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**GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIVISIONAL FIRE OFFICER
WEST BENGAL FIRE & EMERGENCY SERVICES**

Memo No : IND/WB/FES/20192020/79575

DATE: 10/01/2020

From :

The Divisional Fire Officer
Fire Prevention Wing,
West Bengal Fire & Emergency Services.

To :

SRI INDRA KUMAR GUPTA
RESIDENTIAL CUM COMMERCIAL BUILDING OF SRI INDRA KUMAR GUPTA ON PLOT
NO.993,L.R.KH.NO.4150,J.L.NO.16,MOUZA-KULTI
Asansol F.S., Barakar PS,
Paschim Bardhaman - 713336 .

Sub :Fire Safety Recommendation for PROPOSED CONSTRUCTION OF B+G+4
STORIED BUILDING UNDER GROUP RESIDENTIAL CUM COMMERCIAL OF SRI
INDRA KUMAR GUPTA , ON PLOT NO.993,L.R.KH.NO.4150,J.L.NO.16,MOUZA -KULTI
,WARD NO-64,P.S KULTI ,KULTI NEW ROAD , PASCHIM BARDHAMAN UNDER
ASANSOL MUNICIPAL CORPORATION ,BOROUGH NO- 10,PIN-713336.

This is in reference to your Application No. IND/WB/FES/20192020/79575,dated 10/01/2020,
regarding the Fire Safety Measure for PROPOSED CONSTRUCTION OF B+G+4 STORIED
BUILDING UNDER GROUP RESIDENTIAL CUM COMMERCIAL OF SRI INDRA KUMAR
GUPTA , ON PLOT NO.993,L.R.KH.NO.4150,J.L.NO.16,MOUZA -KULTI ,WARD NO-
64,P.S KULTI ,KULTI NEW ROAD , PASCHIM BARDHAMAN UNDER ASANSOL
MUNICIPAL CORPORATION ,BOROUGH NO- 10,PIN-713336..

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 is issuing Fire Safety
Recommendation in favour of the aforesaid building subject to the compliance of the
following fire safety measure.

Recommendation:

INDRA KUMAR GUPTA
Gudra K. Gupta
Proprietor

1. This is in reference to your Application No. IND/WB/FES/20192020/79575 dated, 03-01-2020,

regarding the Fire Safety Recommendation for an Proposed construction of B+G+4 STORIED BUILDING UNDER GROUP RESIDENTIAL CUM COMMERCIAL OF SRI INDRA KUMAR GUPTA , ON PLOT NO.993,L.R.KH.NO.4150,J.L.NO.16,MOUZA -KULTI ,WARD NO-64,P.S KLTI ,KULTI NEW ROAD , PASCHIM BARDHAMAN UNDER ASANSOL MUNICIPAL CORPORATION ,BOROUGH NO- 10,PIN-713336.

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 favour of the aforesaid building subject to the compliance of the Following fire safety measures.

RECOMMENDATIONS

Enclose:

1. One set Plan
2. Recommendations

RECOMMENDATIONS

A.CONSTRUCTION :-

- 1) The whole construction of the proposed residential building shall be carried out as per Approved plan drawings confirming the relevant building Rules of Local Municipal Body.
- 2) The floor area exceeds 750m² shall be suitably compartments 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 Confirming I.S. specification.
- 4) Provision of ventilation at the crown of the central core duct of the building shall be provided.
- 5) Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate fire resisting capacity.

B.OPEN SPACE & APPROACH:

- 1)The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and manoeuvrability of Fire appliance with turning facility.
- 2)The approach roads shall be sufficiently strong to with stand the load of Fire Engine Weighting upto 20 M.T.
- 3) The width and height of the access gates into the premises shall not be less than 4.5 m and 5 M respectively abutting the road.

C.STAIR CASE:-

- 1) The Stair case 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) All the Stair cases shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.
- 3) The width of staircase shall be made as marked in the plan. Corridors and the exit doors shall confirming the relevant building rules and well as rules of the Cinematograph Act. With up to date amendments.
- 4) Fire and smoke doors at the entrances of the entire staircase 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 glass window fitted with self closing type open able in the direction of escape.

D.FIRE FIGHTING WATER:

1. Underground Water reservoir having water capacity of 30000ltrs and overhead reservoir of 10000 ltrs. Capacity exclusively for Fire Fighting purpose with replenishing arrangements @1000lts/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.

2. The building shall be provided with down comer of 1000mm internal diameter pipeline with provision of landing valves at the staircase landings/half landings at the rate of one such riser for 1000Sq m of all floor area. The System shall be so designed that shall be kept charged with water at the time under pressure and capable to discharge 1450 ltr/min at the ground floor level outlet and minimum 900lts/min at the top most outlet. In both cases the running pressure shall not be less than 3.5 kgs/Cms. All other requirements shall conform I.S 3844-1989

3. Provision of Hose Reel in conjunction with down comer shall be made at each floor level conforming to I.S specification Provision for down comer shall be made at each floor level. Conforming to relevant IS Specification.

E. FIRE PUMP :

1. One main fire pump and one standby pump, of capacity minimum 1850 LPM and head of the pump will be such that 3.5kg/cm² pressure is available at the furthest/highest landing valves to be installed ,Auto start facility should be incorporated in fire pump ,Accordingly Jockey pump of capacity 180LPM shall also be installed ,confirming to the norms of National Building Code part IV –Fire and life safety

F. ELECTRICAL INSTALLATION & DISTRIBUTION:-

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

2. The electrical installation shall be adequately protected with Co₂ /D.C.P. or Medium Velocity/Projector system.

3. Alternate Power Supply:-

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

4. The vertical ducts shall be supply sealed at alternative 1946-1982.

G. DETECTION, ALARM AND SUPPRESSION SYSTEM:-

1) Manually operated Electrical Fire Alarm system with at least three numbers of break glass type call boxes fitted with hooters along with public address system, talk back system at each floor connecting with audio visual panel board 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 confirming IS 2189-1988.

2) Hooters will be sounded in such manners so that an operation of a Detector or Manual call points will be sounded on the same floor and immediate floor.

H. PUBLIC ADDRESS SYSTEM:-

1) Public Address System linked between all the floors and control rooms shall have to be established.

I. AIR CONDITIONING SYSTEM:-

1) The A.H.U shall be separated for each floor with the system Air Ducts for individual floors.

2) Arrangements shall be made isolation at the strategic locations by incorporating auto dampers in the Air Conditioning system.

3) The system of auto shut down of A.H.U incorporated with the auto detection and alarm system.

4) The air handling units rooms shall not be used for storage of any combustible materials.

J. FIRST AID FIRE FIGHTING:

1) First aid fire fighting arrangements in the style of Placing suitable type of fire extinguishers, fire buckets etc in all floors and vulnerable locations of the premises shall be made in accordance with I.S 2190-1992.

K. BASEMENT:

- 1) The basement shall be adequately ventilated.
- 2) Basement shall not be used for other purpose except car parking otherwise it should be kept closed completely.
- 3) The basement shall be protected Auto Sprinkler System, Hydrant System and Hose Reel System as per requirement.
- 4) Additional staircase from the open air as shown in the drawing shall be constructed beside the ramps conforming relevant I.S. specification.
- 5) Mechanical extractor for smoke venting system from lower/upper basement levels shall also be provided. The system shall be of such design as to operate on actuation of heat/smoke sensitive detector or sprinkling. It shall also have an arrangement to start it manually.
- 6) Mechanical extractors shall have an alternative source of supply.

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 conditions at all times.

6) A crew of trained fireman under and experienced officer shall be maintained round the clock for safety of the building.

7) Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.

8) On compliance of all the above fire & life safety recommendation, the Director General, West Bengal Fire & Emergency Services shall be approach for necessary inspection & testing of the installations, fire safety certificates in favour of the occupancies shall be issued on being satisfied with the test & performance of the safety aspects of installation of the building. Any Deviation & change of the nature of use of the building in respect of the approved plan drawing with obtaining prior permission for this office .This fire & life safety recommendation will be treated as cancelled.

Divisional Fire Officer

West Bengal Fire & Emergency Services

INDRA KUMAR GUPTA
Indra K. Gupta
Proprietor

Signature Not Verified
Digitally signed by NITAI
CHATTOPADHYAY
Date: 2020.01.10 11:42:47 IST