

**GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIVISIONAL FIRE OFFICER
WEST BENGAL FIRE & EMERGENCY SERVICES**

Memo No : IND/WB/FES/20192020/72911

DATE: 13/11/2019

From :

The Divisional Fire Officer

Fire Prevention Wing,

West Bengal Fire & Emergency Services.

To :

TAPAN KUNDU

Five Storied Residential Building of Tapan

Kundu at Andal, P.O-Andal, P.S-Andal,

Paschim Bardhaman-713321, L.R Plot No-

3060(P), 3061(P), L.R Kh. No-2654, J.L No-

52, Mouza-Andal

Ranigunj F.S., Andal PS,

Paschim Bardhaman - 713321 .

Sub :Fire Safety Recommendation for a proposed construction of G + 4 storied building under group Residential at the premises no.- Five Storied Residential Building of Tapan

Kundu at Andal, P.O-Andal, P.S-Andal,

Paschim Bardhaman-713321, L.R Plot No-

3060(P), 3061(P), L.R Kh. No-2654, J.L No-

52, Mouza-Andal, Andal PS, Paschim Bardhaman - 713321

This is in reference to your Application No. IND/WB/FES/20192020/72911, dated 13/11/2019, regarding the Fire Safety Measure for a proposed construction of G + 4 storied building under group Residential at the premises no.- Five Storied Residential Building of Tapan Kundu at Andal, P.O-Andal, P.S-Andal, Paschim Bardhaman-713321, L.R Plot No-3060(P), 3061(P), L.R Kh. No-2654, J.L No-52, Mouza-Andal, Andal PS, Paschim Bardhaman - 713321.

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. 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 floor area exceeds 750m² shall be suitable compartmented by separation wall up to ceiling level having at least 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.

5.Arrangement shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

Open Space & Approach:

6.The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliance with turning facility.

7.The approach roads shall be sufficiently strong to with stand the loan of Fire Engine weighting up to 20 M.T.

8.The width and height of the access gates into the premises shall not be less than 4.5-5 M respecting abutting the road.

Staircase:

9.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.

10.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.

11.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 of the cinematograph Act. With up-to-date amendments.

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

13.Fire and smoke doors at the entrances of the Staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least one hour Fire. Resisting wire glass window fitted with self- closing type open able in the direction of escape.

Fire Fighting Water:

14.Overhead reservoir of 5000 ltrs capacity exclusively for Firefighting purpose with replenishing arrangements @ 1000 lts./min. Preferably from two different sources of water

supply shall be provided. The water reservoir of 50000 lts 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:

15. The building shall be provided with down comer of 100mm internal diameter pipe line with provision of landing valves at the /staircase landing/half landings at the rate of one such riser of 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 1850 lts/min at the ground floor level outlet and minimum 900 lts/min at the top most outlet. In both cases the running pressure shall not be less than 3.5 Kgs/Cm². All other requirements shall conform I.S. 3844-1989.

16. Provision for Hose Reel in conjunction with down comer shall be made at each floor level conforming the relevant I.S. Specifications Provision for down comer shall be made at each floor level. Conforming the relevant I.S Specifications.

17. One main Fire pump and one standby pump, preferably diesel driven of capacity minimum 1850 LPM and head of the pump will be such that 3.5 Kgs/cm² pressure is available at the furthest/highest landing valve to be installed. Auto start facility should be incorporated in fire pump. Accordingly, Jokey pump of capacity 180LMP shall also be installed, conforming to the norms of National Building Code part-IV fire and life safety.

Electrical installation & Distribution :

18. 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 Firesafety in general building as laid down in I.S specification 1946-1982.

19. The vertical ducts shall be supply sealed at alternative floor level.

20. The major electrical installation shall be adequately protected with CO₂/D.C.P or Medium Velocity/ Projector System.

Alternative Power System:

21. Arrangement 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 the building in case of normal power failure.

Detection and Alarm System:

22. 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, talk back 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. 2089-1988.

23. Hooter will be sounded in such a manner so that an operation of a Detector or Manual

approved plan drawing, without obtaining prior permission from this office, this provisional N.O.C. will be treated as cancelled.

**Divisional Fire Officer
West Bengal Fire & Emergency Services**

Validity unknown
Digitally signed by NITAI
CHATTOPADHYAY
Date: 2019.11.13 11:39:57 IST