

GOVT. OF ASSAM
DISPUR FIRE & EMERGENCY SERVICES STATION, DISPUR, GUWAHATI.

No. DPR/F&ESS/06/ 200 /22

Date 04/03/22

To,

The Administrative Officer
Assam Don Bosco University
Tepesia, Sonapur, Kamrup (M)



SUB: - CONDITIONS TO BE FULFILLED FOR IMPLEMENTATION OF FIRE PREVENTION AND FIRE SAFETY MEASURES IN THE PROPOSED (B+G+3) STORIED EDUCATIONAL BUILDING OF ASSAM DON BOSCO UNIVERSITY ON THE PLOT OF LAND BEARING DAG NO. 290, 291, 292, 364 PATTA NO. 1, VILL- KAMARKUCHI, MOUZA- SONAPUR, KAMRUP (M).

Ref: - Your application for fire safety measures.

Sir,

With reference to the above, you are requested to implement the following minimum Fire prevention and fire safety measures in the proposed (B+G+3) storied Educational Building of Assam Don Bosco University mentioned above location for safety of lives and properties as well as the building itself.

After proper implementation of the following fire safety measures Fire Safety No Objection Certificate may be considered.

RECOMMENDATION OF MINIMUM FIRE PREVENTIVE AND FIRE SAFETY MEASURES AS PER NBC - 2016

1. Open space as shown around the building in the site plan should be kept free from any form of obstruction.
2. Passageway and clearances:-
 - a) Width of main entrance of the premises shall be not less than 4.5 mtrs.
 - b) If an arch or covered gate is constructed, it shall have a clear head- room of not less than 5 mtrs.
3. **Hose reel hose** with hose reel point should be provided in each floor of the building. The length of hose reel should be such that no part of the floor remains unprotected when the hose reel is fully extended.
4. **Down comer system** should be provided in the building.

Main Features:-

- a) **Terrace tank** of 25,000 Ltrs capacity (exclusively dedicated for fire fighting purpose) with a pump of 900 LPM should be provided in the building and should be connected with the vertical pipe of down comer / hose reel hose system. **The Pump should be connected with standby power supply (D.G. set) in case of failure of normal power supply.**
 - b) Vertical pipe of the down comer should be of 100 mm dia pipe.
 - c) Landing valve in each floor with 63 mm dia instantaneous female coupling (outlet).
 - d) Two lengths of 15 mtrs rubber lined delivery hose 63 mm in a suitable cabinet.
 - e) Branch pipe (preferably hand control branch pipe) fitted with Nozzle of 12.5 mm dia.
 - f) Other fire fighting accessories.
5. **Manually operated electric fire alarm** should be provided in each floor of the building.
 6. Installation of portable Fire Extinguisher:-
 - I. CO₂ or DCP extinguisher of 4.5/4 kg capacity should be installed in each floor of both the buildings. The extinguisher shall be so distributed over each floor area so that a person has to travel not more than 15 mtrs to reach the nearest extinguisher or in each 100 Sq. m in floor area.

- II. Adequate No. of DCP and CO₂ extinguisher of 4.5/4 kg and one AFFF extinguisher of 9 Lts. Capacity should be provided near the car parking area.
- III. Adequate No. of CO₂ extinguisher of 4.5 Kg capacity should be provided near the electric panel Board/ Switch gear room.
- IV. One AFFF extinguisher of 9 Lts capacity with ISI mark should be provided near the Generator and Transformer.

N.B.: All Fire Extinguishers should be newly introduced Indian Standard - as per IS 15683:2006

7. **Electric wiring** of the buildings should be either conduit or concealed type.
8. **Lighting conductor** should be provided to protect the buildings from lightning disaster.
9. To eliminate fire hazards, good housekeeping both inside and outside the building shall be strictly maintained by the staff and management in the building.
10. **Separate electric circuit** is to be maintained for stairway/ corridor lightning etc. in the building.
11. **FIRE DRILL AND FIRE ORDER:-** Fire notices / orders prepared to fulfil the requirement of fire fighting and evacuation from the building in the event of fire and order emergency. The staff/ security persons shall be made thoroughly conversant with their action in the event of emergency, by displaying fire notice at vantage point and also through regular training. Such notice shall be displayed prominently in board lettering.
12. Any alternation/ modification and change of the under construction building will be informed immediately to the undersigned for taking necessary action.
13. Floor wise Compliance report on fire safety measures should be submitted to the undersigned for taking further necessary action.
14. Layout plan showing location of fire safety installation should be submitted to the undersigned for approval.
15. Emergency telephone number should be displayed at prominent places.
16. **Validity of this office suggestion up to 2(two) years on receipt of communication.**

Yours faithfully,


(Abhishek Singha)

Response Team Commander,
Dispur Fire & Emergency Services Station

Dispur, Guwahati

Response Team Commander

Dispur Fire & Emergency Services Station

Date

Guwahati-781006

No.DPR/F&ESS/06/ / /22

Copy to:-

1. The Spl. DGP cum Director, Fire & Emergency Services, Assam, Guwahati for favour of kind information.

Yours faithfully,


(Abhishek Singha)

Response Team Commander
Dispur Fire & Emergency Services Station