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Government of West Bengal  
Office of the Director General  
West Bengal Fire & Emergency Services  
13D, Mirza Ghalib Street, Kolkata – 16

Memo No.: FSR/0125186221300122

Date : 09-08-2024

From :  
Director  
Fire Prevention Wing  
West Bengal Fire & Emergency Services

To :  
SUSHIL CHAMARIA  
ERGO TOWER- 1604,BLOCK EP GP SECTOR - 5, SALT LAKE KOLKATA-700091

Sub : Revised Fire Safety Recommendation for Proposed Construction of Five Numbers of Towers of G+XII (Heights=39.950 MTRS.) Storied Residential Complex for under Principal Group Occupancy Residential in the name and style of Anandadhara at R.S. Dag No.-4005 P, 4006, 4007, 4019, 4020, 4021, 4022, 4032, 5830, 5831, 5833, 5834, 5835, 5836, 5837, 4004, L. R. DAG NO.-4069, 4070, 4071, 4083, 4084, 4085, 4096, 4097, 7331, 7332, 7334, 7335, 7336, 7337, 7338, 4068, UNDER R. S. Khatian No. 1829, 1877, 1663, 1128 / 1232, 2995, 143, AT L. R. Khatian No. 3568, 5948, 1376/1, 1801/1, 5837/1, 4776, 2724/5075 / 7290 / 7291, 1208 / 1, 6667, 3267, 6666, 2278, 4257, 2819, 2336/3297 / 5283, 2683, 2687 / 5625, 1978 & NEW L. R. Khatian No. 11135, 11101, 8292, 111069, 11239, 8287, 8289, 11230, 8290, 8291, J.L. No. 33, Mouza, P.S. & ADSRO -Domjur, Howrah, W.B, India..

This is in reference to your AIN 211882406300000402 dated 21-Jun-2024 regarding the Revised Fire Safety Recommendation for Proposed Construction of Five Numbers of Towers of G+XII (Heights=39.950 MTRS.) Storied Residential Complex for under Principal Group Occupancy Residential in the name and style of Anandadhara at R.S. Dag No.-4005 P, 4006, 4007, 4019, 4020, 4021, 4022, 4032, 5830, 5831, 5833, 5834, 5835, 5836, 5837, 4004, L. R. DAG NO.-4069, 4070, 4071, 4083, 4084, 4085, 4096, 4097, 7331, 7332, 7334, 7335, 7336, 7337, 7338, 4068, UNDER R. S. Khatian No. 1829, 1877, 1663, 1128 / 1232, 2995, 143, AT L. R. Khatian No. 3568, 5948, 1376/1, 1801/1, 5837/1, 4776, 2724/5075 / 7290 / 7291, 1208 / 1, 6667, 3267, 6666, 2278, 4257, 2819, 2336/3297 / 5283, 2683, 2687 / 5625, 1978 & NEW L. R. Khatian No. 11135, 11101, 8292, 111069, 11239, 8287, 8289, 11230, 8290, 8291, J.L. No. 33, Mouza, P.S. & ADSRO -Domjur, Howrah, W.B, India..

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 Revised Fire Safety Recommendation in favor of the aforesaid building subject to the compliance of the



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## Recommendation :

Fire Safety Recommendation will remain same as issued earlier vide memo No. -FSR/0125186221300122 dated- 17.06.2022 AND

strictly to be follow with addition of under mentioned further recommendations--

### A. L. P. G BANK --

1. L. P. G. (Liquefied Petroleum Gas) Bank shall be constructed as per Gas Cylinder Rules-2004 and I.S. 6044 maintaining adequate safety distance between an installation of same and any building, public place, roadways and other surroundings. Anti-static mastic bituminized flooring shall be made inside the L.P.G. bank.
2. For multi-storied buildings, flats housing society the reticulated installation of any capacity shall be provided at a safe place specially earmarked for this purpose. The installation shall not be provided by the side of road where there is continuous movement of vehicles or is approachable to residents specially children. The installation should be secured and should be provided in a covered shed open from all sides for ventilation. The area shall be demarcated by 1.5 m high chain link fencing having one gate. There should be minimum 3 m clear space all around the fencing and the space between the fencing and the edge of the shed should be minimum 2 m all round.
3. Cross ventilation shall be provided at ground level i.e. 100 mm above of gas bank, open to atmosphere and below ceiling level at least 500 mm long & 300 mm height (covering minimum 25 % of wall area) to the outside air shall be provided and also at the top and the ventilators shall be covered by two layers of non-corrugible metal wire mesh.
4. Cylinders shall be located on a concrete or brick floor, raised minimum 100 mm from ground level in case of outdoor installations.
5. L. P. G. Bank shall never be used as store room of other articles or any combustible materials.
6. L. P. Gas Sensor/detector shall be installed inside the L.P.G. Bank area & Kitchen Area while the isolation valve or regulating devices shall be retained outside the Bank for easy operation on any operation.
7. Gas meters to be placed in a suitably constructed metal cupboard located in a well-ventilated space.
8. The controlling device of L.P.G. shall have to be placed at a far-away (at least 3 mtrs.) from gas bank.
9. FLP fittings, approved by statutory authority shall be provided for electrical use.
10. No electrical connection such as Heater, Kerosene stove, Open chulla, wirings, fittings etc. shall be installed inside the L.P.G. Bank
11. The L.P.G. Bank shall be Fire protected either by Auto Modular (D. C. P. Type) or by portable D.C.P. fire extinguisher of adequate capacity and sand buckets with dry sand, or other fire protection arrangement confirming I.S. 6044.
12. L. P. G. Bank shall be constructed of brick wall and R. C. C. Asbestos roofing having three sides closed and one side provided with open able C. I / Steel double leaf door which will open outwardly.
13. The doors of the LPG bank room to be made with non-inflammable materials which shall open outwards and shall have louvers/wire mesh to ensure visibility & ventilation.
14. Checking, testing and proper maintenance of L.P.G. installation, L.P.G. manifold. Pipe lines shall be checked by expert (authorized) agency and a certificate of safety to that effect to be endorsed to this department in due course.
15. Two buckets filled with sand & two with water shall also be installed nearby.
16. Two nos. dry power type fire extinguisher as per I. S. 2171 of K. G. capacity for LPG installations up to 200 Kg. up to 320 Kg. / Four nos. dry power type fire extinguisher of 10 K.G. capacity for LPG installations more than 320 Kg. up to 1000 Kg shall be provided and shall be located near such installations (at least 3 mtrs. Away).
17. Red Luminous lettering of minimum height of 40 mm as "DANGER / HIGHLY INFLAMABLE GAS / NO SMOKING / NO NAKED LIGHTS" on white background shall be written outside at prominent place.
18. Cylinder manifolds, Pressure regulators, Piping, Valves & other requirements to be as per I.S. 6044 (Part 1): 2013.
19. The Colour of LPG lines shall be as per I.S. 2379.

### B. PRESSURIZATION OF STAIRCASES AND LIFT LOBBIES:--

One number of internal staircase and lift lobby in each floor of all five Tower of the building shall be



mechanically ventilated as per the provision of NBC, part IV, 2016 and relevant I.S. Specification.

**C. FIRE REFUSE AREA:**

1. The Refuge area on calculating the area at the rate of 0.3 m<sup>2</sup>/person on the basis of floors area shall not be less than 15.0 SQ. M. and shall be provided on the external wall with cantilever projection or other suitable means at above +24 MT. level, 39 MM levels of the building AND as shown in the Approved plan drawing.
2. The refuge areas shall be of fire resisting construction and protected with self closing F.C.D. at the entrance from the corridors to staircase lobbies.
3. The position of refuse area shall be in such manner so that it shall be negotiable by the Fire Service Ladder from the driveway/Ground Floor. For placing of Fire Service High Rise Ladder necessary clearance and turning facility shall be maintained.
4. Each refuge area shall be ventilated and provided with first aid box, fire extinguishers, PA speaker, Fire man talk back, and adequate emergency lighting as well as drinking water facility.
5. Appropriate signage including dedicated and guided directional measures for each fire refuge areas, from respective stair cases, and necessary Fire and Life Safety installation shall be incorporated for each fire refuge area as per provision of NBC, Part-4, 2016.
6. Subject to space of 6 Meter X 15 Meter must be kept free for aerial ladder, starting from the edge of each and every Refuge area, below each and every Refuse area.

**D. LIGHTING PROTECTION OF THE BUILDING:-**

1. Lighting protection / arrester shall have to be suitable installed as per existing norms and relevant I S Specification and as per Part 8 "Building Services", Section 2 Electrical Installations.

**E. SWIMMING POOL:-**

- a. There should be a fence at least four feet high around all sides of the pool with a locked gate and the fence should be constructed so it is difficult to climb. Avoid using a side of the house in place of fencing to keep toddlers or pets from wandering into the pool area through an open door or window.
- b. Check the pool and equipment periodically for cleanliness and good maintenance. Cover all sharp edges and protruding bolts; repair rickety or broken ladders and railings. Replace non-slip materials when they water out.
- c. Mark water depth conspicuously and use a safety float line where the bottom slope deepens.
- d. Non-Slippery materials shall be use on the pool deck, diving board and ladders.
- e. The steps of the pool ladder should be at least three (3") wide and the ladder should have handrails on both sides small enough for a child to grasp. There shall be a ladder at the both end of the pool.
- f. Enforce all pool rules. Supervisor shall be available when children are swimming.
- g. Large Brass Hanging Bell shall be hanged near swimming pool area.

**F. AUTOMATIC SPRINKLER INSTALLATION:- I.S. Specification 9972:2002**

All commercial area of the Building shall be suitable protected by automatic Sprinkler installation with flow control switch having integrity with the fire alarm panel.

On compliance of all the above Life and Fire Safety Recommendation, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of all the installation, Fire Safety Certificate 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 Fire Safety Recommendation will be treated as cancelled.



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Director

West Bengal Fire and Emergency Services

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