



GOVERNMENT OF WEST BENGAL
OFFICE OF THE DEPUTY DIRECTOR (SOUTH ZONE)
WEST BENGAL FIRE & EMERGENCY SERVICES
BURDWAN

Memo No. Dy. DFS/ 220 /2012

Dated : 10/07/2012

From : The Deputy Director
South Zone, Burdwan,
West Bengal Fire & Emergency Service.

To : Secy. Jahid Akhther,
J. N. KONAR COLLEGE OF EDUCATION
Vill Alinagar, P.O. Bamsore, P.S. Bhatar,
Dist. Burdwan

Sub: Issue of Provisional N.O.C. for the Existing Two storied educational building in favour of Secy. Jahid Akhther, J. N. Konar College of Education, of Mouza: Chandipur, Kh. No. 1445, Plot No. 2194, 2195, 2196, 2183, P.S. Bhatar, Dist. Burdwan.

There is no objection from Fire Service point of view to Issue of Provisional N.O.C. for the Existing Three storied educational building in favour of Secy. Jahid Akhther, J. N. KONAR COLLEGE OF EDUCATION of Mouza: Chandipur, Kh. No. 1445, Plot No. 2194, 2195, 2196, 2183 P.S. Bhatar, Dist. Burdwan. Subject to fulfillment of the following recommendations:-

RECOMMENDATIONS

A. CONSTRUCTION :-

- 1) The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.
- 2) Arrangement 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 approach roads shall be sufficiently strong to with stand the lode of Fire Engine weighting upto 20 M.T.
- 2) The width and height of the access gates into the premises shall not be less than 4.5 m and 5M respecting abutting the road.

C. STAIR CASE :-

- 1) The width of the Stair cases shall be made as marked in the Plan Corridors and the exit doors shall conforming the relevant building rules.
- 2) All the Stair cases shall be extended upto terrace of the building and shall be negotiable to each other without entering into any room.

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- 3) Fire and Smoke doors at the entrances of all the Stair case enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least be of at least one hour Fire resisting wire glass window fitted with self closing type openable 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. FIRE FIGHTING WATER :

Underground water Reservoir having water capacity at 75,000 ltrs. and overhead Reservoir 25,000 ltrs. Capacity exclusively for Fire Fighting purpose with replenishing arrangement @ 1000 lts/min. preferable 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.

F. HYDRANT SYSTEM :-

- 1) The building shall be provided with wet riser 150 mm internal diameter pipe line with provision of landing valves at the Stair case 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 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 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. 3844-1899.
- 2) Provision of Hose reel in conjunction with wet riser shall be made at each floor level conforming the relevant I.S. specification.
- 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.

G. SPRINKLER INSTALLATION :

The automatic sprinkler installation shall be provided Basement in all floor areas of the building as per I.S. 1972. Alarm gang to be incorporated along with the sprinkler system.

H. FIRE PUMP :

Provision of Fire Pump shall have to be made to supply water at the rate designed pressure and discharge into the Mater 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 or 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 Corner with suitable terrace Pump fitted with overhead tank.

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I. ELECTRICAL INSTALLATION & DISTRIBUTION :-

1. The electrical installation including transformers, Switch Gears, Min & 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.
3. The electrical installation shall be adequately protected with Co2 /D.C.P. or Medium Velocity/Projector system.
4. Alternate Power Supply :-

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 Stair case, corridors etc. and other places of assembly of the building in case of normal power failure.

J. INTELLIGENCE ANALOGUE SYSTEM :

1. Auto Fire Alarm System with analogue addressable smoke/ Heat detector as per suitability shall be installed in each floor.
2. Addressable analogue manual cell 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 mtr. In order to reach any of the cell point.
3. Micro Processor based fire alarm panel shall be installed and all shall also be connected with main panel at the Fire Control Room of the premises having direct dialing facility to the local fire service unit.
4. Both way public address systems shall be made available in all floors of the building. The system shall be connected to the Main Control Room.
5. All the installations shall also satisfy the I.S. specifications 2189 (as amended) and the code of practice as laid down in the M.B.C. Part- IV.

K. 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 unit's room shall not be used for storage of any combustible materials.



L. 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.

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.
3. Floor numbers and directional sign of escape route shall be displayed prominently.
4. The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.
5. Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working conditions at all times.
6. A crew of trained fireman under and experienced officer shall be maintained round the clock for safety of the building.
7. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
8. Each year a certificate is to be obtained from the **Dy. Director (South Zone), West Bengal Fire & Emg. Services** certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.

This shall be tested as provisional N.O.C. On compliance of all the above Fire and Life safety recommendations, the **Dy. Director (S/Z), West Bengal Fire & Emergency Services** shall be approached for necessary inspection and testing of the installation, Final N.O.C. in favour 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 provisional N.O.C. will be treated as cancelled.



Tanvir Senker
**Deputy Director
South Zone
West Bengal Fire & Emg. Services**