

TO

The Director,
The M/S Teron Construction Pvt. Ltd.,
Maa Padma Commercial Complex,
House No. 289, 1st Floor, A.T. Road,
Bharalumukh, Guwahati.

SUB-

FRESH RECOMMENDATION FOR IMPLEMENTATION OF FIRE PREVENTION AND
FIRE SAFETY MEASURES IN THE PROPOSED (G + 5 & G + 8 storied)
RESIDENTIAL APARTMENT COMPLEX ON THE PLOT OF LAND BEARING DAG
NO. 132/158/135/ 136/122/468/ 117/118/ 113/ 114/123/ 124/483/ 469/
194/428/426/468/490/492, PATTAN NO. 242/ 403/7/337/ 526/399/192/
244/462/479/373/330/44/268/3/150/ 270/195, VILL. - NARAKASUR,
KANHIPARA, MOUGA - BELTOLA, AT NARAKASUR, WARD NO. 59, GUWAHATI.

Ref-

Your application Dated 09.03.2015 with a copy of letter No. GMDA/BP/1178/
04062010 Dated 06.09.2015 regarding suggestion for fire safety measures

Sir,

With reference to the above, I am to inform you that the recommendation of Fire
Prevention and fire safety measures issued vide this office No. SFSO/FPW/2140/1078/12 dated
19.10.2012 to the Director, M/S Teron Construction Pvt. Ltd., Maa Padma Commercial Complex,
House No. 289, A.T. Road, Bharalumukh, Guwahati for the proposed (G + 4 & G + 8 storied)
residential apartment complex is hereby cancelled and fresh recommendation of Fire Prevention
and Fire Safety Measures is issued as per revised drawing submitted by the authority of the
buildings.

I would therefore, request you to implement the following fresh recommendation of Fire
Prevention and Fire Safety Measures in the buildings for safety of lives and properties as well as the
building itself.

Before occupancy/ utilization of the buildings No Objection Certificate should
be obtained from the Fire & Emergency Services, Assam.

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

**(A) RECOMMENDATION OF MINIMUM FIRE PREVENTIVE AND FIRE SAFETY MEASURES OF THE
BUILDINGS UNDER CONSTRUCTION:-**

1. At least 3 (three) Nos. of water drum of 500 ltrs. capacity each should be made available
in the site in a suitable place during construction.
2. A Fire Point consisting of 3 (three) Nos. Fire Bucket, 3(three) Nos. of Fire Beater, 1 (one)
No. ceiling hook and dry sand should be made available in the construction site.
3. At least 10 (ten) Nos. Portable Fire Extinguishers of dry chemical Powder of 4 kg. capacity
should be made available in the construction site.

**(B) RECOMMENDATION OF MINIMUM FIRE PREVENTIVE AND FIRE SAFETY MEASURES OF THE
PROPOSED G + 5 & G + 8 STORIED RESIDENTIAL APARTMENT COMPLEX:-**

1. Open space around the buildings in the site plan should be kept free from any
obstruction for movement of Fire & Emergency Services vehicle in case of any
emergency.
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 buildings.
The length of hose reel should be such that no part of the floor remains unprotected
when the hose reel is fully extended.
4. **Wet riser cum down comer system** should be provided in the buildings.

Main features:-

- (a) **Terrace tank** of 20,000 Ltrs. capacity with a pump of 900 LPM (exclusive for fire fighting
purpose) should be provided in each Block of building and should connect with the vertical
pipe of wet riser cum down comer system. The Pump should be connected with standby
power supply (D.G. set) in case of failure of normal power supply.
- (b) **Underground water reservoir** of 1,00,000 ltrs. centrally with refilling arrangement
should be made available at the front side of the buildings or any suitable place. This
static storage tank shall entirely be accessible to the fire engines of local Fire Service.
Provision of suitable numbers of manholes shall be made available for inspection,
repairs, insertion of suction hose etc. The covering slab shall be able to withstand the
vehicular load of 22.5 tons at any given point when the slabs form a part of Pathway/
Driveway.
- (c) **Vertical pipe** of the Wet riser cum down comer should be of 100 mm dia pipe.

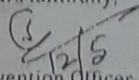
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- (d) Landing valve in each floor with 63 mm dia instantaneous female coupling (outlet).
(e) Two lengths of 15 mtrs. rubber lined delivery hose 63mm dia in a suitable cabinet.
(f) Branch pipe (preferably hand Control Branch Pipe) fitted with Nozzle of 12.5mm dia
(g) Other fire fighting accessories.
5. Manually operated electric Fire Alarm should be provided in each floor of the buildings.
6. **Installation of portable Fire Extinguisher :-**
- (i) CO₂ or D.C.P. extinguisher of 4.5/ 5 Kg. capacity should be installed in each floor of 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 D.C.P. and CO₂ extinguisher of 4/4.5 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 Extinguisher should be newly introduced Indian Standard - as per IS 15683:2006.

7. The Staircases should be ventilated to the atmosphere at each landing and a vent at the top. The vent opening shall be of 0.5 sq.m. in the external wall and the top. If the staircases cannot be ventilated because of location or other reasons a positive pressure 50 pa shall be maintained inside. The mechanism for pressurizing the staircases shall operate automatically with Fire Alarm. The roof of the shaft shall be one metre above the surrounding. Glazing or glass bricks shall not be used in the staircases.
8. Lift shaft of the buildings must be ventilated at the top. Lift must have solid door with fire resistance of at least one hour.
9. Electric wiring of the buildings should be either conduit or concealed type.
10. Lightning conductor should be provided to protect the buildings from lightning disaster.
11. Separate electric circuit is to be maintained for stairway/ corridor lightning etc. in the buildings.
12. To eliminate fire hazards, good housekeeping both inside and outside the buildings shall be strictly maintained by the staff and management in the building.
13. **COMPARTMENTATION:-** Each floor of the buildings shall be suitably compartmentalized so that Fire / smoke remain confined to the area where fire incident has occurred and does not spread to the remaining part of the building.
14. **MATERIALS FOR INTERIOR DECORATION / FURNISHING:-** The use of materials which are combustible in nature and may spread toxic fume /gases should not be used for interior decoration /furnishing etc.
15. **FIRE DRILL & FIRE ORDER :-** Fire notices /orders prepared to fulfill the requirements of fire fighting and evacuation from the buildings in the event of fire and other emergency. The staff/security persons shall be made thoroughly conversant with their action in the event of emergency, by displaying fire notice at vantage points and also through regular training. Such notices shall be displayed prominently in broad lettering.
16. Any alteration/ modification and change of the proposed buildings will be informed immediately to the undersigned for taking necessary action.
17. Floor wise Compliance report on fire safety measures should be submitted to the undersigned for taking further necessary action.
18. Layout Plan showing location of fire safety installation should be submitted to the undersigned for approval.
19. Validity of this office suggestion up to 2(two) years on receipt of communication.

Yours faithfully,


Fire Prevention Officer (E).
for and on behalf of
Director, Fire & Emergency Services,
Assam, Guwahati.

Dated Guwahati the _____

No. F&ES/FPW/2140/

Copy for information to:-

1. The Addl. Chief Secretary to the Govt. of Assam, Revenue & Disaster Management Department, Dispur.
2. The Joint Secretary to the Govt of Assam, Home (B) Department, Dispur.
3. The Deputy Commissioner, Kamrup (M), Guwahati/ Commissioner, G.M.C., Guwahati/ Chief Executive Officer, GMDA, Guwahati. He is requested not to issue the occupancy Certificate/ Trade License etc. until and unless valid N.O.C. from Fire & Emergency Services is issued.
4. The Dy General Manager, Ghty, Electrical Circle-I, Ulubari, Guwahati. He is requested not to give/ provide electricity connection until and unless valid N.O.C. from Fire & Emergency Services is issued.
5. The Station Officer, Dispur Fire & Emergency Services Station.

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Fire Prevention Officer (E).
for and on behalf of
Director, Fire & Emergency Services,
Assam, Guwahati