FL - PLANS CA/33

GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
1/10, Mirza Galib Street, Kolkata - 700 016.

Memo No. WBFES/ 6757/ 15 Dated 8-5-15

From: Director, West Bengal Fire & Emergency Services.

To: Harsh Neotia, Vantage Infraprojects (P) Ltd, 2, Sarat Bose, Kolkata-700017.

Sub: Fire & Life safety recommendation for Proposed construction of 2Nos. of B+G+14/17Nos. & B, 2Nos of B+G+14/17nos & 1 No. B+G+14 nos etc. (The B+G+14/17nos & 1 No. B+G+14 nos. stand with 1 No B+G+3 nos) Group Unit House under group Residential Building at premises No.391A, Hazra Garden Road, Ward No.68, Borough No.XIII, Kolkata-700 019.

This is in reference to your letter No.NIL dated 20.06.2012 regarding Fire & Life safety recommendation for proposed construction of 2Nos. of B+G+14/17nos & 1 No. B+G+14 nos. (The B+G+14/17nos & 1 No. B+G+14 nos. stand with 1 No B+G+3 nos) Group Unit House under group Residential Building at premises No.-391A, Hazra Garden Road, Ward No.-68, Borough No.-XIII, Kolkata-700 019.

The plan drawings submitted by you are 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 favour of the aforesaid building subject to the compliance of the following conditions mentioned.

Enclo: 1. One set of plan.
2. Recommendation

Yours faithfully
Director
WEST BENGAL FIRE & EMERGENCY SERVICES

Fire & Life safety recommendation for proposed construction of 2Nos. of B+G+14/17nos & 1 No. B+G+14 nos. (The B+G+14/17nos & 1 No. B+G+14 nos. stand with 1 No B+G+3 nos) Group Unit House under group Residential Building at premises No.-391A, Hazra Garden Road, Ward No.-68, Borough No.-XIII, Kolkata-700 019.

RECOMMENDATION

A. **CONSTRUCTION :**
1. The whole construction of the proposed building shall be carried out as per approved plan drawings bearing the relevant building order of Kolkata Municipal Corporation.
2. The floor area exceeds 750m² shall be suitably compartmented by separation walls up to ceiling level having at least two hours Fire resisting capacity.
3. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specification.
4. Provision of ventilation at the crown of the central core shaft of the building shall be provided.
5. Arrangements shall have to be made for venting all the vertical ducts by the materials of adequate Fire resisting capacity.

B. **OTHER STYLE & ACCESSORIES :**
1. The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and unhampered movement of Fire appliances with towing facility.
2. The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighing up to 45 M.T.
3. The width and height of the access gates into the premises shall not be less than 4.5M and 5.5M respectively allowing fire road.

C. **STAIRCASE :**
1. The staircases of the building shall be enclosed type. Entire construction shall be made of bricks/R.C.C. conforming Fire resisting capacity and therefore 2 hours.
2. The staircases of the building shall have permanent vent at the top of the staircase opening to the external wall of the building.
3. The width of the staircases shall be made as stated in the plan. Corridors and the stair doors shall conforming the relevant building rules and well as rules of the concerned authority.
4. All fire staircases shall be extended up to terrace of the building and shall be negotiable to each other without passing any room.
5. The staircase doors in the staircases of all the floors are not shown or omitted in the plan at each floor level should be provided. The F.C.D. shall be of at least one hour fire resisting vent glass window fitted with self closing type opposite to the direction of escape.

D. **LIFT :**
1. The walls of the lift enclosure shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.
2. One of the lift shall be designed for Fire Lift. The word "FIRE LIFT" shall conspicuously written or painted there.
3. Lift and Lift Lobby commensurate to the horsepower shall have to be pressurized as per guide line of H.R.C. - IV, Annex "C".

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Provision of the Fire Pump shall have to be made to supply water at the rate designed pressure and discharge into the water hose installed in the building. One such pump shall always be kept on Stand by primarily for use of stand alone type.

A separate Fire Pump shall be made for the total Sprinkler installation of the building. Provision of Jockey Pump shall also have to be made to keep the Sprinkler Hose Reel system under pressurized condition at all the time. Any pump other than Jockey Pump shall be interconnected with both manual and auto starting facilities. The motor of pumps should be preferably of positive type or in case of centrifugal motion the motors shall be not exceeding Three-Horse-power with suitable tamper pump with overload cut.

H. **ELECTRICAL INSTALLATION & INSTRUMENTS :**
1. The electrical installation including transformers, Switch Gears, Main & Interior etc. and the distribution system of the premises shall be made satisfying the code of conduct for Fire safety in ground building as laid down in I.S specifications 1646 (latest).
2. The vertical ducts shall be supply vertical at alternative floor level.
3. The electrical installation shall be adequately protected with CO2/D.C.P. or Medium Velocity / Projector System.

I. **Alternative Power Supply :**
Arrangements shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Fire Lift, Fire Alarm, Telephone, Fire Lift etc. and also for illuminating the Staircase, Corridor etc. and other places of assembly of the building in case of normal power failure.

J. **VISUAL & AUDIO ALARMING SYSTEM :**
1. Auto Fire Alarm System with analogue addressable mode / Heat detector as per suitability shall be installed in each floor.
2. Addressable analogue manual call boxes incorporating with sounder shall be installed in all floors and in the building in such a manner that continuous travel distance shall not be more than 23 Meter in order to reach any one of the call point.
3. Mono Frequency Hooter of two stroke pitch shall be installed and all shall also be connected with auto panel at the Fire Control Room of the premises having direct dialing facility to the local Fire service unit.
4. Hydrant/public address systems shall be made available in all floors of the building. The system shall be connected to the Main Control Room.
5. All the installations shall also be satisfy the I.S. specifications 2189 (as amended) and the code of practice as laid down in the B.E.C. Part-IV.

K. **AIR CONDITIONING SYSTEM (If any)**
1. The A.H.U. shall be separated for each floor with the system Air Ducts for individual floors.
2. Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Conditioning system.
3. The systems of more than down of A.H.U. shall be incorporated with the auto detection and alarm system.
4. The air handling units room shall not be used for storage of any combustible materials.

N. **FIRST AID FIRE FIGHTING SYSTEM :**
First Aid Fire fighting arrangement in the style of placing suitable type of portable Fire Extinguisher, Fire Buckets etc. in all floors and in suitable locations of the premises shall be made in accordance with I.S. 15683 with effect from January 2010.

For DIRECTOR OF FIRE SERVICES
S.K. Mukherjee
Consultant Advisory

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G. **GENERAL RECOMMENDATIONS :**
1. The Layout plan have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.
2. The Manual for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
3. Fire appliances and directional sign of escape route shall be displayed prominently.
4. The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and be capable to be aware of Fire and Timing.
5. Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installations and equipments installed in the building to keep them in perfectly good working condition at all times.
6. A team of trained Firemen under the experienced Officer shall be maintained round the clock for safety of the building.
7. Mock fire drill/ rescue and evacuation drill shall be performed periodically with participation of all occupants of the building.
8. Each year a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services identifying about the satisfactory version, performance of all the Life and Fire Safety arrangements and installations of the building.

In compliance of all the above Fire and Life safety recommendation, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation. Final NOC in favour of the concerned authority shall be issued on being satisfied with the installations of above items, aspects of population of the building.

N.B. Any deviation and changes the status 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 issued as cancelled.

For DIRECTOR OF FIRE SERVICES
S.K. Mukherjee
Consultant Advisory

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Minutes of Meeting

Meeting for Fire & Life Safety Meeting Meeting date 28/05/2014 Total No of Letters: 11

Minutes of Meeting: 187

Minutes of Meeting: 1. Manoj Kr Choudhury, Chairman
2. Sri Sujit Chakraborty, Member Secretary
3. Representative of Kolkata Municipal Corporation
4. Representative of P.H.E.
5. Representative of C.M.W.S.S.B.
6. Representative of Kolkata Jal Board
7. Representative of WBSEDCL
8. Representative of Kolkata Metro Rail Corporation Ltd.
9. Representative of Kolkata Metro Rail Corporation Ltd. (Underground Section)
10. Representative of Eastern Railway
11. Representative of Kolkata Port Trust
12. Representative of Kolkata Traffic Police
13. Representative of Kolkata Municipal Corporation (Building Department)
14. Representative of Kolkata Municipal Corporation (Fire Department)
15. Representative of Kolkata Municipal Corporation (Health Department)
16. Representative of Kolkata Municipal Corporation (Conservancy Department)
17. Representative of Kolkata Municipal Corporation (Engineering Department)
18. Representative of Kolkata Municipal Corporation (Estate Department)
19. Representative of Kolkata Municipal Corporation (Law Department)
20. Representative of Kolkata Municipal Corporation (Town Planning Department)
21. Representative of Kolkata Municipal Corporation (Tax Department)
22. Representative of Kolkata Municipal Corporation (Public Health Engineering Department)
23. Representative of Kolkata Municipal Corporation (Solid Waste Management Department)
24. Representative of Kolkata Municipal Corporation (Slum Development Department)
25. Representative of Kolkata Municipal Corporation (Land & Land Reforms Department)
26. Representative of Kolkata Municipal Corporation (Land & Land Reforms Department)
27. Representative of Kolkata Municipal Corporation (Land & Land Reforms Department)