

GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
13-D, Mirza Ghalib Street, Kolkata - 700 016.

Memo. No. : WBSES / 5380 / 17 / Kol-RBC / 131 / 15 (131/15)

Date: 21.07.17

From : **Divisional Fire Officer**
Fire Prevention Wing
West Bengal Fire & Emergency Services.



To : **The Authorized Signatory,**
Mangabela Real Estates Pvt. Ltd.
1499, Dwarir Road, Mouza-Jagaddal,
JL No.-71, Ward No.-25, P.S.-Sonarpur,
District-South 24 Parganas.

Sub : **Revised Fire Safety Recommendation for Proposed Construction of 5 nos. Block (Block-1 to 5) G+VII Storied Instead of G+IV Storied & Under Construction of 4 Nos. Block (Block-6 to 9) G+IV Storied & Additional Proposed 2 Nos. Block (Block-10 to 11) G+IV Storied Under Group Residential Housing Complex at the Premises No.- 1499, Dwarir Road, Mouza-Jagaddal, JL No.-71, L.R. Khatian Nos.-3204, 3206, 3208, 3237, L.R. Dag Nos.-507, 510, 511, 512, 513, 514, 518, 519, 521, 522, 523, 524, 527, 528, 529, 530, 531, 532 & 585, Ward No.-25, P.S.-Sonarpur, District-South 24 Parganas Under Rajpur Sonarpur Municipality.**

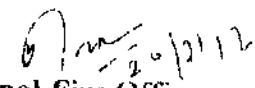
This is in reference to your Letter No. Nil, Dated.06.05.2017, regarding Revised Fire Safety Recommendation for Proposed Construction of 5 nos. Block (Block-1-5) G+VII Storied Instead of G+IV Storied & Under Construction of 4 Nos. Block (Block-6-9) G+IV Storied & Additional Proposed 2 Nos. Block (Block-10-11) G+IV Storied Under Group Residential Housing Complex at the Premises No - 1499, Dwarir Road, Mouza-Jagaddal, JL No.-71, L.R. Khatian Nos.-3204, 3206, 3208, 3237, L.R. Dag Nos. 507, 510, 511, 512, 513, 514, 518, 519, 521, 522, 523, 524, 527, 528, 529, 530, 531, 532 & 585, Ward No.-25, P.S.-Sonarpur, District-South 24 Parganas Under Rajpur Sonarpur Municipality.

The revised plan drawings submitted by you were scrutinized and marked as found necessary from fire safety point of view. In returning one set of plan drawing with recommendation, this office is issuing **Revised Fire Safety Recommendation** in favour of the aforesaid building.

The Fire Safety Recommendation is hereby issued in cancellation of earlier issued Fire Safety Recommendation vide this office Memo No.- WBSES/3583/15/ Kol-RBC/131/15(131/15) Dated 11.05.15. However, necessary sanction and approval for such construction and occupancy must be obtained from competent authorities.

Enclose:

1. One set of plan.
2. Recommendation.


Divisional Fire Officer
Fire Prevention Wing
West Bengal Fire & Emergency Services

RECOMMENDATION

A. CONSTRUCTION:

- ✓ 1. The whole construction of the proposed / existing building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body.
- ✓ 2. The interior finish decoration of the building shall be made low flame spread materials conforming to IS specifications.
- ✓ 3. Provision of ventilation at the crown of the Central core-duct of the building shall be provided
- ✓ 4. Arrangements shall have to make for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

B. OPEN SPACE & APPROCH:

- ✓ 1. The open space surrounding the building shall conform the relevant building rules as well as permit accessibility and maneuverability of Fire appliance with turning facility.
- ✓ 2. The approach roads shall be sufficiently strong to withstand the load of Fire Engine Weighting up to 4 M.T.
- ✓ 3. The width and height of the access gates into the premises shall not less than 4.5 - 5 M respecting about the road.

C. STAIRCASE:

- ✓ 1. The staircase of the building shall be enclosed type. Entire construction shall be made of bricks R.C.C type having Fire resisting capacity not less than 4 hours.
- ✓ 2. The Staircase of the building shall have permanent vents at the top and openable sashes at the each floor level in the external wall of the building.
- ✓ 3. The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules with up-to-date amendments.
- ✓ 4. The entire staircase shall be extended up to terrace of the building and shall be negotiable to each floor.
- ✓ 5. Fire and smoke doors at the entrances of all the staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least one hour Fire resisting wire mesh window type with self-closing type open able in the direction of escape.

D. LIFT:

- ✓ 1. The walls of the lift enclosure shall be at least two hours Fire Resisting type.
- ✓ 2. Collapsible gate shall not be permitted.
- ✓ 3. One of the lift in each block shall be designed for Fire Lift. The Word "FIRE LIFT" shall be conspicuously written at ground floor.

E. FIRE FIGHTING WATER:

Underground water reservoir having water capacity of 3,00,000 Ltrs. and overhead reservoir of each block 15,000 Lts. Capacity each exclusively for Firefighting purpose as shown with replenishing arrangements to 1000 lts./min preferably from two different sources of water supply shall be provided. The Water Reservoir shall have overflow arrangement with the domestic Water Reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full at all time.



F. HYDRANT SYSTEM:

The building shall be provided with Wet Riser of 100 mm internal diameter Pipe Line with provision of landing valves at the Staircase landings/half landings at the rate of one such riser for 1000 sq. m. F.F. area. The system shall be so designed that shall be kept charged with Water all the time under pressure and capable to discharge 2280 lts/min at the ground floor level outlet and minimum 900 lts/min at the top most outlet. In both cases the running pressure shall not be less than 3.5 Kgs/Sq. cm. All other requirements shall conforming I.S. 3844-1989.

2. Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level. Conforming to relevant I.S. Specifications.

3. Ring Main Hydrant with provision of two numbers Hydrant shall be installed surrounding the building in accordance with relevant I.S specification.

G. SPRINKLER INSTALLATION:

The automatic Sprinkler installation shall be provided in the Block - 1 Community Hall & Kitchen area of the building as per I.S. 9972. Alarm gang to be incorporated along with the sprinkler system.

H. FIRE PUMP:

Provision of the Fire Pump shall have to be made to supply water at the rate-designed pressure and discharge into the water based system, which shall be installed in the building. One such pump shall always be kept on Stand-by preferably be of diesel driven type.

Provision of Jockey Pump shall also have to be made to keep the water based system under pressure condition at all the time. All the pumps shall be incorporated with both manual and auto starting facilities.

The suction of pumps shall preferably of positive type or in case of negative suction the system shall be wet riser-cum-down comer with suitable terrace pump with overhead tank.

I. ELECTRICAL INSTALLATION & DISTRIBUTION:

✓ 1. The electrical installation including transformers, Switch Gears, Main & Meters etc. and the distribution system of the premises shall be made satisfying the code of practice for Fire Safety in general buildings laid down in I.S specification 1946-1982.

✓ 2. The vertical & horizontal electrical ducts shall be sealed at each floor level by fire resisting material.

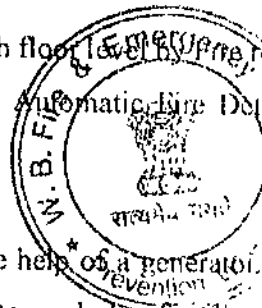
✓ 3. The electrical installation shall be adequately protected with Automatic Fire Detection & Suppression system as per relevant I.S. specification.

✓ 4. Alternate Power Supply:

Arrangements shall have to be made to supply power with the help of a generator to operate at least Fire Pump, Pump for deep Tube-well, Fire Alarm System, etc. and also for illuminating the staircases, corridors etc. and other places of assembly of the building in case of normal power failure.

J. DETECTION AND ALARM SYSTEM:

1. Manually operated Electrical Fire Alarm system with at least two numbers of break glass type call bell fitted with Hooters along with public address system, at each floor connecting with visual panel to be provided shall be made in Control Room. The Control Room shall be located at the entrance of Ground Floor of the building, other requirements of the system shall be made conforming I.S 2189-1988.



2. Auto fire detection system with the help of heat and smoke detector shall be installed in all places below and preferably above false ceiling of the building. The system shall also be made in places, rooms where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S 2189-1988.

3. The suppression system shall be made with Fire Extinguishers particularly in computer and electro-processing and data room and in a room of irreplaceable articles.

4. Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooter will be sounded on the same floor and immediate alternate floor.

K. FIRST AID FIRE FIGHTING SYSTEM:

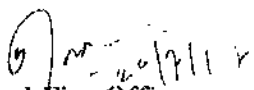
First Aid Fire fighting arrangement in the style of placing suitable type of portable Fire Extinguishers, Fire Buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190-1992.

L. GENERAL RECOMMENDATIONS:

1. Fire License shall have to be obtained for proposed storing and processing with L.P.G and other highly combustible articles.
 2. Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
 3. Floor numbers 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 to operate in the event of Fire and Testing.
 5. Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working condition at all times.
 6. Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
 7. Each year a certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the Life & Fire Safety arrangements and installation of the building.
- On compliance of all the above Fire and Life safety recommendations, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of 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.




Divisional Fire Officer
Fire Prevention Wing
West Bengal Fire & Emergency Services

T.R.FORM NO.-7

[See sub-rule (2) (b) of T.R.3.06]

Challan for Deposit of money in the account of GOVERNMENT OF WEST BENGAL.

1. Name of the Bank & Branch: R.B.I. - KOLKATA

2. (a). Name of the Treasury: P.A.O. - II

(b). Treasury Code:

C	A	C
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3. Account Code:

0	0	7	0	6	0	1	0	9	0	0	1	1	4
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(14- Digits must be filled up properly)

4. Detail Head of Account: 0070-Other Administrative Services-60-109-Fire Protection and Control 001
Fees under the West Bengal Fire & Emergency Services Act - 34-Service Fees

5. (a) Amount : Rs.

18,241/-

(b) In Words: Rupees: Eighteen Thousand Two Hundred & Forty One Only.

6. By Whom Tendered - Name & Address: The Authorized Signatory,
Mangalbela Real Estates Pvt. Ltd.
1499, Dwarir Road, Mouza-Jagaddal, J.L. No.-71,
Ward No.-25, P.S.-Sonarpur, District-South 24 Parganas

7. Name / Designation & Address of the Departmental Officer on whose behalf / favour money is paid.

Divisional Fire Officer, West Bengal Fire & Emergency Services
13-D, Mirza Ghalib Street, Kolkata - 700 016.

8. (a) Particulars & Authority of Deposit:

1 * (b) T.V. No. & Date of A.C. Bill:

9. Accounts Officer by whom adjustable:

Accountant General (A&E), West Bengal.

Verified

Signature of Departmental / Treasury Officer

Depositor's Signature *Pinku Das*

Date: 18.07.17.

Treasury Received Challan No.

Received payment

Received Challan in Original (T. R. No. 238/8307) Bank Scroll Serial No.

For Rs. 18,241/- as per demand No. 4822/17 Dt. 06.07.17

Receipt by Bank / Treasury

Date:

W. Roy 19/7/17
 Head Assistant (F. P. Wing)
 West Bengal Fire & Emergency Services

 भारतीय रिजर्व बैंक कोलकाता
 Reserve Bank of India Kolkata
 नगद प्राप्त हुआ
 CASH RECEIVED

18 JUL 2017

Rupees

Signature with seal of the Bank

T.R.FORM NO.-7

[See sub-rule (2) (b) of T.R.3.06]

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Divisional Fire Officer, West Bengal Fire & Emergency Services
13-D, Mirza Ghalib Street, Kolkata - 700 016.

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1 * (b) T.V. No. & Date of A.C. Bill:

9. Accounts Officer by whom adjustable:

Verified

Accountant General (A&E), West Bengal.

Signature of Departmental / Treasury Officer

Depositor's Signature *Pinhu Da.*

Date: 18.07.17

Treasury Received Challan No.

Received payment

Received Challan in Original (T.R. Form No. 7)
for Rs. 18,241/- as per demand No. *18241*
W.B. Fire & E. S. / 14822/17 Dt. 06.07.17

Receipt by Bank / Treasury

Date:

W. B. Fire & Emergency Services
Head Assistant (F. P. Wing)
19/7/17

238 / 8307
भारतीय रिजर्व बैंक कोलकाता
Reserve Bank of India Kolkata
नगद धन प्राप्त हुआ
CASH RECEIVED
18 JUL 2017
18241
रुपय Rupees.....
Signature with seal of the Bank

* In respect of Challan relating to refund of unspent amount of A.C. Bill