



GOVT. OF ASSAM
OFFICE OF THE FIRE & EMERGENCY SERVICES STATION:: SILCHAR
CACHAR::ASSAM

MEMO NO. SLC/F & ESS/27/89/15

DATED: 24/01/2015

To,

Mr. Sankar Sen

Owner of Creations.

Station Road, Tarapur, Silchar.

Sub:- Submission of inspection report of your Proposed multistoried Building in respect of Fire prevention and means of escape measures.

Sir,

With due respect and humble submission, I have visited and inspected the site of your Proposed multistoried Building at TV center Road opposite Bharat Swashram sangha, chandmary, Tarapur, Silchar, Cachar, Assam and found following particulars along with suggestion for implementation of Fire prevention and means of escape measures in your proposed building which are furnished below:

1. Name of Building Owner : Creations, station road, Tarapur Silchar,
2. Name of Land owner : Silchar Development Authority
3. Total Land Area : 7934.27 m²
4. Dag No.443/680. Patta No. (2nd R.S): -241. Mauza:Tarapur pt-viii, Paragona: - Barakpar. Ward no. 27 Dist. - Cachar.
5. Total height of building :- Block A&C-21.34m, block B-18.04m.
6. Surrounding properties :
 - a) East : Market complex of S.D.A.
 - b) West : Girish Lane.
 - c) North : Private Patta Land.
 - d) South : T.V. Center road, Govt. khas land, private patta land.
7. Total building: - 3 (Three) No. : - R.C.C Building B Block- (B+G+4)& A&C Block (B+G+5)
8. Area of each floor
 - 1) Block A&C: (a) Basement – 788.69 m² (b) Ground floor- 867.17m²
(c) 1st floor 867.17m² (d) 2nd floor 867.17m²
(e) 3rd floor 867.17m² (f) 4th floor 867.17m²
(g) 5th floor 867.17m²

- 2)Block B:- (a) Basement- 1595.70m² (b) Ground floor 1730.25m²
(c)1st floor 1730.25m²(d) 2nd floor 1730.25m²
(e) 3rd floor 1730.25m²(f) 4th floor 1730.25m²

9. Purpose of Utilization : Residential Building.

Recommendation for implementation of fire prevention and means escape measures:

- 1.The approach/Abutting road of the building should be 10 m width.
- 2.The main entrance gate should be 5 m width and 5 m height
- 3.The internal drive way should have hard surface to withstand the weight of Fire vehicles.
- 4.The open space around each side of the building should not be less than 5 m.
- 5.The service roads inside a compound shall be extended up to firefighting pump room, Electricity supply, company room, substation, DG set room
- 6.There should be at least 2 (two) staircases in the building and the staircase should lead to the terrace of the building.
- 7.The interior stairs should be constructed of non-combustible material and its handrails should be of a height not less than 100 cm but not exceeding 120 cm.
- 8.The lift enclosure should have 2 hour fire rating capacity.
- 9.The number of lifts in lift bank should not exceed four and a wall of 2 hours rating should be separate individual shafts.
- 10.At least one of the lift should be designed for fire lift with arrangement of automatic change over to alternate power supply during power failure. Fire lift should have a fireman switch at ground floor lobby to enable the Fire Service people with in minimum time.
11. No gas piping should be laid in the stairway.
12. 1 (one) Fire Point consisting of 3 (three) water buckets and 3 (three) sand buckets should be placed in each floor of the building.
13. There should be underground static water storage tank of 1, 00,000 liters capacity & terrace tank of least 25,000 liters water capacity.
14. Underground static water tank should not be more than 3.5m dept. It should be inter connected with other water storage of the premises.
15. Pump (Fire pump) near underground static water storage tank should have minimum capacity of 900 l/minute at terrace level.
16. There should be 1 (one) electric and 1 (one) diesel pump of capacity 2280 liters/min and 1 (one) electric pump of 180 liters/min.
17. Automatic sprinkler system should be installed in the basement area and basement area should have at least 2 (two) exits.

18. Additional staircase from the open air should be constructed besides ramps of the basement and it should be adequately ventilated.
19. Electrical substation rooms, DG set rooms etc. should be constructed with walls of 4 hours fire rating and shall preferably be away from the main building.
20. There should be installed lighting arrestor
21. Wires cables running above the false ceiling for various services shall invariably be in separate conduits.
22. There should be installed separate circuit for staircase lighting, corridor lighting and fire pump room and should be run from the building main panel directly. The master switch feedings/protecting these circuits shall be clearly labeled.
23. The cable for a fire lift shall be separate from the other lifts and should be fed from the essential supply arrangement.
24. The electrical wiring should be either conduit or concealed type.
25. An alternate power supply arrangement with the help of a generator to be provided to operate fire pumps, fire alarm system, deep tube well, fire lift elimination of staircase, lobby corridors and emergency escape route in case power failure.
26. There should be provided emergency exit in each block of the building.
27. D.C.P/CO₂ Fire Extinguisher having capacity 4.5/5 kg with ISI mark should be provided in the building & it should be installed in such a way that a person has to travel not more than 15 m to reach the nearest Fire extinguisher.
28. CO₂ Fire Extinguisher having capacity 4.5 kg with ISI mark should be provided near in each electric panel boards.
29. 2(two) AFFF Fire Extinguisher having capacity 9 Liters 2(two) DCP extinguishers with capacity 5kg 2(two) Carbon dioxide with capacity 4.5kg with ISI mark should be provided near the electric generator room.
30. Hose reel hose should be installed in each floor and basement of the building.
31. Wet riser- cum- down comer with GI pipe 100 mm internal diameter with landing valves on each floor/landing should be installed in the building.
32. Manually operated Electric Fire alarm system should be installed..
33. To eliminate fire hazards good housekeeping both inside and outside should be strictly maintained.
34. The emergency exits/external stairway should lead directly to the exterior of the building or to a street & it should be free of obstruction & mark with arrow sign.
35. Housekeeping/Occupant of the building must be trained to operate the Fire extinguishers and other Firefighting installations.

36. There should be provide Fire notice for fire fighting and evacuation of the building with displaying all vulnerable places, floor no. and exit signs of escape route.

Please do not treat it as NOC. Formal NOC will be issued only after implementation of the fire preventive measures as per suggestions and on received of compliance report from your end and after satisfactory inspection report of technical officers of this department.

Yours faithfully

A handwritten signature in blue ink, followed by the date '24/01/15' written in blue ink.

Station Officer

Silchar Fire & Emergency Services Station

Cachar, Assam.

MEMO NO.SLC/F&ESS/27/ /15 DATED: 24/01/2015 .

Copy for information and necessary action to:-

- 1) The Director of Fire & Emergency Services, Assam.
- 2) The Deputy Commissioner, Cachar, Silchar.
- 3) The Supdt. Of police, Cachar, Silchar.
- 4) The Chairman of Silchar Municipal Board, Cachar, Silchar.