



GOVERNMENT OF WEST BENGAL
OFFICE OF THE DEPUTY DIRECTOR (SOUTH ZONE)
WEST BENGAL FIRE & EMERGENCY SERVICES
CITY CENTRE, DURGAPUR-16.

Memo No. Dy.DFS/ 1432 /2014

Dated: 25/9 /2014

From: The Divisional Officer
"G" Division
West Bengal Fire & Emergency Services

To : Sri Mahesh Kumar Sharma, Director,
ABHILASHA HIGHTS (P) LTD & AARTI HIGHRISE (P) LTD.,
9A, Lord Sinha Road, Kolkata-7000071.

Sub : Fire Safety recommendation for the proposed constructions under the Group Residential (Apartment type/A-4) Block 1,3,4 5 and 6 G+VII storied and Block 2 G+VI storied at the premises no. Nil, Mouza: Jagatberh, J.L.No.34, L.R.Plot No. 187, L.R.Kh.No. 1449 and 1450, Holding No. 320, Ward No. 16, Mahalla: Jagatberh, Post. Sripally, P.S. & Dist. Burdwan under the Burdwan Municipality.

Ref: Your application Dated 25/9/2014.

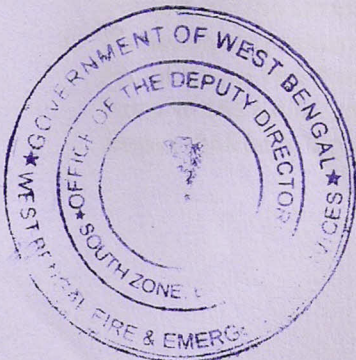
This is to reference to your letter dated 25/9/2014 regarding Fire Safety recommendation for the proposed constructions under the Group Residential (Apartment type/A-4) Block 1,3,4 5 and 6 G+VII storied and Block 2 G+VI storied at the premises no. Nil, Mouza: Jagatberh, J.L.No.34, L.R.Plot No. 187, L.R.Kh.No. 1449 and 1450, Holding No. 320, Ward No. 16, Mahalla: Jagatberh, Post. Sripally, P.S. & Dist. Burdwan under the Burdwan Municipality.

The plan drawing submitted by you was scrutinized and marked as found necessary from Fire Safety point of view i.e Fire prevention and Fire safety Rules 1996 with upto date amendment and the relevant portions of Part IV of the N.B.C., I.S. Specification and relevant building Rules of Local Bodies subject to inspection report of the Inspecting Authority of this department. In returning one set of Plan with recommendation, this office is issuing Fire Safety recommendation in favor of the aforesaid factory/ building subject to the compliance of the following Fire Safety Measure. After complying of Fire safety recommendation (Enclosed herewith) N.O.C./Fire safety certificate will be issued in due course.

Enclosed; Recommendation

[Handwritten Signature]
25/9/14

DIVISIONAL OFFICER
"G" DIVISION
WEST BENGAL FIRE & EMG. SERVICES



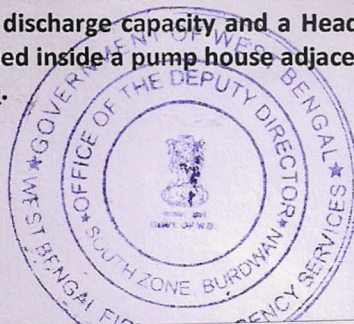
RECOMMENDATIONS

GENERAL

1. Construction of the proposed buildings shall be carried conforming the Building Bye Laws of the Local Authority, Development and Control Rule, I.S. 1642, I.S. 1644 and the National Building Code of India.
2. The open spaces around or inside a building shall conform to the requirements of Part 3 'Development Control Rules and General Building Requirements' of the N.B.C of India. The width of the main street on which the building abuts shall not be less than 12 m and one end of this street shall join another street not less than 12 m in width; The compulsory open spaces around the building shall not be used for parking; and Adequate passageway and clearances for fire fighting vehicles to enter the premises shall be provided at the main entrance; the width of such entrance shall be not less than 4.5 m. If an arch or covered gate is constructed, it shall have a clear head-room of not less than 5 m.
3. The building shall be suitably compartmented so that Fire/Smoke remains confined to the area where fire incident has occurred and does not spread to the remaining part of the building.
4. The use of materials which are combustible in nature and may spread toxic fume/gases should not be used for interior decoration/ furnishing.
5. To eliminate Fire Hazards, good housekeeping, both inside and outside the building shall be strictly maintained by the occupants and /or the floating visitors.
6. Fire notices/orders shall be prepared to fulfill the requirements of **FIRE FIGHTING** and **EVACUATION** from the building in the event of fire and other emergency. The employees/occupants shall be made thoroughly conversant with their actions in the event of emergency, by displaying fire notices at strategic points and also through regular training. Such notices should be displayed prominently in broad lettering.
7. Both the Stairs of the All blocks shall be kept open during all the time for emergency evacuation of the occupants. None of the stairs shall be obstructed by keeping anything on the stairs which may restrict the evacuation of the occupants during any emergency.
8. All internal passageway / lobby approach corridors / Lift Lobby / Staircase Access / Exit Entrance shall be through only F.C.D. (Fire Check Door)
9. All vertical and lateral openings of alternative floors shall be sealed with in-tumescent material so that smoke, fumes and fire cannot travel or spread inside the building.
10. Each Floor shall be provided sufficient nos. of M.O.E.A. (Manually Operated Electric Fire Alarm) or M.C.P. (Manual Call Point) duly connected with standard Zoning Panel.
11. The Lift shall be declared SAFE FOR USE by the Govt. Lift Inspector.
12. Mock Fire and Evacuation Drills at an interval of every 4 Month shall be conducted with keeping due record.
13. Fire Notices / Orders shall be prepared to fulfill the requirements of fire fighting and evacuation from the buildings in the event of fire and other emergency. The Occupants shall be thoroughly conversant with their actions in the event of emergency by displaying fire notices at vantage points and also through regular training. Such notices should be displayed prominently in broad lettering.

FIRE PROTECTION

1. One Under Ground Static Water Reservoir of capacity 2,00,000 Litres with alternative sources of replenishment facility through Deep Tube-well @ 1,000 Litres per minute to be constructed. The Under Ground Static Water Reservoir shall entirely accessible to the Fire Engines of W.B.F & E.S. Provision of suitable manholes shall be made available for inspection, repairs, insertion of suction hose etc. The covering slab shall be able to withstand the total vehicular load of 45 Tons equally divided to a four point load when the slab forms a part of pathway/driveway.
2. The Under Ground Static Water Reservoir shall be provided with a Fire Brigade Collecting Head with 4 Nos. of 63 mm diameter (2Nos, 63 mm diameter for pump with capacity 1400 Litres per minute) instantaneous male inlets arranged in a valve box at a suitable point at street level and connected to the static tank by a suitable fixed pipe not less than 150 mm in diameter to discharge water into the tank when required at the rate of 2250 Litres per minute if the tank is in any basement or not approachable to Fire Engine.
3. For supplying pressurized water into the MASTER BASE SYSTEM Two nos. of Electric Fire Pumps and One No. of Diesel Fire Pump of 2850 L.P.M. discharge capacity and a Head of 80 Meter along with a Jockey Pump of 180 L.P.M. capacity to be installed inside a pump house adjacent to the U/G Water Reservoir and always shall be in Positive Suction Mode.



- Wet Riser on 100 mm main having standard two ways Landing Valve on each floor shall be provided. Two Nos. of standard Delivery Hose with a suitable Branch –Nozzle in a Glass Door Hose Box shall be provided beside each Landing Valve.
5. Fire Alarm System comprising components for automatically detecting a fire & initiating an alarm of fire shall be incorporated throughout the building. The system may also include Manual Fire Alarm Call Point.
 6. Two Nos. of Hose Reel on each floor/landing of All Blocks connected with the over head water Storage Tank of 25,000 Litres capacity, through Pipe Line of 100 mm internal diameter and having replenishment arrangement through deep tube-well @ 1000 Litres per minute to be provided. A separate Fire Pump 900 L.P.M. capacity shall be installed on the terrace to supply water to the hose reel at designated pressure.
 7. 2 Nos. of Water Stored pressure type Fire Extinguishers of capacity 9 Litres each, 2 Nos. of A.B.C. Type (D.C.P.) Fire Extinguishers of capacity 6 Kgs. Each and 2 Nos. of Carbon Di-oxide Fire Extinguishers of capacity 4.5 Kgs. each to be installed at the conspicuous places on each floor /landing of the building. The performances of all Extinguishers shall strictly in accordance with the I.S.15683:2006.
 8. The Occupants shall be trained and well acquainted with the operational procedure of the installed Fire Protection Systems through regular practice and drills.
 9. There shall be a CONTROL ROOM on the ground floor and at the entrance gate of the building with Fire Detection Panel, Control Board, C.C.T.V., Talk Back facility, Public Address System, Telephone and an overall monitoring system of the entire building.
 10. Two Nos. of expert persons shall always be posted in the Control Room who can undertake the responsibility to effect the evacuation of the building, identify the exact location of Fire, confirm that the systems are in proper function and CALL THE LOCAL FIRE SERVICE if required.

ELECTRICAL INSTALLATION AND DISTRIBUTION

1. All the Electrical Installations and Distributions shall be according to the I.S. 1646:1982.
2. The vertical and horizontal ducts and opening caused due to installations and distribution shall be sealed with non combustible materials.
3. The Wiring of the entire building shall be carried by only F.R.L.S. cable duly approved by the I.S. (B.I.S.)
4. The switch gears, mains, metres, circuits and other fittings are to be well protected by the D.C.P. / CO₂ Fire Extinguishers.
5. The nearby Transformer shall be of Dry Type but if not it shall be protected with High Velocity Water Sprinklers System and be covered by R.C.C. cutout/boundary having 4 hour Fire Resistance Rating.
6. The Stair Case and Corridor lighting shall be on separate circuits and shall be independently connected so as it could be operated by one switch installation on the ground floor easily accessible to fire fighting crew at any time irrespective of the position of the individual control of the light point, if any. It should be of miniature circuit breaker type of switch so as to avoid replacement of fuse in case of crisis.
7. Arrangement of alternative power supply through diesel generator of adequate capacity shall be provided to drive the Fire Pumps and pump for the Deep Tube-well, The Panel in the Control Room, Stair Case Lighting and Fire Alarm etc.
8. Inspection, Checking, Maintenance, Repairing and Replacement of the Electrical Circuit, Wiring, Fittings and Fixture etc. shall be carried at a regular interval by License Holder Electrician. A certificate shall be obtained from him in this regard.

