Fire & Smoke doors at the entrance of all the staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of the least two hour Fire resisting Wire Glass Window fitted with self-closing type openable in the direction of escape.

LIFT:

1. The walls of the lift enclosure shall be at least two hours Fire Resisting type.

2. Collapsible gate shall not be permitted.

3. In case of failure of normal electric supply, it shall automatically trip of alternate supply and also shall have manually operated change over facility. Alternatively, the lift shall be so wired that in case of power failure, it comes down at ground level stands still with door open.

FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 50,000 ltrs for each block, and overhead reservoir of 5,000 ltrs capacity for each block exclusively for Fire fighting purpose with replenishing arrangements @ 1000 lts./min. Preferably from two different sources of water supply shall be provided. The 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.

FIRE PUMP:

1. The building's each block shall be provided with Wet Riser at 100mm. internal diameter Pipe Line with provision of landing valves at the Staircase landings / half landings at the rate of one such riser for 1000 Sq.m. 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 1680 lts/min. at the ground floor level outlet and minimum 900lts/min. at the top most outlet. In both cases the running pressure shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 – 1989.

2. 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 building. One such pump shall always be kept on stand-by preferably be of diesel driven type.

3Provision of Jockey Pump shall also have to be made to keep the Water based system under pressurized condition at all the time & and capable to discharge 140 lts/min. 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.

4Yard Hydrant / Ring Main Hydrant with provision of two numbers Hydrant With one number Fire Service Inlet shall be installed the building in accordance with relevant I.S. specification.

5Delivery hose in hose box, short branch kept at all half/full landing.

ELECTRICAL INSTALLATION & DISTRIBUTION:

1The 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.

2The vertical & horizontal ducts shall be sealed at all floor level by fire resisting materials.

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

4Alternative 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, etc. and also for illuminating the Staircase, corridors 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 three numbers of break glass type call boxes fitted with Hooters along with public address system, 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. Auto fire detection system with the help of heat and smoke detector shall be installed in all commercial shop area of ground floor block 1, community hall and kitchen area of and of below and preferably above false ceiling of the building. The other requirements of the system shall be made in accordance with I.S. 2189-1988.

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

FIRST AID FIRE FIGHTING SYSTEM:

First Aid firefighting 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 – 1992.

GENERAL RECOMMENDATIONS:

1 Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.

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

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

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

6 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.

7 A trained Fireman shall be maintained round the clock for safety of the building.

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

9 Each year a certificate is to be obtained from the Director General, West Bengal Fire &

Emergency Services certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.

On compliance of all the above Fire and Life safety recommendations, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation, Fire Safety Certificate in favor 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.

Director
West Bengal Fire & Emergency Services

Signature Not Verified
Digitally signed by TARUN
KUMAR SINHA
Date: 2020.02.14 16:23:27 IST