



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

Memo no.:FSR/0125186231100185

Date: 04-04-2023

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

To: PARK PROPERTIES

MUNICIPAL HOLDING NO.-295/A, GOURI NATH SHASTRI SARANI, AT MOUZA- SATGACHI, J.L. NO.-20, COMPRISED IN C.S. DAG NO.-2861-2865, L.R. DAG NO.-7455, L.R. KHATIAN NO.-7138,7929,7930, DIST.-24 PARGANAS (N), P.S.-DUMDUM, WARD NO.-27, UNDER SOUTH DUM DUM MUNICIPALITY, PIN CODE-700055.

Sub: Fire Safety Recommendation for proposed construction of (G+XII) storied under group Residential Building in the name of 'PARK PROPERTIES' at Municipal Holding No. 295/A, Gouri Nath Shastri Sarani, at Mouza- Satgachi, JL No. 20 comprised IN CS Dag No. 2861-2865, Dag No. 7455, LR Khatian No.7138, 7929, 7930, Dist-24 Pgs (N), P.S.-Dum Dum, Ward No.27, under South Dumdum Muinicipality, Pin-700 055.

This is in reference to your application no. 0125186231100185 dated 04-03-2023 regarding the Fire Safety Recommendation for proposed construction of (G+XII) storied under group Residential Building in the name of 'PARK PROPERTIES' at Municipal Holding No. 295/A, Gouri Nath Shastri Sarani, at Mouza- Satgachi, JL No. 20 comprised IN CS Dag No. 2861-2865, Dag No. 7455, LR Khatian No.7138, 7929, 7930, Dist-24 Pgs (N), P.S.-Dum Dum, Ward No.27, under South Dumdum Muinicipality, Pin-700 055.

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 proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipality Body (Bidhannagar / Kolkata Municipal Corporation).
- 2.The floor area exceeds 750 m2 shall be suitably compartmented by separation walls up to ceiling level having two hours fire resisting capacity.
- 3.The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- 4.Provision of ventilation at the crown of the central core-duct of the building shall be provided.

2.Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level and conforming the relevant I.S. Specifications.

3.Provision of standard Hose Reel Hose supplied from the overhead or underground reservoir through Booster Pump shall have to be made in all the floor of the building satisfy the code of I.S. 3844-1989.

4.Yard Hydrant/Ring Main Hydrant with provision of adequate numbers hydrant shall be installed surrounding the building in accordance with relevant I.S. specifications.

#### SPRINKLER INSTALLATION:

The automatic sprinkler installation shall be provided in ground floor areas of the building as per I.S. 9972. Alarm Gong to be incorporated along with the sprinkler system.

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

2.A Separate Fire Pump shall preferably be made for the total Sprinkler Installation of the building. Provision of the Jockey Pump shall also have to be made to keep the water based system under pressurized condition at all the time. 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.

#### 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 1946-1982.

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 three numbers 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. 2189-1988.

2.Auto Fire Detection System with the help of Heat and Smoke Detectors shall be installed in all places of below and preferably above false ceiling of the building. The system shall also be made in place of rooms where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S. 2189-1988.

3.The suppression system shall be made with Fire Extinguishers and total flooding system with CO2/F.M.-200 particularly in Computer, Electrical processing and Data Room and in all rooms of irreplaceable articles.

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

5.Public Address System linked between all floors and Control Room shall have to be established.

#### INTELLIGENCE ANALOGUE SYSTEM:

1.Auto Fire Alarm System with Analogue Addressable Smoke /Heat Detectors as per suitability shall be installed in each floor.

2.Addressable analogue manual call boxes incorporating with sounders shall be installed in all floors area of the building in such a manner that maximum travel distance shall not be more than 22.5 mtrs. in order to reach any of the call point.

3.Micro Processor based Fire Alarm Panel shall be installed and all shall also be connected with main panel at the Fire

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