



सत्यमेव जयते

Government of West Bengal
Office of the Divisional Fire Officer
West Bengal Fire & Emergency Services
Jalpaiguri Fire Station, Race Course Para, P.O. & P.S. :- Jalpaiguri, Pin:- 735101

Memo No.: FSR/211862406300000482

Date : 18-05-2024

From :
Divisional Fire Officer
Jalpaiguri Division
West Bengal Fire & Emergency Services

To :
M/S. SARADA CONSTRUCTION Represented By Sri. Dilip Kumar Saha, Sri. Ashok Kumar Saha & Sri. Goutam Kumar Saha
MOUZA-DABGRAM,PLOT NO-L.R.74,23,R.S.183/1124,J.L. NO-02,WARD NO-33.P.S.-BHAKTINAGAR,DIST-JALPAIGURI, PIN- 734007

Sub: Fire Safety Recommendation for LG+UG+4 storied residential cum commercial building of M/s Sarada Construction Sri. Dilip Kumar Saha at MOUZA-DABGRAM,PLOT NO-L.R.74,23,R.S.183/1124,J.L. NO-02,WARD NO-33.P.S.-BHAKTINAGAR,DIST-JALPAIGURI, PIN- 734007.

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This is in reference to your AIN 211862406300000482 dated 24-Mar-2024 regarding Fire Safety Recommendation for LG+UG+4 storied residential cum commercial building of M/s Sarada Construction Sri. Dilip Kumar Saha at MOUZA-DABGRAM,PLOT NO-L.R.74,23,R.S.183/1124,J.L. NO-02,WARD NO-33.P.S.-BHAKTINAGAR,DIST-JALPAIGURI, PIN- 734007

The plan submitted by you was scrutinized and marked as found necessary from Fire Safety point of view. In returning one set of plan with recommendation, this office is issuing Fire Safety Recommendation in favor of the aforesaid building for compliance of the following fire safety measure.

Recommendation :

(A) Construction Part:-

- i) No addition and alteration of the building shall be allowed without the concurrence of the department,
- ii) There should be two staircases from the ground to the terrace of the building in case of any multistoried type building as per NBC and it should be within travel distance up to 22.5 meters.
- iii) Risk factor of the building shall be reduced.

(B) Electrical Installation : 1946:1982 (I:S-694)

- i) All electrical installation should be done in accordance with National Electrical Code& Part –VIII



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"Building Service Section-2"Electrical installation " good practice.[4(10)].

(ii) All cable should be of FRLS type & all wiring should be done by the copper wire along with appropriate gauge such as 1.2 sq. mm for light, fan, bulbs etc. 2.5 esq. mm for freeze, T.V. & 4 Esq. for geezer, washing Machine etc.
(iii) Electrical installation shall be tested by the licensed Electricians where as 85% fire originated from electrical source of energy.

(C) Alternate power supply : Arrangement shall be made to supply power with the help of a Generator to operate at least the fire pump for deep tube-well , illumination of stairs, corridors, means of escape etc, in case of normal power failure.

(D) Hose Reel System: IS 884-1985, the Hose reel hose system should be provided at each floor of the building. The internal dia of the said hose reel shall be 19mm to 32mm.

E) Open Space & approach:

i) The open space available in the building will be kept free of obstruction at all time.

ii) The escape routes of the building should be kept free from any obstruction.

iii) The entrance route of the building should not be obstructed by any way and the width & height of the access gate shall be not less than 4.50 meters and 5.00 meters respectively.

F) Adjacent Fire Risk:

i) The risk to be avoided by keeping open space in between the buildings.

G) Means of Escape:

i) Separate entrance and exits should be provided in every room of the office, class, library & Laboratory.

H) Fire Fighting Water:

Terrace Tank for firefighting water: One or more than one Terrace Tanks of capacity Minimum 25000 liters Should be provided in the building along with suitable terrace pump & down comer and the discharge capacity not less than 900 LPM . While the length of the hose reel not more than 36.350 meters. The distance of such installation should be in such a way that no part of the floor is more than 6 meters. Distance from a hose nozzle when fully extended.

J) Detection and Alarm System, suppression system and public address system: IS: 2189:1988:

i) Manually operated electrical fire alarm system of break glass type call boxes with hooters, public address system and talk back system should be installed in different vulnerable points of the building and the storage area.

J) Small Gears: IS 903:1993: Hose Box ,15 meters permoline delivery hose & gun metal type short branch of half inch dia @ one such set each at the or near all pillar hydrant, landing valves on all area should be installed.

K) Sprinkler Installation- 9972:2002:- The automatic sprinkler installation shall be provided in the business part of vulnerable place of the building as per I.S. Code of practice. Alarm going to be incorporated along with the sprinkler System

L) First Aid Fire Fighting System: 2190:1992

i) First Aid fire fighting arrangement in the style of placing suitable type of portable fire extinguishers of different types, such as ABC type, Co2 type, Sand and Water fire buckets, etc. Should be installed in all vulnerable locations of the premises of the office , Laboratory ,Library area and other places in accordance with the I.S. code of practice.

l) The protection for buildings shall be provided as given in Part VIII building Services, Section-2 Electrical installation.

General Recommendation:

1) Employee and security staff shall be conversant with installed fire fighting equipments of the building on to operate in the event of fire and testing .

2) Arrangement shall be made for regular checking, testing and proper maintenance of all the fire safety installation and equipment installed in the building to keep them in perfectly good working conditions at all times.

3) Mock fire practice and evacuation drill should be performed periodically with participation of all occupants of building.



- 4) Good housekeeping and regular cleaning should be done regularly.
- 5) Combustible articles should be separated from the noncombustible articles.
- 6) Electrical transformer, generator etc. Should be in safe distance from the combustible articles.
- 7) Protection of personnel and provision of means of escape to be provided to avoid being exposed to or being trapped in fire or toxic fumes.
- 8) Elimination of all avoidable sources of ignition and confining all unavoidable sources of ignition.

Memo No.: FSR/211862406300000482



Signature valid

Digitally Signed.
Name: DEWAN LETCHA
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Divisional Fire Officer

West Bengal Fire & Emergency Services

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