

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

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. DETECTION, ALARM AND SUPPRESSION 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, 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. 2189 - 1988.
2. Auto fire detection system with the help of Flent and smoke detector shall be installed in all places of below and preferably above false ceiling of the building. The system shall also be made in places 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 and Electrical processing and data room and in a room of irreplaceable articles.
4. Hoqter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.
5. Public Address System :-

Public address system linked between all floors and Control Room shall have to be established.

L. AIR CONDITIONING SYSTEM: (If any)

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 locations 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.

M. FIRST AID 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. 2190 - 1992.

N. GENERAL RECOMMENDATIONS :

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.

N.C.C. in connection to the Cinema, Video, Restaurant etc. shall be obtained from appropriate authority.

The safety arrangement for the projection rooms shall be complied with as specified in the Cinematograph Act with upto date amendment.

FIRE FIGHTING WATER :

Underground water reservoir having water capacity at 1,00,000litrs. and overhead reservoir of 25,000Lts Capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000 litrs/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 150mm 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 2850 lit/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.
2. Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level. Conforming the relevant I.S. Specifications.
3. Yard Hydrant/Ring Main Hydrant with provision of adequate numbers Hydrant shall be installed surrounding the building in accordance with relevant I.S. specification.

H. SPRINKLER INSTALLATION:

The automatic Sprinkler installation shall be provided in all floor of Mercantile and shop areas of the building as per I.S. 9972. Alarm gang to be incorporated along with the sprinkler system.

I. FIRE PUMP :

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.

A separate Fire Pump shall preferably be made for the total Sprinkler Installation of the building. Provision of 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.

J. ELECTRICAL INSTALLATION & 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 ducts shall be supply sealed at alternative floor level.

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 Municipal Body
2. The floor area exceeds 750m² shall be suitably compartmented by separation walls 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 IS specifications.
4. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
5. Arrangements shall have to be made for sealing all the vertical 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 maneuverability of Fire appliance with turning facility
2. The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 43 M.T.
3. The width and height of the access gates into the premises shall not be less than 4.5M and 5 M respecting abutting the road.

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 operable 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 of the cinematograph Act. With up-to-date amendments.
4. All 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 and smoke doors at the entrances of all 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 operable in the direction of escape.

D. LIFT :

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 be designed for Fire Lift. The word "FIRE LIFT" shall conspicuously written at ground floor.

E. AUDITORIUM, CINEMA AND VIDEO HALLS & HALL :

1. The doors/niches/gangway/cross gangways/ seating arrangement/corridors in Hall etc. shall be made as per good practices of national building code, Part-IV. Fire protection as well as the conforming norms of cinematograph Act with upto date Amendment.

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

Memo. No. WBES/ 8337 / 11 / 24Pgs(N)-CB-cum-RB/283/11(283/11) Date: 22/3/11

From: Director General,
West Bengal Fire & Emergency Services.

To: Mr. Ajay Singh, C.A.,
Shree Ganeshaya Infraprojects Ltd.,
Birati, Kolkata-700 051.

Sub: Provisional N.O.C. for proposed 2Nos. G+VI storied Residential Building Complex comprising 1No. Mercantile Cum Residential and 1No. Residential building at premises No.-Holding No.156, Jangalpore, Ward No.-17, R.S. Dag No.-85, L.R.Dag No.-93, R.S. Khatian No.-120, L.R.Khatian No.-51, J.L.No.-11, Mouza-Jungalpore, R.S.-Airport, 24Pgs(N), North Dum Dum Municipality.

This is in reference to your letter No.-Nil dated 01.03.2011 regarding Provisional N.O.C. of fire safety measure for proposed construction of 2Nos. G+VI storied Residential Building Complex comprising 1No. Mercantile Cum Residential and 1No. Residential building at premises No.-Holding No.156, Jangalpore, Ward No.-17, R.S. Dag No.-85, L.R.Dag No.-93, R.S. Khatian No.-120, L.R.Khatian No.-51, J.L.No.-11, Mouza-Jungalpore, R.S.-Airport, 24Pgs(N), North Dum Dum Municipality.

The plans submitted by you were scrutinized and marked as found necessary from fire safety point of view. In returning one set of plan with recommendation, this office is issuing Provisional N.O.C. in favour of the aforesaid building subject to the compliance of the following fire safety measures.

Encls. :

1. One set of plan.
2. Recommendation.

M. M. / am.
21/3/11.
DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES