



GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIVISIONAL OFFICER "G" DIVISION
WEST-BENGAL FIRE & EMERGENCY SERVICES
CITY CENTRE, DURGAPUR-16

Memo No. FESG/ 391 /2011

Dated 28/11/ 2011

From : The Divisional Officer, "G" Division,
West Bengal Fire & Emergency Services,
City Centre, Durgapur-16

To : Sri Pankaj Mukherjee
1/9, Debi Nagar, Benachity,
Durgapur-13, Dist - Burdwan



Sub : Issuance of Provisional N.O.C. from the fire & Live safety point of view for the proposed construction of G+X storied Residential Buildings (10 nos.) in favour of Pankaj Mukherjee & Others, under Mouza-Bamunara, RS. Plot No. 841,842/5006, 853, L.R. Plot No. 627, 640, 641, JL No. 58 under Gopalpur Panchayat, P.S. Kanksa, Dist- Burdwan (Bldg. 24 to 31 and 47 to 49).

There is no objection from Fire Service point of view to Issuance of Provisional N.O.C. from the fire & Live safety point of view for the proposed construction of G+X storied Residential Buildings (10 nos.) in favour of Pankaj Mukherjee & Others, under Mouza-Bamunara, RS. Plot No. 841,842/5006, 853, L.R. Plot No. 627, 640, 641, JL No. 58 under Gopalpur Panchayat, P.S. Kanksa, Dist- Burdwan (Bldg. 24 to 31 and 47 to 49). subject to fulfillment of the following recommendations.

R E C O M M E N D A T I O N S

- 1) The whole construction of the proposed building shall be carried out as per approval plan-drawings conforming the relevant building rules of local Municipal Corporation as well as N.B.C. of India 2005.
- 2) The floor area exceeds 750m² shall be suitable compartmented by wall separation up to ceiling/level having two hrs. fire Resisting capacity.
- 3) The interior finish decoration shall be low flame spread materials conforming I.S. specification.
- 4) Provision of sufficient ventilation shall be provided (at the crown of the Central core-duct).

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Director

B. OPEN SPACE AND APPROACH ROAD:-

- 1) The open space of the surrounding building shall conform the relevant building rules as well as to permit the easy accessibility of Fire appliances.
- 2) The approach roads of the surrounding building shall be sufficient strong to withstand the load of Fire Engine Weighting up to 20 M.T.
- 3) The width and height of the access-gates in to the premises shall not be less than 4.5M and 5M respectively.

C. STAIR CASE :-

- 1) The stair case of the bldg. shall be enclosed type, and nos of stair case will be two which shall be made bricks/R.C.C. type having Fire Resistance capacity not less than 4 hrs.
- 2) The stair case 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, tread, Riser, flight and corridors, exit doors, travel distance etc. shall conform the Relevant Bldg. Rules.
- 4) All the stair cases shall be extended up to terrace of the bldg. And shall be negotiable to each other without entering into any room.
- 5) F.C.D. at the entrances of all the stair cases enclosures as marked in the plan-drawing at each floor level shall be provided which will at least one hour Fire Resisting wire glass window fitted with Self-closing type open able in the direction of escape.

D. LIFT (If any):-

- 1) The walls of the lift enclosure shall be at least two hrs. Fire Resisting type, collapsible gate shall not be permitted.
- 2) All other requirements in this regard shall be provided as specified in the N.B.C. of India 2005 (Section-5 of part-VIII) where it is applicable.

E. FIRE FIGHTING WATER:-

- 1) Underground water reservoir having capacity at least 50000 lts to 100000 lts exclusively for Fire Fighting purpose with replenishing arrangement @ 1000 lts/min preferably from two different sources of water supply shall be provided with manhole facilities.
- 2) The Fire water Reservoir shall have over flow arrangements with the domestic water Reservoir to avoid stagnancy of water.
- 3) The water Reservoir shall be kept full water at all times.

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Director

F. BASEMENT (If any) :-

1. The basement shall be adequately ventilated.
2. Additional stair case from the air shall be constructed beside the ramp conforming I.S. specification.
3. The basement shall be protected with Auto sprinklers system/Hose Reel System etc.
4. Mechanical extractor for smoke venting system from the basement level shall be provided. The system shall be so design as to operate on actuation of heat/smoke sensitive detector or sprinkling. It shall also have an arrangement to start manually. Mechanical extractors shall have an alternative source of supply.

G. HYDRANT SYSTEM (Not required but it shall be provided if the basement area exceeds 200m2):

- 1) The building shall be provided with Wet Riser of 150 mm internal diameter pipe line with provision of landing valves at the stair case landings/half landing at the rate of one such riser for 1000m² of floor area. In case of the height of the bldg. Exceed 14.5 M above).
 - 2) The system shall be so designed that shall be kept charged with water all the time under pressure and capable to discharge 2850 lts/min at the ground floor level out and minimum 900 lts/ min at the top most out. In both cases the running pressure shall not be less tha 3.5 kg./cm².
 - 3) Provision of Hose Reel in conjunction with down comer shall be made.
 - 4) All other requirements shall conform I.S. 3844-1989.
- N.B:- Sprinkler system shall be provided if the basement area exceeds 200 m²

H. FIRE PUMP:

- 1) It shall be provided if the height of the bldg. Exceed 14.5 M above. AT THE TERRACE Tank level with minimum pressure of 2 kg/cm² @ 900 LPM.

I. ELECTRICAL INSTALLATION & DISTRIBUTION:-

- 1) The electrical installation including transformers, switch gears, Main & Meter etc. and the distribution system of the premises shall be satisfying the code of practice for Fire safety in general building as laid down in I.S.specification 1946-1982.
- 2) The vertical ducts shall be sealed at alternative floor level.
- 3) The electrical installation shall be adequately protected with C02/D.C.P. Arrangements for alternative power supply shall be made to supply power with the help of a generator to operate Fire safety Installations of the bldg. And for illuminating the stair case, corridors etc.

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J. FIRE ALARM SYSTEM: (Not required except MOFAS):

- 1) All these installations shall be made to satisfy the code of I.S. specifications (as amended up to date) 2189 -1988 and the Code of practice as laid down in N.B.C. of India 2005 Part – IV.

K . AIR CONDITIONING SYSTEM (If any):-

- 1) This system shall be made as specified in the N.B.C.of India 2005 (Section -3 of part-VIII).

L. FIRST AID FIRE FIGHTING SYSTEM :-

- 1) Fire Aid Fire Fighting arrangements in the style of placing of portable Fire Extinguishers, Fire Buckets etc. in all floor and vulnerable locations of the premises shall be made in accordance with I.S. 2190-1992.

M. GENERAL RECOMMENDATIONS :-

- 1) Fire notice for Fire Fighting installations and evacuation from the bldg. shall be prepared and displayed at all vulnerable places of the building.
- 2) Floor numbers and directional exit route shall be displayed prominently.
- 3) The occupancies and security staff shall be conversant with installed Fire Fighting equipments and to operate in the event of Fire and Testing.
- 4) Arrangement shall be made for regular checking testing and proper maintenance of all the Fire safety installations and equipments installed in the building to keep them in perfectly good working conditions at all time.
- 5) Mock Fire Drill and Evacuation Drill shall be performed periodically with participation of all occupants of building.
- 6) Every year a certificate is to be obtained from this Department certifying about the satisfactory services, performance of all the Fire and lives safety Installations of the building.
- 7) Any deviation and changes the nature of use group of the building other than approved plan-drawings shall not be permitted.
- 8) After completion of the entire construction of the building and installations of Fire Safety Equipments etc., a Letter of information must be communicated to this office for further inspection to issue the Final N.O.C. of the building.
- 9) Violation any of the above recommendation this Provisional N.O.C. shall be treated as cancelled and legal action may be taken as per F.S.Act & Rules 1950 (Amended up to date).



D. Dasgupta
28/11/14
Divisional Officer
"G" Division
West Bengal Fire & Emg. Services

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